UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 10-Q

(Mark One)

[X] QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d)
OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended December 31, 2001

or

[] TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d)
OF THE SECURITIES EXCHANGE ACT OF 1934

Commission File Number: 0-26824

TEGAL CORPORATION

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or other jurisdiction of incorporation or organization)

68-0370244

(I.R.S. Employer Identification No.)

2201 South McDowell Blvd.
Petaluma, California 94954
(Address of Principal Executive Offices)

Telephone Number (707) 763-5600 (Registrant's Telephone Number, Including Area Code)

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file reports) and (2) has been subject to such filing requirements for the past 90 days. Yes [X] No []

As of December 31, 2001, there were 14,310,938 shares of our common stock outstanding.

TABLE OF CONTENTS

PART I — FINANCIAL INFORMATION

<u>Item 1. Condensed Consolidated Financial Statements</u>

CONDENSED CONSOLIDATED BALANCE SHEETS

CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS

CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Item 3. Quantitative and Qualitative Disclosures About Market Risk

PART II — OTHER INFORMATION

Item 1. Legal Proceedings

Item 2. Changes in Securities and Use of Proceeds

Item 4. Submission of Matters to a Vote of Security Holders

Item 5. Risk Factors

Item 6. Exhibits and Reports on Form 8-K

SIGNATURES

EXHIBIT INDEX

Form of Unit Purchase Agreement

Form of Warrant

3rd Amended and Restated 1998 Equity Participation

Stock Option Plan for Outside Directors

TEGAL CORPORATION AND SUBSIDIARIES

INDEX

		Page
	PART I. FINANCIAL INFORMATION	
ITEM 1.	CONDENSED CONSOLIDATED FINANCIAL STATEMENTS	
	Condensed Consolidated Balance Sheets, as of December 31, 2001 and March 31, 2001	3
	Condensed Consolidated Statements of Operations — for the three and nine months ended December 31, 2001	4
	Condensed Consolidated Statements of Cash Flows — for the nine months ended December 31, 2001 and 2000	5
	Notes to Condensed Consolidated Financial Statements	6
ITEM 2.	MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS	9
ITEM 3.	QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK	11
	PART II. OTHER INFORMATION	
ITEM 1.	LEGAL PROCEEDINGS	12
ITEM 2.	CHANGES IN SECURITIES AND USE OF PROCEEDS	12
ITEM 5.	RISK FACTORS	12
ITEM 6.	EXHIBITS AND REPORTS ON FORM 8-K	16
SIGNATURES		17
	2	

PART I — FINANCIAL INFORMATION

Item 1. Condensed Consolidated Financial Statements

TEGAL CORPORATION AND SUBSIDIARIES CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) (In thousands)

	December 31, 2001	March 31, 2001
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 8,314	\$ 12,649
Receivables, net	4,311	7,967
Inventories	17,320	17,759
Prepaid expenses and other current assets	3,628	1,775
Total current assets	33,573	40,150
Property and equipment, net	1,572	1,772
Other assets	157	330
Total assets	\$ 35,302	\$ 42,252
LIABILITIES AND STOCKH	OLDERS' EQUITY	
Current liabilities:		
Payable under lines of credit	\$ 1,416	\$ 3,840
Accounts payable	1,256	4,139
Product Warranty	1,370	1,713
Accrued expenses and other current liabilities	3,465	3,094
Deferred revenue	4,275	813
Total current liabilities	11,782	13,599
Long-term portion of capital lease obligation	10	44
Total liabilities	11,792	13,643
Stockholders' equity:		
Common stock	143	126
Additional paid-in capital	67,376	65,087
Accumulated other comprehensive income	450	350
Accumulated deficit	(44,459)	(36,954)
Total stockholders' equity	23,510	28,609
	\$ 35,302	\$ 42,252

See accompanying notes.

TEGAL CORPORATION AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited)

(In thousands, except per share data)

	Three Months Ended December 31,		Nine Months Ended December 31,	
	2001	2000	2001	2000
Revenue:				
Product	\$ 1,869	\$11,147	\$13,167	\$29,983
Services	500	576	1,470	1,987
Total revenue	2,369	11,723	14,637	31,970
Cost of sales:				
Cost of product	1,012	6,405	7,744	16,303
Cost of services	391	996	2,161	3,035
Total cost of sales	1,403	7,401	9,905	19,338
Gross profit	966	4,322	4,732	12,632
Operating expenses:				
Research and development	1,270	1,925	4,694	6,706
Sales and marketing	797	1,346	3,175	3,891
General and administrative	1,159	1,702	3,873	5,468
Total operating expenses	3,226	4,973	11,742	16,065
Operating loss	(2,260)	(651)	(7,010)	(3,433)
Other income (expense), net	(282)	8,227	(495)	8,330
Net income (loss) before cumulative effect of change in accounting				
principle	(2,542)	7,576	(7,505)	4,897
Cumulative effect of change in accounting principle, net of tax of \$0	0	0	0	(372)
Net income (loss)	\$ (2,542)	\$ 7,576	\$ (7,505)	\$ 4,525
(11)	, (),			, ,,
Net income (loss) per share before cumulative effect of change in				
accounting principle, basic	\$ (0.20)	\$ 0.61	\$ (0.60)	\$ 0.39
Cumulative effect of change in accounting principle	0	0	0	(.03)
Net income (loss) per share, basic	\$ (0.20)	\$ 0.61	\$ (0.60)	\$ 0.36
N. (' (1)				
Net income (loss) per share before cumulative effect of change in	e (0.20)	0.00	e (0.60)	¢ 0.20
accounting principle, diluted Cumulative effect of change in accounting principle	\$ (0.20)	\$ 0.60	\$ (0.60)	\$ 0.38
Cumulative effect of change in accounting principle	0	0	0	(.03)
Net income (loss) per share, diluted	\$ (0.20)	\$ 0.60	\$ (0.60)	\$ 0.35
Shares used in per share computation:	10 (00	10.404	10 (04	10 101
Basic	12,620	12,494	12,604	12,481
Diluted	12,620	12,669	12,604	12,863

See accompanying notes.

TEGAL CORPORATION AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) (In thousands)

Nine Months Ended December 31,

	December 31,	
	2001	2000
Cash flows from operating activities:		
Net income (loss)	\$ (7,505)	\$ 4,525
Adjustments to reconcile net income (loss) to cash provided by (used in) operating activities:		
Depreciation and amortization	681	1,035
Allowance for doubtful accounts and sales return allowances	76	(272)
Changes in operating assets and liabilities:		` ,
Receivables	3,840	(3,055)
Inventories	471	(957)
Prepaid expenses and other assets	(1,801)	(594)
Accounts payable	(2,883)	180
Accrued expenses and other liabilities	83	1,097
Deferred revenue	3,462	221
Net cash provided by (used in) operating activities	(3,576)	2,180
Cash flows used in investing activities — purchases of property and equipment	(481)	(705)
Cash flows from financing activities:		
Proceeds from issuance of common stock under employee stock plans		
	97	184
Net proceeds from issuance of units of common stock and warrants	2,209	_
Borrowings under lines of credit	20,095	32,907
Repayment of borrowings under lines of credit	(22,512)	(29,295)
Repayment of capital lease financing	(52)	(84)
Net cash provided by (used in) financing activities	(163)	3,712
Effect of exchange rates on cash and cash equivalents	(115)	(199)
	(4.225)	4.000
Net decrease in cash and cash equivalents	(4,335)	4,988
Cash and cash equivalents at beginning of period	12,649	12,627
Cash and cash equivalents at end of period	\$ 8,314	\$ 17,615

See accompanying notes.

TEGAL CORPORATION AND SUBSIDIARIES NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Unaudited)

(All amounts in thousands, except share data)

1. Basis of Presentation:

In the opinion of management, the unaudited condensed consolidated interim financial statements have been prepared on the same basis as the March 31, 2001 audited consolidated financial statements and include all adjustments, consisting only of normal recurring adjustments, necessary to fairly state the information set forth herein. The statements have been prepared in accordance with the regulations of the Securities and Exchange Commission (the "SEC"), but omit certain information and footnote disclosures necessary to present the statements in accordance with generally accepted accounting principles. These interim financial statements should be read in conjunction with the consolidated financial statements and footnotes included in the Annual Report on Form 10-K of Tegal Corporation (the "Company") for the fiscal year ended March 31, 2001. The results of operations for the three and nine months ended December 31, 2001 are not necessarily indicative of results to be expected for the entire year.

The results for the nine months ended December 31, 2000 have been adjusted to reflect the adoption of Staff Accounting Bulletin No. 101, "Revenue Recognition in Financial Statements" ("SAB 101").

The semiconductor equipment industry and the Company's business have experienced a sharp decline in orders and revenues. As a result, the Company's existing cash balances and anticipated cash flows from operations may not satisfy financing requirements for the next twelve months if the downturn continues. The Company raised \$2.2 million from the private placement of units of common stock and warrants in December 2001 and may seek to raise additional financing which would result in additional dilution to the Company's stockholders.

2. Inventories:

Inventories consisted of:

	December 31, 2001	March 31, 2001
Raw materials	\$ 5,365	\$ 4,810
Work in progress	2,693	4,369
Finished goods and spares	9,261	8,580
	\$ 17,320	\$17,759

3. Net Loss Per Common Share:

Basic Earnings Per Share (EPS) is calculated by dividing net profit (loss) for the period by the weighted average common shares outstanding for that period. Diluted EPS takes into account the number of additional common shares that would have been outstanding if the dilutive potential common shares ("common stock equivalents") had been issued.

Common stock equivalents for the three and nine months ended December 31, 2001 were 36,214 and 115,716 respectively, and have been excluded from shares used in calculating diluted loss per share because their effect would be antidilutive.

Common stock equivalents for the three and nine months ended December 31, 2000 were 174,102 and 381,497 respectively, and have been included in the calculation of diluted income per share.

4. New Accounting Pronouncements:

In June 1998, the Financial Accounting Standards Board (the "FASB") issued Statement of Financial Accounting Standards ("SFAS") No. 133, "Accounting for Derivative Instruments and Hedging Activities" ("SFAS 133"). SFAS 133 establishes a new model for accounting for derivatives and hedging activities and supersedes and amends a number of existing accounting standards. SFAS 133 requires that all derivatives be recognized in the balance sheet at their fair market value, with the corresponding derivative gains or losses either reported in the statement of operations or as a deferred item in other comprehensive income (loss) depending on

the type of hedge relationship that exists with respect to such derivatives. The Company adopted SFAS 133 during the fiscal quarter ended June 30, 2001, and such adoption did not have a material effect on its consolidated financial statements.

In July 2001, the FASB issued SFAS 141, "Business Combinations" and SFAS 142, "Goodwill and Other Intangible Assets." SFAS 141 requires business combinations initiated after June 30, 2001 to be accounted for using the purchase method of accounting, and clarifies the criteria for recording intangible assets separate from goodwill. SFAS 142 requires the use of a non-amortization approach to account for purchased goodwill and certain intangibles. Under a non-amortization approach, goodwill and certain intangibles are not amortized, but instead are reviewed annually for impairment and written down via a charge to results of operations in any periods in which the recorded value of goodwill and certain intangibles is more than their fair value. SFAS 142 is effective January 1, 2002.

In October 2001, the FASB issued SFAS No. 144 ("SFAS 144"), "Accounting for the Impairment or Disposal of Long-Lived Assets". SFAS 144 supersedes SFAS 121, "Accounting for the Impairment of Long-Lived Assets and for Long-Lived Assets to Be Disposed Of" and applies to all long-lived assets (including discontinued operations) and consequently amends Accounting Principles Board Opinion No. 30 ("APB 30"), "Reporting Results of Operations-Reporting the Effects of Disposal of a Segment of a Business." SFAS 144 develops one accounting model (based on the model in SFAS 121) for long-lived assets that are to be disposed of by sale, as well as addresses the principal implementation issues. SFAS 144 requires that long-lived assets that are to be disposed of by sale be measured at the lower of book value or fair value less cost to sell. That requirement eliminates APB 30's requirement that discontinued operations be measured at net realizable value or that entities include under "discontinued operations amounts for operating losses that have not yet occurred. Additionally, SFAS 144 expands the scope of discontinued operations to include all components of an entity with operations that (1) can be distinguished from the rest of the entity and (2) will be eliminated from the ongoing operations of the entity in a disposal transaction. SFAS 144 is effective for financial statements issued for fiscal years beginning after December 15, 2001.

The Company does not expect that the adoption of these accounting standards will have a significant impact on its consolidated financial position, results of operations or cash flows.

5. Lines of Credit:

At December 31, 2001, the Company had approximately \$1.1 million outstanding under its domestic line of credit, which is secured by substantially all of the Company's domestic assets and which is further limited by the amounts of accounts receivable and inventories on the balance sheet. Given our accounts receivable and inventory balances as of December 31, 2001, we had fully utilized or available borrowings under that credit line as of that date. The facility has a maximum borrowing capacity of \$10.0 million, is available until December 31, 2002, and bears interest at prime plus 2.0 percent, or 8.0 percent, as of December 31, 2001. Among other provisions, this credit facility requires the maintenance of certain financial covenants. As of December 31, 2001, the Company was in compliance with all financial covenants. In addition to the domestic facility, as of December 31, 2001, the Company's Japanese subsidiary had approximately \$0.3 million outstanding under its two bank lines of credit which are secured by Japanese customer promissory notes held by such subsidiary in advance of payment on customers' accounts receivable. The two Japanese bank lines bear interest at Japanese prime (1.375 percent as of December 31, 2001) plus 0.25 percent and 0.625 percent, respectively and have a renewal date of September 30, 2002.

6. Comprehensive Income (Loss):

The components of comprehensive income (loss) for the three and nine month periods ended December 31, 2001 and 2000 are as follows:

	Ended December 31,		Ended December 31,	
	2001	2000	2001	2000
Net income (loss) Foreign currency translation adjustment	\$(2,542) (28)	\$7,576 120	\$(7,505) 100	\$4,525 76
	\$(2,570)	\$7,696	\$(7,405)	\$4,601

Three Months

Nine Months

7. Restructuring:

During the three month period ended September 30, 2001, the Company recorded a change of approximately \$600,000 related to staff reductions of 55 employees, of which approximately \$86,000 was classified as cost of sales, \$231,000 as research and development, \$263,000 as sales and marketing, and \$20,000 as general and administrative expenses. All amounts were paid to the terminated employees as of September 30, 2001.

8. Sale of Units of Common Stock and Warrants:

On December 31, 2001, the Company closed a private placement in which it sold to accredited investors 1,661,005 units, each unit consisting of one share of common stock and one warrant to purchase one-half of a share of common stock, for proceeds of \$2.2 million, net of \$0.1 million in cash stock issuance costs. The Company also granted to the placement agent warrants to purchase 83,050 shares of the Company's common stock. The warrants have an exercise price of \$2.50 per share and expire on December 31, 2006.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Information herein contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, which can be identified by the use of forward-looking terminology such as "may," "will," "expect," "anticipate," "estimate," or "continue" or the negative thereof or other variations thereon or comparable terminology or which constitute projected financial information. The forward-looking statements relate to the near-term semiconductor capital equipment industry outlook, demand for our products, our quarterly revenue and earnings prospects for the near-term future and other matters contained herein. Such statements are based on current expectations and beliefs and involve a number of uncertainties and risks that could cause the actual results to differ materially from those projected. Such uncertainties and risks include, but are not limited to, the cyclicality of the semiconductor industry, impediments to customer acceptance, fluctuations in quarterly operating results, competitive pricing pressures, the introduction of competitor products having technological and/or pricing advantages, product volume and mix and other risks detailed from time to time in our SEC reports. For further information, refer to the business description and risk factors sections included in our Annual Report on Form 10-K for the fiscal year ended March 31, 2001 and the risk factors section included in this Form 10-Q (Part II, Item 5) as filed with the SEC.

Results of Operations

Tegal designs, manufactures, markets and services plasma etch systems used in the fabrication of integrated circuits, read-write heads for the disk drive industry, printer heads, telecommunications equipment and small flat panel displays.

The following table sets forth certain financial items as a percentage of revenue for the three and nine-month periods ended December 31, 2001 and 2000:

	Three Months Ended December 31,		Nine Months Ended December 31,	
	2001	2000	2001	2000
Revenue:				
Product revenue	78.9%	95.1%	90.0%	93.8%
Services revenue	21.1	4.9	10.0	6.2
Total revenue	100.0	100.0	100.0	100.0
Cost of sales:	100.0	100.0	100.0	100.0
Cost of product	42.7	54.6	52.9	51.0
Cost of services	16.5	8.5	14.8	9.5
Total cost of sales	59.2	63.1	67.7	60.5
Gross profit	40.8	36.9	32.3	39.5
Operating expenses:				
Research and development	53.7	16.5	32.0	21.0
Sales and marketing	33.6	11.5	21.7	12.2
General and administrative	48.9	14.5	26.5	17.0
Total operating expenses	136.2	42.5	80.2	50.2
Operating loss	(95.4)	(5.6)	(47.9)	(10.7)
Other income (expense), net	(11.9)	70.2	(3.4)	26.1
Net income (loss) before cumulative effect of change in accounting principle	(107.3)	64.6	(51.3)	15.4
Cumulative effect of change in accounting principle net of tax of \$0	0	0	0	(1.2)
Net income (loss)	(107.3)	64.6	(51.3)	14.2
,				

Product revenue. Revenue for the three and nine months ended December 31, 2001 was \$1.9 million and \$13.2 million, respectively, a decrease of \$9.3 million and \$16.8 million, respectively, over the comparable periods in 2000. The decrease for the three months ended December 31, 2001 was principally due to the sale of 19 fewer 900 series systems and the sale of no 6500 series systems as compared to the sale of two 6500 series systems for the same period in the prior year. The decrease for the nine months ended December 31, 2001 was principally due to the sale of 49 fewer 900 series systems sold and one less 6500 series system compared to the same period in the prior year. As of December 31, 2001 and 2000 our backlog was \$2.6 million and \$2.8 million, respectively. The decline in sales is due to the semiconductor industry downturn.

Revenue from services, for the three months ended December 31, 2001 and December 31, 2000 were \$0.6 and \$0.5 million, respectively. For the nine months ended December 31, 2001 service related revenue was \$1.5 million, down from \$2.0 million for the nine month period ended December 31, 2000, which is a result of customers' decreased utilization of Tegal's etch systems during the current industry downturn.

International sales as a percentage of the Company's revenue were approximately 47.1% and 66.7% for the three months and 58.5% and 59.2% for the nine months ended December 31, 2001 and 2000, respectively. We believe that international sales will continue to represent a significant portion of our revenue.

Gross profit. Gross profit as a percentage of revenue was 40.8% and 36.9% for the three months ended December 31, 2001 and 2000, respectively. The increase in gross profit reflects the benefit of our cost containment measures taken during the second quarter of this fiscal year. Gross profit as a percentage of revenue was 32.3% and 39.5% for the nine months ended December 31, 2001 and 2000, respectively. The decrease in gross profit for the nine months ended December 31, 2001 compared to the same period in the prior year was principally attributable to lower volumes offset in part by reduced manufacturing expenses.

Research and development. Research and development expenses consist primarily of salaries, prototype material and other costs associated with our ongoing systems and process technology development, applications and field process support efforts. Research and development expenses were \$1.3 million and \$1.9 million for the three months and \$4.7 million and \$6.7 million for the nine months ended December 31, 2001 and 2000, respectively, representing 53.7% and 16.5% of revenue for the three months and 32% and 21% of revenue for the nine months ended December 31, 2001 and 2000, respectively. The decrease in absolute research and development spending is primarily due to the completion and implementation of specific projects.

Sales and marketing. Sales and marketing expenses consist primarily of salaries, commissions, trade show promotion and travel and living expenses associated with those functions. Sales and marketing expenses were \$0.8 million and \$1.3 million for the three months and \$3.2 million and \$3.9 million for the nine months ended December 31, 2001 and 2000, respectively, representing 33.6% and 11.5% of revenue for the three months and 21.7% and 12.2% of revenue for the nine months ended December 31, 2001 and 2000, respectively.

General and administrative. General and administrative expenses consist primarily of compensation for general management, accounting and finance, human resources, information systems and investor relations functions and for legal, consulting and accounting fees of the Company. General and administrative expenses were \$1.2 million and \$1.7 million for the three months and \$3.9 and \$5.5 million for the nine months ended December 31, 2001 and 2000, respectively, representing 48.9% and 14.5% of revenue for the three months and 26.5% and 17% of revenue for the nine months ended December 31, 2001 and 2000, respectively. The decrease in absolute general and administrative spending for the three and nine-month periods ended December 31, 2001, compared to the same periods in the prior year, was primarily attributable to reduced expenses in connection with our patent litigation and cost reduction measures.

Other income (expense), net. For the three and nine months ended December 31, 2001, other income (expense), net consists primarily of interest expense on the lines of credit offset in part by interest income on outstanding cash balances, and gains and losses on foreign exchange. For the three and nine months ended December 31, 2000 other income (expense) consisted primarily of licensing fees received for non exclusive patent rights.

Cumulative effect of change in accounting principle. During the fourth quarter of fiscal 2001, we implemented the provisions of Staff Accounting Bulletin No. 101, "Revenue Recognition in Financial Statements," retroactive to the beginning of the fiscal year. The cumulative effect of the change in accounting principle on prior years of \$372,000 was reported in the fiscal quarter ended June 30, 2000.

Liquidity and Capital Resources

For the nine-month periods ended December 31, 2001 and 2000, we financed our operations through the use of outstanding cash balances and borrowings against our promissory note borrowing facilities in Japan, as well as our domestic line of credit.

Net cash used in operations was \$3.6 million during the nine months ended December 31, 2001, due principally to a net loss of \$6.8 million after adjusting for depreciation, and a decrease in accounts receivable and inventories and an increase in deferred revenue offset, in part, by an increase in prepaid expenses and other assets and a decrease in accounts payable. Net cash provided by operations

was \$2.2 million during the nine months ended December 31, 2000, due principally to a net income of \$5.6 million after adjusting for depreciation, offset in part by an increase in inventories, accounts receivable and prepaid expenses and other assets.

Capital expenditures totaled approximately \$0.5 million for the nine months ended December 31, 2001 and \$0.7 million for the nine months ended December 31, 2000. Capital expenditures in both periods were incurred principally for leasehold improvements and to acquire design tools, analytical equipment and computers.

Net cash used in financing activities totaled \$0.2 million for the nine months ended December 31, 2001. The cash used for the nine months ended December 31, 2001 was due principally to the repayment of borrowings on the domestic line of credit, offset by proceeds of \$2.2 million from our private placement of common stock and warrants. Net cash provided by financing activities totaled \$3.7 million for the nine months ended December 31, 2000, due principally to increased borrowing under our domestic line of credit.

As of December 31, 2001, we had approximately \$8.3 million of cash and cash equivalents. In addition to cash and cash equivalents, our other principal sources of liquidity consist of the unused portions of several bank-borrowing facilities. At December 31, 2001, we had approximately \$1.1 million outstanding under our domestic line of credit, which is secured by substantially all of the Company's assets and which is further limited by the amounts of accounts receivable and inventories on the balance sheet. Given our accounts receivable and inventory balances as of December 31, 2001, we had fully utilized our available borrowings under that credit line as of that date. The facility has a maximum borrowing capacity of \$10.0 million, is available until December 31, 2002 and bears interest at prime plus 2.0 percent, or 8.0 percent, as of December 31, 2001. Among other provisions, this credit facility requires the maintenance of certain financial covenants. As of December 31, 2001, the Company was in compliance with all financial covenants. In addition to the domestic facility, as of December 31, 2001, the Company's Japanese subsidiary had approximately \$0.3 million outstanding under its two bank lines of credit which are secured by Japanese customer promissory notes held by such subsidiary in advance of payment on customers' accounts receivable. The two Japanese bank lines bear interest at Japanese prime (1.375 percent as of December 31, 2001) plus 0.25 percent and 0.625 percent, respectively.

In response to the rapid and significant industry slow-down, we have initiated substantial cost containment programs and a corporate-wide restructuring to preserve our cash position. Our projected annual cost savings from these initiatives are estimated at approximately \$8.0 million, offset in part by severance package payouts of approximately \$0.6 million in the fiscal quarter ended September 30, 2001. We also sold shares of common stock for net proceeds of \$2.2 million in December 2001. However, despite these cost reduction efforts and additional financing, if the downturn continues our existing capital resources may not be sufficient to meet our operating needs for the next twelve months. We may seek to raise additional financing which would result in additional dilution to the Company's stockholders.

For more information on our capital resources, see "Risk Factors" in Part II, Item 5.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

Our cash equivalents are principally comprised of money market accounts. These accounts are subject to interest rate risk and may fall in value if market interest rates increase. We attempt to limit this exposure by investing primarily in short-term securities having a maturity of three months or less.

We have foreign subsidiaries which operate and sell our products in various global markets. As a result, our cash flow and earnings are exposed to fluctuations in interest and foreign currency exchange rates. We attempt to limit these exposures through the use of various hedge instruments, primarily forward exchange contracts and currency option contracts (with maturities of less than three months) to manage our exposure associated with firm commitments and net asset and liability positions denominated in non-functional currencies. There have been no material changes regarding market risk since the disclosures made in our Form 10-K for the fiscal year ended March 31, 2001.

PART II — OTHER INFORMATION

Item 1. Legal Proceedings

On March 17, 1998, the Company filed suit (the "TEA case") in the United States District Court in the Eastern District of Virginia against Tokyo Electron America, Inc. and several of its affiliated companies alleging that TEL's 65DI and 85DI IEM etch equipment infringe certain of its patents. The TEA case was tried to the District Court in May 1999, and on August 31, 1999, the court found both patents-in-suit valid, and found that TEA had willfully infringed Tegal's '223 dual-frequency triode etcher patent. The District Court enjoined TEA from further sales or service of its IEM etchers. In addition, the District Court ordered TEA to pay attorney's fees and court costs to Tegal. On appeal, the Federal Circuit affirmed the District Court's findings of infringement and the interpretations of the '223 patent on which those findings were made, but reversed certain findings relating to TEA's defense of anticipation. As a result, the Federal Circuit vacated the judgment and the injunction and remanded the case for further consideration of the anticipation defense. Both TEA and Tegal have filed petitions for certiorari to the United States Supreme Court seeking review of the Federal Circuit's decision. All further proceedings before the District Court have been stayed until the proceedings in the Supreme Court have concluded. In a separate action against Tokyo Electron Limited (the "TEL case") concerning a later generation of etchers known as the Advanced IEM or AIEM, the District Court granted summary judgment of noninfringment for TEL on August 7, 2000 and entered judgment for TEL on September 11, 2000. On February 1, 2002, the Federal Circuit affirmed the District Court's decision on summary judgment that the AIEM does not infringe the '223. Tegal is currently reviewing the implications of the Federal Circuit's decision and weighing options for rehearing or further appeal. At this stage, the Company cannot assure you of the outcome of either of the TEA case or the TEL case or of the effect of any such outcome on our business.

On September 1, 1999, the Company filed a patent infringement action against Lam Research Corporation (the "Lam" case), asserting infringement of the '223 patent and a second, related patent known as the '618. That suit was also filed in the Eastern District of Virginia, Richmond Division. In it the Company seeks injunctive relief barring Lam from manufacturing, selling and supporting products that incorporate the Company's patented technology. The Company is further seeking enhanced damages for willful infringement of its patents. The specific accused products are Lam's Exalan and 4520xl lines of etchers. Lam filed a motion to dismiss this action for lack of jurisdiction, or in the alternative to transfer the action to the Northern District of California. The motion to transfer was granted. The case is currently pending in the Northern District of California. Although discovery is ongoing in the action, the District Court has deferred setting a schedule for the Markman hearing to interpret the patents in issue or the trial pending final appellate decisions in the TEA and TEL cases. The Federal Circuit's February 1, 2002 ruling may be binding on Tegal in the Lam case to the extent the same issue is presented there, unless the decision is revised or reversed on rehearing or further appeal. At this stage, we cannot assure you of the outcome of the Lam case or of the effect of any such outcome on our business.

Item 2. Changes in Securities and Use of Proceeds

On December 31, 2001, the Company closed a private placement in which it sold to accredited investors 1,661,005 units at a purchase price of \$1.40 per unit. Each unit consisted of one share of common stock and one warrant to purchase one half of a share of common stock, for gross proceeds of \$2.3 million. The warrants have an exercise price of \$2.50 per share and expire December 31, 2006. In connection with the private placement, the Company also issued to our placement agent warrants to purchase 83,050 shares of common stock. The sale and issuance of these securities was exempt from registration under the Securities Act pursuant to Section 4(2) thereof, on the basis that the transaction did not involve a public offering. The Company intends to use the net proceeds from these securities for general corporate purposes.

Item 4. Submission of Matters to a Vote of Security Holders

No matters were submitted to a vote of security holders during the three month period ended December 31, 2001.

Item 5. Risk Factors

The semiconductor industry is cyclical and may experience periodic downturns which may negatively affect customer demand for our products and result in losses such as those experienced in the past.

Our business depends upon the capital expenditures of semiconductor manufacturers, which in turn depend on the current and anticipated market demand for integrated circuits. The semiconductor industry is highly cyclical and historically has experienced periodic downturns, which often have had a material adverse effect on the semiconductor industry's demand for semiconductor capital

equipment, including etch systems manufactured by us. In response to the current significant industry slow-down, we have initiated a substantial cost containment program and a corporate-wide restructuring to preserve our cash. However, the need for continued investment in research and development, possible capital equipment requirements, and extensive ongoing customer service and support requirements worldwide will continue to limit our ability to reduce expenses in response to the current downturn.

Our competitors have greater financial resources and greater name recognition than we do and therefore may compete more successfully in the critical etch industry than we can.

We believe that to be competitive, we will require significant financial resources in order to offer a broad range of systems, to maintain customer service and support centers worldwide and to invest in research and development. Many of our existing and potential competitors, including, among others, Applied Materials, Inc., Lam Research Corporation and Tokyo Electron Limited, have substantially greater financial resources, more extensive engineering, manufacturing, marketing and customer service and support capabilities, larger installed bases of current generation etch and other production equipment and broader process equipment offerings, as well as greater name recognition than we do. We cannot assure you that we will be able to compete successfully against these companies in the United States of America or worldwide.

Our future capital needs may exceed our ability to raise capital.

The development, manufacture and marketing of etch systems are highly capital intensive. In order to be competitive, we must continue to make significant expenditures for, among other things, capital equipment and the manufacture of evaluation and demonstration unit inventory for our 6500 series etch systems. Additionally, our industry is now experiencing a sharp decline in orders and revenues. As a result, our existing cash balances, anticipated cash flow from operations and funds available under our existing lines of credit may not satisfy our financing requirements for the next twelve months. In December 2001, we completed a private placement of our common stock and received gross proceeds of \$2.3 million. We are also seeking additional financing. However, there can be no assurance that additional financing, if required, will be available on reasonable terms or at all. To the extent that additional capital is raised through the sale of additional equity or convertible debt securities, the issuance of such securities could result in additional dilution to our stockholders.

We have recently issued a large number of shares of our common stock, and the sale of these shares could cause our stock price to decline.

We have recently issued a large number of shares of our common stock, and the sale of these shares could cause our stock price to decline. In December 2001, we issued an aggregate of approximately 1.66 million shares of our common stock and warrants to purchase approximately 830,000 additional shares on certain terms and conditions to investors in a private placement. In connection with the private placement, we also issued to our placement agent warrants to purchase 83,050 shares of our common stock. We are required to use reasonable efforts to file a registration statement under the Securities Act of 1933 covering the sale of all of the foregoing shares. We expect to file such registration statement in March 2002. If these stockholders sell substantial amounts of our common in the public market following this offering, the market price of our common stock could fall.

We depend on sales of our 6500 series systems in critical etch markets that may not fully adopt our product for production use.

We have designed our 6500 series systems for sub-0.35 micron critical etch applications in emerging films, polysilicon and metal which we believe to be the leading edge of critical etch applications. Revenues from the sale of 6500 series systems have accounted for 21% and 19% of total revenues in fiscal 2001 and 2000, respectively. Our 6500 series systems are currently being used primarily for research and development activities or low volume production. For the 6500 series systems to achieve full market adoption, our customers must utilize these systems for volume production. There can be no assurance that the market for critical etch emerging film, polysilicon or metal etch systems will develop as quickly or to the degree we expect.

If the 6500 series does not achieve significant sales or volume production due to a lack of full customer adoption, our business, financial condition, results of operations and cash flows would be materially adversely affected.

Our potential customers may not adopt our products because of their significant cost or because our potential customers are already using a competitor's tool.

A substantial investment is required to install and integrate capital equipment into a semiconductor production line. Additionally, we believe that once a device manufacturer has selected a particular vendor's capital equipment, that manufacturer generally relies upon that vendor's equipment for that specific production line application and, to the extent possible, subsequent generations of that vendor's systems. Accordingly, it may be extremely difficult to achieve significant sales to a particular customer once another vendor's capital equipment has been selected by that customer unless there are compelling reasons to do so, such as significant performance or cost advantages. Any failure to gain access and achieve sales to new customers will adversely affect the successful commercial adoption of our products and could have a material adverse effect on us.

Our quarterly operating results may continue to fluctuate.

Our revenue and operating results have fluctuated and are likely to continue to fluctuate significantly from quarter to quarter, and there can be no assurance as to future profitability.

Our 900 series etch systems typically sell for prices ranging between \$250,000 and \$600,000, while prices of our 6500 series critical etch systems typically range between \$1.8 million and \$3.0 million. To the extent we are successful in selling our 6500 series systems, the sale of a small number of these systems will probably account for a substantial portion of revenue in future quarters, and a transaction for a single system could have a substantial impact on revenue and gross margin for a given quarter.

The timing of new systems and technology announcements and releases by us and others may also contribute to fluctuations in quarterly operating results, including cases in which new systems or technology offerings cause customers to defer ordering systems from our existing product lines. Our revenue and operating results may also fluctuate due to the timing and mix of systems sold, the volume of service provided and spare parts delivered in a particular quarter and changes in pricing by us, our competitors or suppliers. Additionally, a substantial amount of income may be derived from patent license fees. Such fees are volatile and we cannot predict we will receive similar fees in the future. The impact of these and other factors on our revenue, operating results and cash flows in any future period is, and will continue to be, difficult for us to forecast.

Because technology changes rapidly, we may not be able to introduce our products in a timely enough fashion.

The semiconductor manufacturing industry is subject to rapid technological change and new system introductions and enhancements. We believe that our future success depends on our ability to continue to enhance our existing systems and their process capabilities, and to develop and manufacture in a timely manner new systems with improved process capabilities. We may incur substantial unanticipated costs to ensure product functionality and reliability early in our products' life cycles. There can be no assurance that we will be successful in the introduction and volume manufacture of new systems or that we will be able to develop and introduce, in a timely manner, new systems or enhancements to our existing systems and processes which satisfy customer needs or achieve market adoption.

Some of our sales cycles are lengthy, exposing us to the risks of inventory obsolescence and fluctuations in operating results.

Sales of our systems depend, in significant part, upon the decision of a prospective customer to add new manufacturing capacity or to expand existing manufacturing capacity, both of which typically involve a significant capital commitment. We often experience delays in finalizing system sales following initial system qualification while the customer evaluates and receives approvals for the purchase of our systems and completes a new or expanded facility. Due to these and other factors, our systems typically have a lengthy sales cycle (often 12 to 18 months in the case of critical etch 6500 systems) during which we may expend substantial funds and management effort. Lengthy sales cycles subject us to a number of significant risks, including inventory obsolescence and fluctuations in operating results over which we have little or no control.

We may not be able to protect our intellectual property or obtain licenses for third parties' intellectual property and therefore we may be exposed to liability for infringement or the risk that our operations may be adversely affected.

Although we attempt to protect our intellectual property rights through patents, copyrights, trade secrets and other measures, we may not be able to protect our technology adequately and competitors may be able to develop similar technology independently. Additionally, patent applications that we may file may not be issued and foreign intellectual property laws may not protect our intellectual property rights. There is also a risk that patents licensed by or issued to us will be challenged, invalidated or circumvented

and that the rights granted thereunder will not provide competitive advantages to us. Furthermore, others may independently develop similar systems, duplicate our systems or design around the patents licensed by or issued to us.

Existing litigation and any future litigation could result in substantial cost and diversion of effort by us, which by itself could have a material adverse effect on our financial condition, operating results and cash flows. Further, adverse determinations in such litigation could result in our loss of proprietary rights, subject us to significant liabilities to third parties, require us to seek licenses from third parties or prevent us from manufacturing or selling our systems. In addition, licenses under third parties' intellectual property rights may not be available on reasonable terms, if at all.

Our customers are concentrated and therefore the loss of a significant customer may harm our business.

Our top five customers accounted for 42.0%, 53.1% and 66.4% of our systems revenues in fiscal 2001, 2000 and 1999, respectively. Two customers accounted for more than 10% of net systems sales in fiscal 2001. Although the composition of the group comprising our largest customers may vary from year to year, the loss of a significant customer or any reduction in orders by any significant customer, including reductions due to market, economic or competitive conditions in the semiconductor manufacturing industry, may have a material adverse effect on our business, financial condition, results of operations and cash flows. Our ability to increase our sales in the future will depend, in part, upon our ability to obtain orders from new customers, as well as the financial condition and success of our existing customers and the general economy, which is largely beyond our ability to control.

We are exposed to additional risks associated with international sales and operations.

International sales accounted for 61%, 59% and 72% of total revenue for fiscal 2001, 2000 and 1999, respectively. International sales are subject to certain risks, including the imposition of government controls, fluctuations in the U.S. dollar (which could increase the sales price in local currencies of our systems in foreign markets), changes in export license and other regulatory requirements, tariffs and other market barriers, political and economic instability, potential hostilities, restrictions on the export or import of technology, difficulties in accounts receivable collection, difficulties in managing distributors or representatives, difficulties in staffing and managing international operations and potentially adverse tax consequences. There can be no assurance that any of these factors will not have a material adverse effect on our operations and financial results.

Sales of our systems in certain countries are billed in local currency, and we have two lines of credit denominated in Japanese Yen. We generally attempt to offset a portion of our U.S. dollar denominated balance sheet exposures subject to foreign exchange rate remeasurement by purchasing currency options and forward currency contracts for future delivery. There can be no assurance that our future results of operations and cash flows will not be adversely affected by foreign currency fluctuations. In addition, the laws of certain countries in which our products are sold may not provide our products and intellectual property rights with the same degree of protection as the laws of the United States of America.

Our stockholder rights plan may deter takeover attempts.

Under the terms of our stockholder rights plan, our board of directors is authorized to issue preferred stock without further stockholder approval or to exercise the anti-takeover provisions of our stockholder rights plan in the event of an unsolicited attempt to assume control over Tegal. Should our board of directors exercise such rights, such action could have the effect of delaying, deferring or preventing a change in control of Tegal.

Our stock price is volatile and could result in a material decline in the value of your investment in Tegal.

We believe that factors such as announcements of developments related to our business, fluctuations in our operating results, sales of our common stock into the marketplace, failure to meet or changes in analysts' expectations, general conditions in the semiconductor industry or the worldwide economy, announcements of technological innovations or new products or enhancements by us or our competitors, developments in patents or other intellectual property rights, developments in our relationships with our customers and suppliers, natural disasters and outbreaks of hostilities could cause the price of our common stock to fluctuate substantially. In addition, in recent years the stock market in general, and the market for shares of small capitalization stocks in particular, have experienced extreme price fluctuations, which have often been unrelated to the operating performance of affected companies. There can be no assurance that the market price of our common stock will not experience significant fluctuations in the future, including fluctuations that are unrelated to our performance.

Potential disruption of our supply of materials required to build our systems could have a negative effect on our operations and damage our customer relationships.

Materials delays have not been significant in recent years. Nevertheless, we procure certain components and sub-assemblies included in our systems from a limited group of suppliers, and occasionally from a single source supplier. For example, we depend on MECS Corporation, a robotic equipment supplier, as the sole source for the robotic arm used in all of our 6500 series systems. We currently have no existing supply contract with MECS Corporation, and we currently purchase all robotic assemblies from MECS Corporation on a purchase order basis. Disruption or termination of certain of these sources, including our robotic sub-assembly source, could have an adverse effect on our operations and damage our relationship with our customers.

Any failure by us to comply with environmental regulations imposed on us could subject us to future liabilities.

We are subject to a variety of governmental regulations related to the use, storage, handling, discharge or disposal of toxic, volatile or otherwise hazardous chemicals used in our manufacturing process. We believe that we are currently in compliance in all material respects with these regulations and that we have obtained all necessary environmental permits generally relating to the discharge of hazardous wastes to conduct our business. Nevertheless, our failure to comply with present or future regulations could result in additional or corrective operating costs, suspension of production, alteration of our manufacturing processes or cessation of our operations.

Item 6. Exhibits and Reports on Form 8-K

- (a) Exhibits
 - (i) Form of Unit Purchase Agreement dated December 31, 2001.
 - (ii) Form of Warrant
 - (iii) Third Amended and Restated 1998 Equity Participation Plan
 - (iv) Third Amended and Restated Stock Option Plan for Outside Directors
- (b) Reports on Form 8-K

None.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

TEGAL CORPORATION (Registrant)

/s/ KATHY PETRINI

Kathy Petrini Corporate Controller, Treasurer and Secretary

Dated: February 13, 2002

EXHIBIT INDEX

Description	
Form of Unit Purchase Agreement dated December 31, 2001.	
Form of Warrant	
Third Amended and Restated 1998 Equity Participation Plan	
Third Amended and Restated Stock Option Plan for Outside Directors	
	Form of Unit Purchase Agreement dated December 31, 2001. Form of Warrant Third Amended and Restated 1998 Equity Participation Plan

FORM OF UNIT PURCHASE AGREEMENT

Tegal Corporation 2201 South McDowell Boulevard Petaluma, CA 94954

Ladies & Gentlemen:				
The undersign "Investor"), hereby con-	ed,	(the		
	greement (the "Agreement") is made as o tion, a Delaware corporation (the "Compa			
"Units"), each unit cons common stock of the Co one warrant to purchase "Warrant Shares"), exer	thorized the sale and issuance of up toisting of one share (collectively, the "Sharompany, \$0.01 par value per share (the "Cone-half of a share of Common Stock (coisable at \$2.50 per share (the "Warrants" pany's Board of Directors, to certain invest Offering").	res") of common Stock") and ollectively the), subject to		
Company and the Compurchase price of \$1.40 pursuant to the Terms a Annex I and incorporate Unless otherwise reques	e Investor agree that the Investor will pure company will issue and sell to the Investor per Unit, or an aggregate purchase price on Conditions for Purchase of Units attacked herein by reference as if fully set forth sted by the Investor, certificates representil by the Investor will be registered in the I below.	Units for a of \$, ned hereto as herein. ng the Shares		
4. The Investor represents that, except as set forth below, (a) it has had no position, office or other material relationship within the past three years with the Company or its affiliates, (b) neither it, nor any group of which it is a member or to which it is related, beneficially owns (including the right to acquire or vote) any securities of the Company and (c) it has no direct or indirect affiliation or association with any NASD member. Exceptions:				
` .	s, write "none." If left blank, response deemed to be "none.")			
	that the foregoing correctly sets forth the by signing in the space provided below for			
AGREED AND ACCE	PTED:			
TEGAL CORPORATION	ON INVESTOR			
	By:			
By: Title:	Print Name:	•		
	Title:			
	Address:			
	Tax ID No.:			
	Contact name:			

Telephone:
Name in which Shares should be registered (if different):

A-1 ANNEX I

TERMS AND CONDITIONS FOR PURCHASE OF UNITS

- 1. Authorization and Sale of the Units. Subject to the terms and conditions of this Agreement, the Company has authorized the sale of up to
 ______ Units in a private placement exempt from the registration requirements of Section 5 of the Securities Act of 1933, as amended (the "Offering"). The Company reserves the right to increase or decrease this number.
 - 2. Agreement to Sell and Purchase the Units; Closing Date.
- 2.1 At the Closing (as defined in Section 3), the Company will sell to the Investor, and the Investor will purchase from the Company, upon the terms and conditions hereinafter set forth, the number of Units set forth on the signature page hereto at the purchase price set forth on such signature page.
- 2.2 The Company may enter into this same form of Unit Purchase Agreement with certain other investors (the "Other Investors") and expects to complete sales of Units to them. (The Investor and the Other Investors are hereinafter sometimes collectively referred to as the "Investors," and this Agreement and the Unit Purchase Agreements executed by the Other Investors are hereinafter sometimes collectively referred to as the "Agreements.") The Company will accept executed Agreements from Investors for the purchase of Units commencing upon the date on which the Company provides the Investors with the proposed purchase price per Share and concluding upon the date on which the Company has notified the Investors in writing that it is no longer accepting Agreements from Investors for the purchase of Units, and in no event later than _______. The Company may not enter into any Agreements after the Closing Date.
- 3. Delivery of the Units after Closing. The completion of the purchase and sale of the Units shall occur on or before)______ (the "Closing Date") at the offices of the Company's counsel. Within thirty days of the Closing Date, the Company shall deliver to the Investor one or more stock certificates representing the number of Shares and Warrants set forth on the signature page hereto, each such certificate to be registered in the name of the Investor or, if so indicated on the signature page hereto, in the name of a nominee designated by the Investor.

The Company's obligation to issue the Units to the Investor shall be subject to the following conditions, any one or more of which may be waived by the Company: (a) receipt by the Company on the Closing Date of a certified or official bank check or wire transfer of funds in the full amount of the purchase price for the Units being purchased hereunder as set forth on the signature page hereto; (b) completion of the purchases and sales under the Agreements with the Other Investors; and (c) the accuracy of the representations and warranties made by the Investors and the fulfillment of those undertakings of the Investors to be fulfilled prior to the Closing.

The Investor's obligation to purchase the Units shall be subject to the following condition, which may be waived by the Investor: the representations and warranties of the Company set forth herein shall be true and correct in all material respects.

- 4. Representations, Warranties and Covenants of the Company. The Company hereby represents and warrants to, and covenants with, the Investor, as follows:
- 4.1 Organization. The Company is duly incorporated, validly existing and in good standing under the laws of the State of Delaware, with corporate power and authority to own its properties and to conduct its business as described in the Confidential Offering Memorandum dated ______ distributed in connection with the sale of the Units (including the documents

incorporated by reference therein, the "Placement Memorandum") and is registered or qualified to do business and is in good standing in each jurisdiction in which it owns or leases property or transacts business and where the failure to be so registered or qualified would have a material adverse effect upon the business or financial condition of the Company.

- 4.2 Due Authorization. The execution, delivery and performance of the Agreements and the Warrants have been duly authorized by all necessary corporate action of the Company, and the Agreements and Warrants have been duly executed and delivered by the Company and constitute legally valid and binding agreements of the Company, enforceable against the Company in accordance with their terms, except as rights to indemnity and contribution may be limited by state or federal securities laws or the public policy underlying such laws, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization, moratorium or similar laws affecting creditors' and contracting parties' rights generally and except as enforceability may be subject to general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law).
- 4.3 Non-Contravention. The execution and delivery of the Agreements and the Warrants and the issuance and sale of the Units by the Company pursuant to the Agreements and the Warrants on the date hereof do not (A) violate the charter or bylaws of the Company; (B) result in the breach of or a default under any of the material agreement to which the Company is bound; (C) violate any federal or California statute, rule or regulation applicable to the Company; or (D) require any consents, approvals, authorizations, registrations, declarations or filings by the Company under any federal or California statute, rule or regulation applicable to the Company other than such as have been made or obtained, and except for any securities filings required to be made under federal or state securities laws or by the Nasdaq National Market.
- 4.4 The Shares; the Warrant Shares. The Shares and the Warrant Shares to be issued and sold by the Company pursuant to the Agreements have been duly authorized by all necessary corporate action of the Company, and when issued and paid for by you in accordance with the terms of this Agreement, will be validly issued, fully paid and nonassessable. The Company shall reserve and keep available, solely for issuance or delivery upon exercise of such Investor's Warrants, the number of shares of Common Stock as from time to time shall be receivable upon the exercise of the Warrants.
- 4.5 Legal Proceedings. There is no material legal or governmental proceeding pending or, to the knowledge of the Company, threatened or contemplated to which the Company is or may be a party or of which the business or property of the Company is or may be subject that is not disclosed in the Placement Memorandum or the SEC Filings (as defined below).
- 4.6 No Violations. The Company is not in violation of its charter or bylaws, in violation of any law, administrative regulation, ordinance or order of any court or governmental agency, arbitration panel or authority applicable to the Company which violation, individually or in the aggregate, would be reasonably likely to have a material adverse effect on the business or financial condition of the Company or in default in any material respect in the performance of any material agreement or instrument to which the Company is a party or by which the Company is bound or by which the properties of the Company are bound, which would be reasonably likely to have a material adverse effect upon the business or financial condition of the Company.
- 4.7 Governmental Permits, Etc. Except as disclosed in the SEC Filings, the Company has all necessary franchises, licenses, certificates and other authorizations from any foreign, federal, state or local government or governmental agency, department, or body that are currently necessary for the operation of the business of the Company as described in the Placement Memorandum except where the failure to currently possess could not reasonably be expected to have a material adverse effect.
- 4.8 Intellectual Property. Subject to the matters discussed under "Risk Factors" in the Placement Memorandum, (i) the Company owns or possesses sufficient rights to use all material patents, patent rights, trademarks, copyrights, licenses, inventions, trade secrets, trade names and know-how (collectively, "Intellectual Property") described or referred to in the Placement Memorandum as owned by it or that are necessary for the conduct of its business as now conducted or as proposed to be conducted as described in the

Placement Memorandum except where the failure to currently own or possess would not have a material adverse effect on the financial condition, earnings, operations, business or business prospects of the Company, (ii) the Company has not received any notice of, and has no knowledge of, any infringement of asserted rights of a third party with respect to any Intellectual Property that, individually or in the aggregate, would have a material adverse effect on the financial condition or business of the Company and (iii) the Company has not received any notice of any infringement of

A-3

rights of a third party with respect to any Intellectual Property that, individually or in the aggregate, would have a material adverse effect upon the business or financial condition of the Company.

- 4.9 Financial Statements. The financial statements of the Company and the related notes contained in the Company's Annual Report on Form 10-K, as amended, for the fiscal year ended March 31, 2001 and its Quarterly Report on Form 10-Q, as amended, for the fiscal quarter ended June 30, 2001 present fairly, in accordance with generally accepted accounting principles, the financial position of the Company as of the dates indicated, and the results of its operations and cash flows for the periods therein specified. Such financial statements (including the related notes) have been prepared in accordance with generally accepted accounting principles applied on a consistent basis throughout the periods therein specified.
- 4.10 No Material Adverse Change. Except as disclosed in the SEC Filings, since June 30, 2001, there has not been (i) any material adverse change in the financial condition or earnings of the Company nor has any material adverse event occurred to the Company, (ii) any material adverse event affecting the Company, (iii) any obligation, direct or contingent, that is material to the Company, incurred by the Company, except obligations incurred in the ordinary course of business, (iv) any dividend or distribution of any kind declared, paid or made on the capital stock of the Company or (v) any loss or damage (whether or not insured) to the physical property of the Company which has been sustained which has a material adverse effect on the condition (financial or otherwise), earnings, operations, business or business prospects of the Company.
- 4.11 NASDAQ Compliance. The Company's Common Stock is registered pursuant to Section 12(g) of the Exchange Act and is listed on The Nasdaq Stock Market, Inc. National Market (the "Nasdaq National Market"), and the Company has taken no action designed to, or likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act or de-listing the Common Stock from the Nasdaq National Market, nor has the Company received any notification that the Securities and Exchange Commission (the "SEC") or the National Association of Securities Dealers, Inc. ("NASD") is contemplating terminating such registration or listing.
- 4.12 Reporting Status. The Company has filed in a timely manner all documents that the Company was required to file under the Securities Exchange Act of 1934, as amended (the "Exchange Act") during the 12 months preceding the date of this Agreement. The following documents (collectively, the "SEC Filings") complied in all material respects with the SEC's requirements as of their respective filing dates, and the information contained therein as of the date thereof did not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein in light of the circumstances under where they were made not misleading:
- (a) The Company's Annual Report on Form 10-Q for the fiscal quarter ended June 30, 2001 (the "10-Q");
- (b) The Company's Annual Report on Form 10-K for the fiscal year ended March 31, 2001 (the "10-K");
- (c) The Company's Proxy Statement for the Annual Meeting of Stockholders held on September 25, 2001; and
- (d) All other documents, if any, filed by the Company with the SEC since June 30, 2001 as of the date hereof pursuant to the reporting requirements of the Exchange Act.

4.14 Listing. The Company shall use its best efforts to comply with all requirements of the National Association of Securities Dealers, Inc. with respect to the issuance of the Shares and the listing of the Shares and Warrant Shares on the Nasdaq National Market.

A-4

- 5. Representations, Warranties and Covenants of the Investor.
- 5.1 The Investor represents and warrants to, and covenants with, the Company that: (i) the Investor is an "accredited investor" as defined in Rule 501(a) of Regulation D promulgated under the Securities Act and the Investor is also knowledgeable, sophisticated and experienced in making, and is qualified to make decisions with respect to investments in shares presenting an investment decision like that involved in the purchase of the Units, including investments in securities issued by the Company and investments in comparable companies, and has requested, received, reviewed and considered all information it deemed relevant in making an informed decision to purchase the Units; (ii) the Investor is acquiring the Units in the ordinary course of its business and for its own account for investment only and with no present intention of distributing any Shares or Warrant Shares or any arrangement or understanding with any other persons regarding the distribution of such Shares and Warrant Shares; (iii) the Investor will not, directly or indirectly, offer, sell, pledge, transfer or otherwise dispose of (or solicit any offers to buy, purchase or otherwise acquire or take a pledge of) any of the Shares and Warrant Shares except in compliance with the Securities Act, applicable state securities laws and the respective rules and regulations promulgated thereunder; (iv) the Investor has answered all questions on the signature page hereto for use in preparation of the Registration Statement and the answers thereto are true and correct as of the date hereof and will be true and correct as of the Closing Date; (v) the Investor has reviewed copies of the SEC Filings; (vi) the Investor has had an opportunity to ask questions and receive answers from the management of the Company regarding the Company, its business and the Offering of the Units; (vii) the Investor will notify the Company immediately of any change in any of such information until such time as the Investor has sold all of its Shares and Warrant Shares or until the Company is no longer required to keep the Registration Statement effective; and (viii) the Investor has, in connection with its decision to purchase Units, relied only upon the Placement Memorandum and the representations and warranties of the Company contained herein. Investor understands that its acquisition of the Units has not been registered under the Securities Act or registered or qualified under any state securities law in reliance on specific exemptions therefrom, which exemptions may depend upon, among other things, the bona fide nature of the Investor's investment intent as expressed herein. Investor has completed or caused to be completed and delivered to the Company the Investor Questionnaire attached as Exhibit B to the Placement Memorandum, which questionnaire is true and correct in all material respects.
- 5.2 The Investor acknowledges, represents and agrees that no action has been or will be taken in any jurisdiction outside the United States by the Company that would permit an offering, sale or delivery of the Units or possession or distribution of offering materials in connection with the issue of the Units. Each Investor outside the United States will comply with all applicable laws and regulations in each foreign jurisdiction in which it purchases, offers, sells or delivers Units or has in its possession or distributes any offering material, in all cases at its own expense.
- 5.3 The Investor hereby covenants with the Company not to make any sale of the Shares or Warrants without complying with the provisions of this Agreement, including Section 7.2 hereof, and without effectively causing the prospectus delivery requirement under the Securities Act to be satisfied, and the Investor acknowledges that the certificates evidencing the Shares and Warrants will be imprinted with a legend that prohibits their transfer except in accordance therewith. The Investor acknowledges that there may occasionally be times when the Company determines that it must suspend the use of the Prospectus forming a part of the Registration Statement, as set forth in Section 7.2(c).
- 5.4 The Investor further represents and warrants to, and covenants with, the Company that (i) the Investor has full right, power, authority and capacity to enter into this Agreement and to consummate the transactions contemplated hereby and has taken all necessary action to authorize the execution, delivery and performance of this Agreement, and (ii) this

Agreement constitutes a valid and binding obligation of the Investor enforceable against the Investor in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization, moratorium or similar laws affecting creditors' and contracting parties' rights generally and except as enforceability may be subject to general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law) and except as the indemnification agreements of the Investors herein may be legally unenforceable.

A-5

- 5.5 Investor will not use any of the restricted Shares or Warrants acquired pursuant to this Agreement to cover any short position in the Common Stock of the Company if doing so would be in violation of applicable securities laws.
- 5.6 The Investor understands that nothing in the Placement Memorandum, this Agreement or any other materials presented to the Investor in connection with the purchase and sale of the Units constitutes legal, tax or investment advice. The Investor has consulted such legal, tax and investment advisors as it, in its sole discretion, has deemed necessary or appropriate in connection with its purchase of the Units.
- 6. Survival of Representations, Warranties and Agreements. Notwithstanding any investigation made by any party to this Agreement, all covenants, agreements, representations and warranties made by the Company and the Investor herein shall survive the execution of this Agreement, the delivery to the Investor of the Units being purchased and the payment therefor.
- 7. Registration of the Shares; Compliance with the Securities Act.
 - 7.1 Registration Procedures and Expenses. The Company shall:
- (a) subject to receipt of necessary information from the Investors, use its reasonable efforts to prepare and file with the SEC a registration statement (the "Registration Statement") to enable the resale of the Shares and Warrant Shares by the Investors from time to time through the automated quotation system of the Nasdaq National Market or in privately-negotiated transactions;
- (b) use its reasonable efforts, subject to receipt of necessary information from the Investors, to cause the Registration Statement to become effective within 90 days after Closing Date;
- (c) use its reasonable efforts to prepare and file with the SEC such amendments and supplements to the Registration Statement and the Prospectus used in connection therewith as may be necessary to keep the Registration Statement current and effective for a period not exceeding, with respect to each Investor's Shares purchased hereunder, the earlier of (i) the second anniversary of the Closing Date, (ii) the date on which the Investor may sell all Shares then held by the Investor without restriction by the volume limitations of Rule 144(e) of the Securities Act or (iii) such time as all Shares purchased by such Investor in this Offering have been sold pursuant to a registration statement.
- (d) furnish to the Investor with respect to the Shares registered under the Registration Statement such number of copies of the Registration Statement, Prospectuses and Preliminary Prospectuses in conformity with the requirements of the Securities Act and such other documents as the Investor may reasonably request, in order to facilitate the public sale or other disposition of all or any of the Shares by the Investor, provided, however, that the obligation of the Company to deliver copies of Prospectuses or Preliminary Prospectuses to the Investor shall be subject to the receipt by the Company of reasonable assurances from the Investor that the Investor will comply with the applicable provisions of the Securities Act and of such other securities or blue sky laws as may be applicable in connection with any use of such Prospectuses or Preliminary Prospectuses;
- (e) file documents required of the Company for normal blue sky clearance in states specified in writing by the Investor, provided, however, that the Company shall not be required to qualify to do business or consent to

service of process in any jurisdiction in which it is not now so qualified or has not so consented;

- (f) bear all expenses in connection with the procedures in paragraph (a) through (e) of this Section 7.1 and the registration of the Shares pursuant to the Registration Statement; and
- (g) advise the Investors promptly after it shall receive notice or obtain knowledge of the issuance of any stop order by the SEC delaying or suspending the effectiveness of the Registration Statement or of the initiation or threat of any proceeding for that purpose; and it will promptly use its reasonable efforts to prevent

A-6

the issuance of any stop order or to obtain its withdrawal at the earliest possible moment if such stop order should be issued.

The Company understands that the Investor disclaims being an underwriter, but the Investor being deemed an underwriter by the SEC shall not relieve the Company of any obligations it has hereunder, provided, however that if the Company receives notification from the SEC that the Investor is deemed an underwriter, then the period by which the Company is obligated to submit an acceleration request to the SEC shall be extended to the earlier of (i) the 90th day after such SEC notification or (ii) 120 days after the initial filing of the Registration Statement with the SEC.

- 7.2 Transfer of Shares After Registration; Suspension.
- (a) The Investor agrees that it will not effect any disposition of the Shares or Warrant Shares or its right to purchase the Shares or Warrant Shares that would constitute a sale within the meaning of the Securities Act except as contemplated in the Registration Statement referred to in Section 7.1 and as described below, and that it will promptly notify the Company of any changes in the information set forth in the Registration Statement regarding the Investor or its plan of distribution.
- (b) Except in the event that paragraph (c) below applies, the Company shall (i) if deemed necessary by the Company, prepare and file from time to time with the SEC a post-effective amendment to the Registration Statement or a supplement to the related Prospectus or a supplement or amendment to any document incorporated therein by reference or file any other required document so that such Registration Statement will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading, and so that, as thereafter delivered to purchasers of the Shares or Warrant Shares being sold thereunder, such Prospectus will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading; (ii) provide the Investor copies of any documents filed pursuant to Section 7.2(b)(i); and (iii) inform each Investor that the Company has complied with its obligations in Section 7.2(b)(i) (or that, if the Company has filed a post-effective amendment to the Registration Statement which has not yet been declared effective, the Company will notify the Investor to that effect, will use its reasonable efforts to secure the effectiveness of such post-effective amendment as promptly as possible and will promptly notify the Investor pursuant to Section 7.2(b)(i) hereof when the amendment has become effective).
- (c) Subject to paragraph (d) below, in the event (i) of any request by the SEC or any other federal or state governmental authority during the period of effectiveness of the Registration Statement for amendments or supplements to a Registration Statement or related Prospectus or for additional information; (ii) of the issuance by the SEC or any other federal or state governmental authority of any stop order suspending the effectiveness of a Registration Statement or the initiation of any proceedings for that purpose; (iii) of the receipt by the Company of any notification with respect to the suspension of the qualification or exemption from qualification of any of the Shares or Warrant Shares for sale in any jurisdiction or the initiation or threatening of any proceeding for such purpose; or (iv) of any event or circumstance which, upon the advice of its counsel, necessitates the making of any changes in the Registration Statement or Prospectus or any document

incorporated or deemed to be incorporated therein by reference so that, in the case of the Registration Statement, it will not contain any untrue statement of a material fact or any omission to state a material fact required to be stated therein or necessary to make the statements therein not misleading, or in the case of the Prospectus, it will not contain any untrue statement of a material fact or any omission to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading; then the Company shall deliver a certificate in writing to the Investor (the "Suspension Notice") to the effect of the foregoing and, upon receipt of such Suspension Notice, the Investor will refrain from selling any Shares pursuant to the Registration Statement (a "Suspension") until the Investor's receipt of copies of a supplemented or amended Prospectus prepared and filed by the Company, or until it is advised in writing by the Company that the current Prospectus may be used, and has received copies of any additional or supplemental filings that are incorporated or deemed incorporated by reference in any such Prospectus. In the event of any Suspension, the Company will use its reasonable efforts to cause the use of the Prospectus so suspended to be resumed as soon as reasonably practicable within 20 business days after the delivery of a Suspension Notice to the Investor. In addition to and without limiting any other

A-7

remedies (including, without limitation, at law or at equity) available to the Investor, the Investor shall be entitled to specific performance in the event that the Company fails to comply with the provisions of this Section 7.2(c).

- (d) Notwithstanding the foregoing paragraphs of this Section 7.2, the Investor shall not be prohibited from selling Shares or Warrant Shares under the Registration Statement as a result of Suspensions on more than three occasions of not more than 30 days each in any twelve month period unless, in the good faith judgment of the Company's Board of Directors or upon advice of counsel, the sale of Shares or Warrant Shares under the Registration Statement in reliance on this paragraph 7.2(d) would be reasonably likely to cause a violation of the Securities Act or the Exchange Act and result in potential liability to the Company.
- (e) Provided that a Suspension is not then in effect the Investor may sell Shares and Warrant Shares under the Registration Statement, provided that it arranges for delivery of a current Prospectus to the transferee of such Shares or Warrant Shares. Upon receipt of a request therefor, the Company has agreed to provide an adequate number of current Prospectuses to the Investor and to supply copies to any other parties requiring such Prospectuses.
- (f) In the event of a sale of Shares or Warrant Shares by the Investor pursuant to the Registration Statement, the Investor must also deliver to the Company's transfer agent, with a copy to the Company, a Certificate of Subsequent Sale substantially in the form attached hereto as Exhibit A, so that the Shares and Warrant Shares may be properly transferred.
 - 7.3 Indemnification. For the purpose of this Section 7.3:
- (i) the term "Selling Stockholder" shall include the Investor and any affiliate of such Investor;
- (ii) the term "Registration Statement" shall include any final Prospectus, exhibit, supplement or amendment included in or relating to the Registration Statement referred to in Section 7.1; and
- (iii) the term "untrue statement" shall include any untrue statement or alleged untrue statement, or any omission or alleged omission to state in the Registration Statement a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.
- (a) The Company agrees to indemnify and hold harmless each Selling Stockholder from and against any losses, claims, damages or liabilities to which such Selling Stockholder may become subject (under the Securities Act or otherwise) insofar as such losses, claims, damages or liabilities (or actions or proceedings in respect thereof) arise out of, or are based upon (i) any untrue statement of a material fact contained in the Registration Statement, or (ii) any failure by the Company to fulfill any undertaking included in the

Registration Statement, and the Company will reimburse such Selling Stockholder for any reasonable legal or other expenses reasonably incurred in investigating, defending or preparing to defend any such action, proceeding or claim, or preparing to defend any such action, proceeding or claim, provided, however, that the Company shall not be liable in any such case to the extent that such loss, claim, damage or liability arises out of, or is based upon, an untrue statement made in such Registration Statement in reliance upon and in conformity with written information furnished to the Company by or on behalf of such Selling Stockholder specifically for use in preparation of the Registration Statement or the failure of such Selling Stockholder to comply with its covenants and agreements contained in Section 7.2 hereof respecting sale of the Shares or Warrant Shares or any statement or omission in any Prospectus that is corrected in any subsequent Prospectus that was delivered to the Investor prior to the pertinent sale or sales by the Investor.

(b) The Investor agrees to indemnify and hold harmless the Company (and each person, if any, who controls the Company within the meaning of Section 15 of the Securities Act, each officer of the Company who signs the Registration Statement and each director of the Company) from and against any losses, claims, damages or liabilities to which the Company (or any such officer, director or controlling person) may become subject (under the Securities Act or otherwise), insofar as such losses, claims, damages or liabilities (or

A-8

actions or proceedings in respect thereof) arise out of, or are based upon, (i) any failure to comply with the covenants and agreements contained in Section 7.2 hereof respecting sale of the Shares and Warrant Shares, or (ii) any untrue statement of a material fact contained in the Registration Statement if such untrue statement was made in reliance upon and in conformity with written information furnished by or on behalf of the Investor specifically for use in preparation of the Registration Statement, and the Investor will reimburse the Company (or such officer, director or controlling person), as the case may be, for any legal or other expenses reasonably incurred in investigating, defending or preparing to defend any such action, proceeding or claim; provided that the Investor's obligation to indemnify the Company shall be limited to the net amount received by the Investor from the sale of the Shares and Warrant Shares.

(c) Promptly after receipt by any indemnified person of a notice of a claim or the beginning of any action in respect of which indemnity is to be sought against an indemnifying person pursuant to this Section 7.3, such indemnified person shall notify the indemnifying person in writing of such claim or of the commencement of such action, but the omission to so notify the indemnifying party will not relieve it from any liability which it may have to any indemnified party under this Section 7.3 (except to the extent that such omission materially and adversely affects the indemnifying party's ability to defend such action) or from any liability otherwise than under this Section 7.3. Subject to the provisions hereinafter stated, in case any such action shall be brought against an indemnified person, the indemnifying person shall be entitled to participate therein, and, to the extent that it shall elect by written notice delivered to the indemnified party promptly after receiving the aforesaid notice from such indemnified party, shall be entitled to assume the defense thereof, with counsel reasonably satisfactory to such indemnified person. After notice from the indemnifying person to such indemnified person of its election to assume the defense thereof, such indemnifying person shall not be liable to such indemnified person for any legal expenses subsequently incurred by such indemnified person in connection with the defense thereof, provided, however, that if there exists or shall exist a conflict of interest that would make it inappropriate, in the opinion of counsel to the indemnified person, for the same counsel to represent both the indemnified person and such indemnifying person or any affiliate or associate thereof, the indemnified person shall be entitled to retain its own counsel at the expense of such indemnifying person; provided, however, that no indemnifying person shall be responsible for the fees and expenses of more than one separate counsel (together with appropriate local counsel) for all indemnified parties. In no event shall any indemnifying person be liable in respect of any amounts paid in settlement of any action unless the indemnifying person shall have approved the terms of such settlement; provided that such consent shall not be unreasonably withheld. No indemnifying person shall, without the prior written consent of the indemnified person, effect any settlement of any pending or threatened proceeding in respect of which any indemnified person is or could have been a party and indemnification could have

been sought hereunder by such indemnified person, unless such settlement includes an unconditional release of such indemnified person from all liability on claims that are the subject matter of such proceeding.

(d) If the indemnification provided for in this Section 7.3 is unavailable to or insufficient to hold harmless an indemnified party under subsection (a) or (b) above in respect of any losses, claims, damages or liabilities (or actions or proceedings in respect thereof) referred to therein, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of such losses, claims, damages or liabilities (or actions in respect thereof) in such proportion as is appropriate to reflect the relative fault of the Company on the one hand and the Investors on the other in connection with the statements or omissions or other matters which resulted in such losses, claims, damages or liabilities (or actions in respect thereof), as well as any other relevant equitable considerations. The relative fault shall be determined by reference to, among other things, in the case of an untrue statement, whether the untrue statement relates to information supplied by the Company on the one hand or an Investor on the other and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such untrue statement. The Company and the Investors agree that it would not be just and equitable if contribution pursuant to this subsection (d) were determined by pro rata allocation (even if the Investors were treated as one entity for such purpose) or by any other method of allocation which does not take into account the equitable considerations referred to above in this subsection (d). The amount paid or payable by an indemnified party as a result of the losses, claims, damages or liabilities (or actions in respect thereof) referred to above in this subsection (d) shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this subsection (d), no Investor shall be required to contribute any amount in excess of the amount by which the net amount received by the Investor from the sale of the Shares and Warrant Shares to which such loss relates exceeds the amount of any damages which such Investor has otherwise been required to pay by reason of

A-9

such untrue statement. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. The Investors' obligations in this subsection to contribute are several in proportion to their sales of Shares and Warrant Shares to which such loss relates and not joint.

- (e) The parties to this Agreement hereby acknowledge that they are sophisticated business persons who were represented by counsel during the negotiations regarding the provisions hereof including, without limitation, the provisions of this Section 7.3, and are fully informed regarding said provisions. They further acknowledge that the provisions of this Section 7.3 fairly allocate the risks in light of the ability of the parties to investigate the Company and its business in order to assure that adequate disclosure is made in the Registration Statement as required by the Act and the Exchange Act. The parties are advised that federal or state public policy as interpreted by the courts in certain jurisdictions may be contrary to certain of the provisions of this Section 7.3, and the parties hereto hereby expressly waive and relinquish any right or ability to assert such public policy as a defense to a claim under this Section 7.3 and further agree not to attempt to assert any such defense.
- 7.4 Termination of Conditions and Obligations. The conditions precedent imposed by Section 5 or this Section 7 upon the transferability of the Shares and Warrant Shares shall cease and terminate as to any particular number of the Shares and Warrant Shares when such Shares and Warrant Shares shall have been effectively registered under the Securities Act and sold or otherwise disposed of in accordance with the intended method of disposition set forth in the Registration Statement covering such Shares and Warrant Shares or at such time as an opinion of counsel satisfactory to the Company shall have been rendered to the effect that such conditions are not necessary in order to comply with the Securities Act.
- 7.5 Information Available. So long as the Registration Statement is effective covering the resale of Shares and Warrant Shares owned by the Investor, the Company will furnish to the Investor:

- (a) upon the reasonable request of the Investor, one copy of (i) its Annual Report to Stockholders (which Annual Report shall contain financial statements audited in accordance with generally accepted accounting principles by a national firm of certified public accountants), (ii) its Annual Report on Form 10-K and (iii) its Quarterly Reports on Form 10-Q (the foregoing, in each case, excluding exhibits);
- (b) upon the reasonable request of the Investor, all exhibits excluded by the parenthetical to subparagraph (a) of this Section 7.5 as filed with the SEC and all other information that is made available to shareholders; and
- (c) upon the reasonable request of the Investor, an adequate number of copies of the Prospectuses to supply to any other party requiring such Prospectuses; and the Company, upon the reasonable request of the Investor, will meet with the Investor or a representative thereof at the Company's headquarters to discuss all information relevant for disclosure in the Registration Statement covering the Shares and Warrant Shares and will otherwise cooperate with any Investor conducting an investigation for the purpose of reducing or eliminating such Investor's exposure to liability under the Securities Act, including the reasonable production of information at the Company's headquarters; provided, that the Company shall not be required to disclose any confidential information to or meet at its headquarters with any Investor until and unless the Investor shall have entered into a confidentiality agreement in form and substance reasonably satisfactory to the Company with the Company with respect thereto.
- 8. Notices. All notices, requests, consents and other communications hereunder shall be in writing, shall be mailed (A) if within domestic United States by first-class registered or certified airmail, or nationally recognized overnight express courier, postage prepaid, or by facsimile, or (B) if delivered from outside the United States, by International Federal Express or facsimile, and shall be deemed given (i) if delivered by first-class registered or certified mail domestic, three business days after so mailed, (ii) if delivered by nationally recognized overnight carrier, one business day after so mailed, (iii) if delivered by International Federal Express, two business days after so mailed, (iv) if delivered by facsimile, upon electric confirmation of receipt and shall be delivered as addressed as follows:

A-10 (a) if to the Company, to:

Tegal Corporation 2201 South McDowell Boulevard Petaluma, CA 94954 Attn: Finance Department Phone: (707) 763-5600

Facsimile: (707) 763-5600

(b) with a copy to:

Latham & Watkins
135 Commonwealth Drive
Menlo Park, CA 94025
Attn: Christopher L. Kaufman, Esq.

Phone: (650) 328-4600 Facsimile: (650) 463-2600

- (c) if to the Investor, at its address on the signature page hereto, or at such other address or addresses as may have been furnished to the Company in writing.
- 9. Changes. This Agreement may not be modified or amended except pursuant to an instrument in writing signed by the Company and the Investor.
- 10. Headings. The headings of the various sections of this Agreement have been inserted for convenience of reference only and shall not be deemed to be part of this Agreement.
 - 11. No Brokers. The parties hereto hereby represent that there

are no brokers or finders entitled to compensation in connection with the transactions contemplated hereby, other than Fechtor, Detwiler & Co., Inc., who will be paid a commission and issued warrants by the Company.

- 12. Severability. In case any provision contained in this Agreement should be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby.
- 13. Governing Law. This Agreement shall be governed by, and construed in accordance with, the internal laws of the State of California, without giving effect to the principles of conflicts of law.
- 14. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall constitute an original, but all of which, when taken together, shall constitute but one instrument, and shall become effective when one or more counterparts have been signed by each party hereto and delivered to the other parties.
- 15. Rule 144. The Company covenants that it will file the reports required to be filed by it under the Securities Act and the Exchange Act and the rules and regulations adopted by the SEC thereunder (or, if the Company is not required to file such reports, it will, upon the request of any Investor holding Shares and Warrant Shares purchased hereunder made after the second anniversary of the Closing Date, make publicly available such information as necessary to permit sales pursuant to Rule 144 under the Securities Act), and it will take such further action as any such Investor may reasonably request, all to the extent required from time to time to enable such Investor to sell Shares and Warrant Shares purchased hereunder without registration under the Securities Act within the limitation of the exemptions provided by (a) Rule 144 under the Securities Act, as such Rule may be amended from time to time, or (b) any similar rule or regulation hereafter adopted by the SEC. Upon the request of any such Investor, the Company will deliver to such holder a written statement as to whether it has complied with such information and requirements.

A-11 INSTRUCTION SHEET FOR INVESTOR

(to be read in conjunction with the entire Unit Purchase Agreement)

- A. Complete the following items in the Unit Purchase Agreement:
- 1. Provide the information regarding the Investor requested on the signature page (page 1). The Agreement must be executed by an individual authorized to bind the Investor.
 - 2. Return the signed Unit Purchase Agreement to:

Tegal Corporation Fechtor, Detwiler & Co., Inc.

2201 South McDowell Boulevard 225 Franklin Street, 20th Floor

Petaluma, CA 94954 Boston, MA 02110-2804

Attn: Finance Department
Phone: (707) 763-5600 Phone: (617) 747-0149

Facsimile: (707) 763-5600 Facsimile: (617) 747-0800

An executed original Unit Purchase Agreement or a facsimile thereof must be received by 5:00 p.m. California time on a date to be determined and distributed to the Investor at a later date.

- B. Instructions regarding the transfer of funds for the purchase of Units will be delivered via facsimile to the Investor by the Company at a later date.
- C. To resell the Shares and Warrant Shares after the Registration Statement covering the Shares and Warrant Shares is effective:
 - (i) Provided that a Suspension of the Registration Statement is not then in effect pursuant to the terms of the Unit Purchase Agreement, the Investor may sell Shares and Warrant Shares under the Registration

Statement, provided that it arranges for delivery of a current Prospectus to the transferee. Upon receipt of a request therefor, the Company has agreed to provide an adequate number of current Prospectuses to each investor and to supply copies to any other parties requiring such Prospectuses.

(ii) The Investor must also deliver to the Company's transfer agent, with a copy to the Company, a Certificate of Subsequent Sale in the form attached as Exhibit A to the Form of Letter Regarding Resale Procedures, so that the Shares and Warrant Shares may be properly transferred.

A-12

NEITHER THIS WARRANT NOR ANY OF THE SECURITIES ISSUABLE HEREUNDER HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), AND NONE OF THEM MAY BE OFFERED, SOLD, TRANSFERRED, ASSIGNED NOR HYPOTHECATED IN THE ABSENCE OF A REGISTRATION STATEMENT IN EFFECT WITH RESPECT TO SUCH SECURITIES UNDER THE SECURITIES ACT AND APPLICABLE STATE SECURITIES LAW OR AN OPINION OF COUNSEL REASONABLY SATISFACTORY TO THE COMPANY THAT SUCH REGISTRATION IS NOT REQUIRED.

FOR THE PURCHASE
OF ____ SHARES
OF COMMON STOCK

NO. W-

WARRANT TO PURCHASE SHARES OF COMMON STOCK OF TEGAL CORPORATION (A DELAWARE CORPORATION)

VOID AFTER 5:00 P.M., PACIFIC TIME, ON ______, 200_.

1. Exercise.

- (a) This Warrant may be exercised by the Registered Holder, in whole or in part, by surrendering this Warrant, with the form of election to purchase appended hereto as Exhibit I duly completed and executed by such Registered Holder, at the principal office of the Company, or at such other office or agency as the Company may designate, accompanied by payment in full of the Purchase Price payable in respect of the number of shares of Warrant Stock purchased upon such exercise in cash or by certified or official bank check payable to the order of the Company. Any exercise of this Warrant may be made subject to the satisfaction of one or more conditions (including, without limitation, the consummation of a sale of the capital stock of the Company or a merger or other business combination involving the Company) which are set forth in a writing which is made a part of or is appended to the aforementioned form of election to purchase notice (as the case may be) by the Registered Holder.
- (b) Each exercise of this Warrant shall be deemed to have been effected immediately prior to the close of business on the day on which this Warrant shall have been surrendered to the Company as provided in subsection 1(a) above. At such time, the person or persons in whose name or names any certificates for Warrant Stock shall be issuable upon such exercise as provided in subsection 1(c) below shall be deemed to have become the holder or holders of record of the Warrant Stock represented by such certificates.
- (c) As soon as practicable after the exercise of this Warrant in full or in part, and in any event within 10 days thereafter, the Company at its expense will cause to be issued in the name of, and delivered to, the Registered Holder, or, subject to the terms and conditions hereof, as such Holder (upon payment by such Holder of any applicable transfer taxes) may direct:
- (i) a certificate or certificates for the number of full shares of Warrant Stock to which such Registered Holder shall be entitled upon such exercise plus, in lieu of any fractional share to which such Registered Holder would otherwise be entitled, cash in an amount determined pursuant to

(ii) in case such exercise is in part only, a new warrant or warrants (dated the date hereof) of like tenor, calling in the aggregate on the face or faces thereof for the number of shares of Warrant Stock equal (without giving effect to any adjustment therein) to the number of such shares called for on the face of this Warrant minus the number of such shares purchased by the Registered Holder upon such exercise as provided in subsection 1(a) above.

2. Adjustments.

- (a) If outstanding shares of the Company's Common Stock shall be subdivided into a greater number of shares or a dividend in Common Stock shall be paid in respect of Common Stock, the Purchase Price in effect immediately prior to such subdivision or at the record date of such dividend shall simultaneously with the effectiveness of such subdivision or immediately after the record date of such dividend be proportionately reduced. If outstanding shares of Common Stock shall be combined into a smaller number of shares, the Purchase Price in effect immediately prior to such combination shall, simultaneously with the effectiveness of such combination, be proportionately increased. When any adjustment is required to be made in the Purchase Price, the number of shares of Warrant Stock purchasable upon the exercise of this Warrant shall be changed to the number determined by dividing (i) an amount equal to the number of shares issuable upon the exercise of this Warrant immediately prior to such adjustment, multiplied by the Purchase Price in effect immediately prior to such adjustment, by (ii) the Purchase Price in effect immediately after such adjustment.
- (b) If there shall occur any capital reorganization or reclassification of the Company's Common Stock (other than a change in par value or a subdivision or combination as provided for in subsection 2(a) above), then, as part of any such reorganization or reclassification, lawful provision shall be made so that the Registered Holder of this Warrant shall have the right thereafter to receive upon the exercise hereof the kind and amount of shares of stock or other securities or property which such Registered Holder would have been entitled to receive if, immediately prior to any such reorganization or reclassification, such Registered

2

Holder had held the number of shares of Common stock which were then purchasable upon the exercise of this Warrant. In any such case, appropriate adjustment (as reasonably determined by the Board of Directors of the Company) shall be made in the application of the provisions set forth herein with respect to the rights and interests thereafter of the Registered Holder of this Warrant such that the provisions set forth in this Section 2 (including provisions with respect to adjustment of the Purchase Price) and in Section 9 hereof shall thereafter be applicable, as nearly as is reasonably practicable, in relation to any shares of stock or other securities or property thereafter deliverable upon the exercise of this Warrant.

- (c) When any adjustment is required to be made in the Purchase Price, the Company shall promptly mail to the Registered Holder a certificate setting forth the Purchase Price after such adjustment and setting forth a brief statement of the facts requiring such adjustment. Such certificate shall also set forth the kind and amount of stock or other securities or property into which this Warrant shall be exercisable following the occurrence of any of the events specified in subsection 2(a) or (b) above.
- 3. Fractional Shares. The Company shall not be required upon the exercise of this Warrant to issue any fractional shares, but shall make an adjustment therefor in cash on the basis of the closing price of the Common Stock as reported on the Nasdaq National Market (the "Current Market Price") on the date of exercise of this Warrant.
- 4. Limitation on Sales, etc. The Registered Holder shall be bound by the provisions of the following legend or a legend in substantially similar form which shall be endorsed upon the certificates evidencing the Warrant Stock issued pursuant to such exercise:

UNDER THE SECURITIES ACT OF 1933, AND HAVE BEEN ACQUIRED FOR INVESTMENT AND NOT WITH A VIEW TO, OR IN CONNECTION WITH, THE SALE OR DISTRIBUTION THEREOF. NO SUCH SALE OR DISTRIBUTION MAY BE EFFECTED WITHOUT AN EFFECTIVE REGISTRATION STATEMENT RELATED THERETO OR AN OPINION OF COUNSEL IN A FORM SATISFACTORY TO THE COMPANY THAT SUCH REGISTRATION IS NOT REQUIRED UNDER THE SECURITIES ACT OF 1933.

5. Liquidating Dividends. If the Company pays a dividend or makes a distribution on the Common Stock payable otherwise than in cash out of earnings or earned surplus (determined in accordance with generally accepted accounting principles) except for a stock dividend payable in shares of Common Stock (a "Liquidating Dividend"), then the Company will pay or distribute to the Registered Holder of this Warrant, upon the exercise hereof, in addition to the Warrant Stock purchased upon such exercise, the Liquidating Dividend which would have been paid to such Registered Holder if it had been the owner of record of such shares of Warrant Stock immediately prior to the date on which a record is taken for such Liquidating Dividend or, if no record is taken, the date as of which the record holders of Common Stock entitled to such dividends or distribution are to be determined.

3

6. Notices of Record Date, etc. In case:

- (a) the Company shall take a record of the holders of its Common Stock (or other stock or securities at the time deliverable upon the exercise of this Warrant) for the purpose of entitling or enabling them to receive any dividend or other distribution, or to receive any right to subscribe for or purchase any shares of stock of any class or any other securities, or to receive any other right, or
- (b) of any capital reorganization of the Company, any reclassification of the capital stock of the Company, any consolidation or merger of the Company with or into another corporation (other than a consolidation or merger in which the Company is the surviving entity), or any transfer of all or substantially all of the assets of the Company, or
- (c) of the voluntary or involuntary dissolution, liquidation or winding-up of the Company, then, and in each such case, the Company will mail or cause to be mailed to the Registered Holder of this Warrant a notice specifying, as the case may be, (i) the date on which a record is to be taken for the purpose of such dividend, distribution or right, and stating the amount and character of such dividend, distribution or right, or (ii) the effective date on which such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up is to take place, and the time, if any, is to be fixed, as of which the holders of record of Common Stock (or such other stock or securities at the time deliverable upon the exercise of this Warrant) shall be entitled to exchange their shares of Common Stock (or such other stock or securities) for securities or other property deliverable upon such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up. Such notice shall be mailed at least ten (10) days prior to the record date or effective date for the event specified in such notice.
- 7. Reservation of Stock. The Company will at all times reserve and keep available, solely for issuance and delivery upon the exercise of this Warrant, such shares of Warrant Stock and other stock, securities and property, as from time to time shall be issuable upon the exercise of this Warrant.
- 8. Replacement of Warrants. Upon receipt of evidence reasonably satisfactory to the Company of the loss, theft, destruction or mutilation of this Warrant and (in the case of loss, theft or destruction) upon delivery of an indemnity agreement (with surety if reasonably required) in an amount reasonably satisfactory to the Company, or (in the case of mutilation) upon surrender and cancellation of this Warrant, the Company will issue, in lieu thereof, a new Warrant of like tenor.

9. Termination In Certain Events

In the event of a sale of substantially all the assets of the Company or a merger or consolidation of the Company with or into any other entity (other than a merger the sole purpose of which is to change the state of incorporation

of the Company) or a dissolution or the adoption of a plan of liquidation of the Company, this Warrant shall terminate on the effective date of such sale, merger, consolidation, dissolution or adoption (the "Effective Date") and become null and void, provided, however, that if this Warrant shall not have otherwise terminated or expired.

4

the Registered Holder hereof shall have the right until 5:00 p.m., Pacific time, on the day immediately prior to the Effective Date to exercise its rights hereunder to the extent not previously exercised.

If during any period the Current Market Price Per Share of the Common Stock is equal to or greater than \$6.50 for ten (10) consecutive trading days, then within ten (10) business days thereafter, the Company may give written notice to the Registered Holder hereof that this Warrant will terminate if it is not exercised within twenty (20) business days after the notice is sent.

10. Transfers, etc.

- (a) The Company will maintain a register containing the names and addresses of the Registered Holders of this Warrant. Any Registered Holder may change its, his or her address as shown on the warrant register by written notice to the Company requesting such change.
- (b) Until any transfer of this Warrant is made in the warrant register, the Company may treat the Registered Holder of this Warrant as the absolute owner hereof for all purposes; provided, however, that if and when this Warrant is properly assigned in blank, the Company may (but shall not be obligated to) treat the bearer hereof as the absolute owner hereof for all purposes, notwithstanding any notice to the contrary.
- 11. Mailing of Notices, etc. All notices and other communications from the Company to the Registered Holder of this Warrant shall be mailed by first-class certified or registered mail, postage prepaid, to the address furnished to the Company in writing by the last Registered Holder of this Warrant who shall have furnished an address to the Company in writing. All notices and other communications from the Registered Holder of this Warrant or in connection herewith to the Company shall be mailed by first-class certified or registered mail, postage prepaid, to the Company at its offices at 2201 South McDowell Boulevard, Petaluma, CA 94954, Attn: Finance Department, or such other address as the Company shall so notify the Registered Holder.
- 12. No Rights as Stockholder. Until the exercise of this Warrant, the Registered Holder of this Warrant shall not have or exercise any rights by virtue hereof as a stockholder of the Company.
- 13. Change or Waiver. Any term of this Warrant may be changed or waived only by an instrument in writing signed by the party against which enforcement of the change or waiver is sought.
- 14. Heading. The headings in this Warrant are for purposes of reference only and shall not limit or otherwise affect the meaning of any provision of this Warrant.
- 15. Governing Law. This Warrant will be governed by, and construed in accordance with, the internal laws of the State of California, without giving effect to the principles of conflicts of law.

TEGAL CORPORATION

Kathy J. Petrini Corporate Controller, Secretary & Treasurer

6 EXHIBIT I

FORM OF ELECTION TO PURCHASE

(TO BE EXECUTED UPON EXERCISE OF WARRANT)

To:	Tegal Corporation
	2201 South McDowell Boulevard
	Petaluma, California 94954
	Attn: Finance Department

Attn: Finance	Department
	Dated:
Warrant (No Common Stock (the payment of \$	ned pursuant to the provisions set forth in the attached), hereby irrevocably elects to purchase shares of the ne "Common Stock") covered by such Warrant and herewith makes , representing the full purchase price for such shares at the ovided for in such Warrant.

The undersigned is aware that the issuance of the Common Stock has not been registered under the Securities Act of 1933, as amended (the "1933 Act") or any state securities laws. The undersigned understands that the reliance by the Company on exemptions under the 1933 Act is predicated in part upon the truth and accuracy of the statements of the undersigned in this Purchase Form.

The undersigned represents and warrants that (1) it has been furnished with all information which it deems necessary to evaluate the merits and risks of the purchase of the Common Stock; (2) it has had the opportunity to ask questions concerning the Common Stock and the Company and all questions posed have been answered to its satisfaction; (3) it has been given the opportunity to obtain any additional information it deems necessary to verify the accuracy of any information obtained concerning the Common Stock and the Company; (4) it has such knowledge and experience in financial and business matters that it is able to evaluate the merits and risks of purchasing the Common Stock and to make an informed investment decision relating thereto; and (5) it is purchasing the Common Stock for its own account for investment and it will not resell the Common Stock in violation of the 1933 Act. The undersigned understands that because the Common Stock has not been registered under the 1933 Act, it must continue to bear the economic risk of the investment for an indefinite time and the Common Stock cannot be resold unless the Common Stock is registered under applicable federal and state securities laws or an exemption from such registration is available.

The undersigned agrees that it will in no event sell or distribute or otherwise dispose of all or any part of the Common Stock unless (1) there is an effective registration statement under the 1933 Act and applicable state securities laws covering any such transaction involving the Common Stock, (2) the Company receives an opinion of its legal counsel (concurred in by legal counsel for the Company) stating that such transaction is exempt from registration or (3) the Company otherwise satisfies itself that such transaction is exempt from registration.

The undersigned consents to the placing of a legend on its certificate for the Common Stock stating that the Common Stock has not been registered and setting forth the restriction on

II-

transfer contemplated hereby and to the placing of a stop transfer order on the books of the Company and with any transfer agents against the Common Stock until the Common Stock may be legally resold or distributed without restriction.

The undersigned has considered the Federal and state income tax implications of the exercise of the Warrant and the purchase and subsequent sale of the Common Stock.

Name:	

Dated:

THE THIRD AMENDED AND RESTATED 1998 EQUITY PARTICIPATION PLAN

OF

TEGAL CORPORATION

Tegal Corporation, a Delaware corporation (the "Company"), hereby amends and restates the Second Amended and Restated 1998 Equity Participation Plan of Tegal Corporation (as so amended, the "Plan"), incorporating certain amendments adopted by the Board of Directors on September 25, 2001 (the "Effective Date"). The Plan was initially adopted by the Board of Directors on July 16, 1998 and the stockholders of the Company on September 15, 1998, with an initial effective date of July 16, 1998. The Plan was amended and restated by the Board of Directors on July 21, 1999 and such amendment was approved by the stockholders on September 21, 1999. The Plan was again amended and restated on July 8, 2000 by the Board of Directors and such amendment was approved by the stockholders on September 19, 2000. The purposes of the Plan are as follows:

- (1) To provide an additional incentive for key Employees and Consultants (as such terms are defined below) to further the growth, development and financial success of the Company by personally benefiting through the ownership of Company stock and/or rights which recognize such growth, development and financial success.
- (2) To enable the Company to obtain and retain the services of key Employees and Consultants considered essential to the long range success of the Company by offering them an opportunity to own stock in the Company and/or rights which will reflect the growth, development and financial success of the Company.

ARTICLE I.

DEFINITIONS

- 1.1 General. Wherever the following terms are used in the Plan, they shall have the meanings specified below, unless the context clearly indicates otherwise.
- 1.2 Administrator. "Administrator" shall mean the entity that conducts the general administration of the Plan as provided herein. With reference to the administration of the Plan with respect to any Award granted under the Plan, the term "Administrator" shall refer to the Committee unless the Board has assumed the authority for administration of the Plan generally as provided in Section 9.1
- 1.3 Award. "Award" shall mean an Option, a Restricted Stock award or a Stock Appreciation Right which may be awarded or granted under the Plan (collectively, "Awards").
- 1.4 Award Agreement. "Award Agreement" shall mean a written agreement executed by an authorized officer of the Company and the Holder which shall contain such terms and conditions with respect to an Award as the Administrator shall determine, consistent with the Plan.
- $1.5~{\rm Award~Limit}$. "Award Limit" shall mean 600,000 shares of Common Stock, as adjusted pursuant to Section 10.3 of the Plan.
- 1.6 Board. "Board" shall mean the Board of Directors of the Company.
- 1.7 Change in Control. "Change in Control" shall mean a change in ownership or control of the Company effected through any of the following transactions:
- (i) any person or related group of persons (other than the Company or a person that, prior to such transaction, directly or indirectly controls, is controlled by, or is under common control with, the Company) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 under the Exchange Act) of securities of the Company (or a successor of the Company) possessing more than twenty-five percent (25%) of the total combined voting power of the then outstanding securities of the Company or such successor; or

- (ii) at any time that the Company has registered shares under the Exchange Act, at least 40% of the directors of the Company constitute persons who were not at the time of their first election to the Board, candidates proposed by a majority of the Board in office prior to the time of such first election; or
- (iii) the dissolution of the Company or liquidation of more than 75% in value of the Company or a sale of assets involving 75% or more in value of the assets of the Company, (x) any merger or reorganization of the Company whether or not another entity is the survivor, (y) a transaction pursuant to which the holders, as a group, of all of the shares of the Company outstanding prior to the transaction hold, as a group, less than 50% of the combined voting power of the Company or any successor company outstanding after the transaction, or (z) any other event which the Board determines, in its discretion, would materially alter the structure of the Company or its ownership.
- 1.8 Code. "Code" shall mean the Internal Revenue Code of 1986, as amended.
- 1.9 Committee. "Committee" shall mean the Compensation Committee of the Board, or another committee or subcommittee of the Board, appointed as provided in Section 9.1.
- 1.10 Common Stock. "Common Stock" shall mean the common stock of the Company, par value \$.01 per share, and any equity security of the Company issued or authorized to be issued in the future, but excluding any preferred stock and any warrants, options or other rights to purchase Common Stock.
- 1.11 Company. "Company" shall mean Tegal Corporation, a Delaware corporation.
- 1.12 Consultant. "Consultant" shall mean any consultant or adviser if:
 - (a) the consultant or adviser renders bona fide services to the Company;
- (b) the services rendered by the consultant or adviser are not in connection with the offer or sale of securities in a capital-raising transaction and do not directly or indirectly promote or maintain a market for the Company's securities; and
- (c) the consultant or adviser is a natural person who has contracted directly with the Company to render such services.
- 1.13 Director. "Director" shall mean a member of the Board.
- 1.14 DRO. "DRO" shall mean a domestic relations order as defined by the Code or Title I of the Employee Retirement Income Security Act of 1974, as amended, or the rules thereunder.
- 1.15 Employee. "Employee" shall mean any officer or other employee (as defined in accordance with Section 3401(c) of the Code) of the Company, or of any corporation which is a Subsidiary.
- $1.16\ Exchange\ Act.$ "Exchange Act" shall mean the Securities Exchange Act of 1934, as amended.
- 1.17 Fair Market Value. "Fair Market Value" of a share of Common Stock as of a given date shall be (a) the closing price of a share of Common Stock on the principal exchange on which shares of Common Stock are then trading, if any (or as reported on any composite index which includes such principal exchange), on the trading day previous to such date, or if shares were not traded on the trading day previous to such date, then on the next preceding date on which a trade occurred, or (b) if Common Stock is not traded on an exchange but is quoted on NASDAQ or a successor quotation system, the mean between the closing representative bid and asked prices for the Common Stock on the trading day previous to such date as reported by NASDAQ or such successor quotation system; or (c) if Common Stock is not publicly traded on an exchange and not quoted on NASDAQ or a successor quotation system, the Fair Market Value of a share of Common Stock as established by the Administrator acting in good faith.

- 1.18 Holder. "Holder" shall mean a person who has been granted or awarded an Award.
- 1.19 Incentive Stock Option. "Incentive Stock Option" shall mean an option which conforms to the applicable provisions of Section 422 of the Code and which is designated as an Incentive Stock Option by the Administrator.
- 1.20 Independent Director. "Independent Director" shall mean a member of the Board who is not an Employee of the Company.
- 1.21 Non-Qualified Stock Option. "Non-Qualified Stock Option" shall mean an Option which is not designated as an Incentive Stock Option by the Administrator.
- 1.22 Option. "Option" shall mean a stock option granted under Article IV of the Plan. An Option granted under the Plan shall, as determined by the Administrator, be either a Non-Qualified Stock Option or an Incentive Stock Option; provided, however, that Options granted to Consultants shall be Non-Qualified Stock Options.
- 1.23 Performance Criteria. "Performance Criteria" shall mean the following business criteria with respect to the Company, any Subsidiary or any division or operating unit: (a) net income, (b) pre-tax income, (c) operating income, (d) cash flow, (e) earnings per share, (f) return on equity, (g) return on invested capital or assets, (h) cost reductions or savings, (i) funds from operations, (j) appreciation in the fair market value of Common Stock and (k) earnings before any one or more of the following items: interest, taxes, depreciation or amortization.
- 1.24 Plan. "Plan" shall mean The Third Amended and Restated 1998 Equity Participation Plan of Tegal Corporation.
- 1.25 Restricted Stock. "Restricted Stock" shall mean Common Stock awarded under Article VII of the Plan.
- 1.26 Rule 16b-3. "Rule 16b-3" shall mean that certain Rule 16b-3 under the Exchange Act, as such Rule may be amended from time to time.
- 1.27 Section 162(m) Participant. "Section 162(m) Participant" shall mean any key Employee designated by the Administrator as a key Employee whose compensation for the fiscal year in which the key Employee is so designated or a future fiscal year may be subject to the limit on deductible compensation imposed by Section 162(m) of the Code.
- 1.28 Securities Act. "Securities Act" shall mean the Securities Act of 1933, as amended.
- 1.29 Stock Appreciation Right. "Stock Appreciation Right" shall mean a stock appreciation right granted under Article VIII of the Plan.
- 1.30 Subsidiary. "Subsidiary" shall mean any corporation in an unbroken chain of corporations beginning with the Company if each of the corporations other than the last corporation in the unbroken chain then owns stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.
- 1.31 Substitute Award. "Substitute Award" shall mean an Option granted under this Plan upon the assumption of, or in substitution for, outstanding equity awards previously granted by a company or other entity in connection with a corporate transaction, such as a merger, combination, consolidation or acquisition of property or stock.
- 1.32 Termination of Consultancy. "Termination of Consultancy" shall mean the time when the engagement of a Holder as a Consultant to the Company or a Subsidiary is terminated for any reason, with or without cause, including, but not by way of limitation, by resignation, discharge, death, disability or retirement; but excluding terminations where there is a simultaneous

commencement of employment with the Company or any Subsidiary. The Administrator, in its absolute discretion, shall determine the effect of all matters and questions relating to Termination of Consultancy, including, but not by way of limitation, the question of whether a Termination of Consultancy resulted from a discharge for good cause, and all questions of whether a particular leave of absence

23

constitutes a Termination of Consultancy. Notwithstanding any other provision of the Plan, the Company or any Subsidiary has an absolute and unrestricted right to terminate a Consultant's service at any time for any reason whatsoever, with or without cause, except to the extent expressly provided otherwise in writing.

1.33 Termination of Employment. "Termination of Employment" shall mean the time when the employee-employer relationship between a Holder and the Company or any Subsidiary is terminated for any reason, with or without cause, including, but not by way of limitation, a termination by resignation, discharge, death, disability or retirement; but excluding (a) terminations where there is a simultaneous reemployment or continuing employment of a Holder by the Company or any Subsidiary, (b) at the discretion of the Administrator, terminations which result in a temporary severance of the employee-employer relationship, and (c) at the discretion of the Administrator, terminations which are followed by the simultaneous establishment of a consulting relationship by the Company or a Subsidiary with the former employee. The Administrator, in its absolute discretion, shall determine the effect of all matters and questions relating to Termination of Employment, including, but not by way of limitation, the question of whether a Termination of Employment resulted from a discharge for good cause, and all questions of whether a particular leave of absence constitutes a Termination of Employment; provided, however, that, with respect to Incentive Stock Options, unless otherwise determined by the Administrator in its discretion, a leave of absence, change in status from an employee to an independent contractor or other change in the employee-employer relationship shall constitute a Termination of Employment if, and to the extent that, such leave of absence, change in status or other change interrupts employment for the purposes of Section 422(a)(2) of the Code and the then applicable regulations and revenue rulings under said Section. Notwithstanding any other provision of the Plan, the Company or any Subsidiary has an absolute and unrestricted right to terminate an Employee's service at any time for any reason whatsoever, with or without cause, except to the extent expressly provided otherwise in writing.

ARTICLE II.

SHARES SUBJECT TO PLAN

2.1 Shares Subject to Plan.

- (a) The shares of stock subject to Awards shall be Common Stock, initially shares of the Company's Common Stock, par value \$.01 per share. The aggregate number of such shares which may be issued upon exercise of such Options or rights or upon any such awards under the Plan shall not exceed 1,900,000. The shares of Common Stock issuable upon exercise of such Options or rights or upon any such awards may be either previously authorized but unissued shares or treasury shares.
- (b) The maximum number of shares which may be subject to Awards, granted under the Plan to any individual in any fiscal year shall not exceed the Award Limit. To the extent required by Section 162(m) of the Code, shares subject to Options which are canceled continue to be counted against the Award Limit.
- 2.2 Add-back of Options and Other Rights. If any Option, or other right to acquire shares of Common Stock under any other Award under the Plan, expires or is canceled without having been fully exercised, or is exercised in whole or in part for cash as permitted by the Plan, the number of shares subject to such Option or other right but as to which such Option or other right was not exercised prior to its expiration, cancellation or exercise may again be optioned, granted or awarded hereunder, subject to the limitations of Section 2.1. Furthermore, any shares subject to Awards which are adjusted pursuant to Section 10.3 and become exercisable with respect to shares of stock of another corporation shall be considered cancelled and may again be optioned, granted or awarded hereunder, subject to the limitations of Section 2.1. Shares of Common Stock which are delivered by the Holder or withheld by the Company upon the

exercise of any Award under the Plan, in payment of the exercise price thereof or tax withholding thereon, may again be optioned, granted or awarded hereunder, subject to the limitations of Section 2.1. If any shares of Restricted Stock are surrendered by the Holder or repurchased by the Company pursuant to Section 7.4 or 7.5 hereof, such shares may again be optioned, granted or awarded hereunder, subject to the limitations of Section 2.1. Notwithstanding the provisions of this Section 2.2, no shares of Common Stock may again be optioned, granted or awarded if such action would cause an Incentive Stock Option to fail to qualify as an incentive stock option under Section 422 of the Code.

24 ARTICLE III.

GRANTING OF AWARDS

- 3.1 Award Agreement. Each Award shall be evidenced by an Award Agreement. Award Agreements evidencing Awards intended to qualify as performance-based compensation as described in Section 162(m)(4)(C) of the Code shall contain such terms and conditions as may be necessary to meet the applicable provisions of Section 162(m) of the Code. Award Agreements evidencing Incentive Stock Options shall contain such terms and conditions as may be necessary to meet the applicable provisions of Section 422 of the Code.
- 3.2 Provisions Applicable to Section 162(m) Participants.
- (a) The Committee, in its discretion, may determine whether an Award is to qualify as performance-based compensation as described in Section 162(m)(4)(C) of the Code.
- (b) Notwithstanding anything in the Plan to the contrary, the Committee may grant any Award to a Section 162(m) Participant, including Restricted Stock the restrictions with respect to which lapse upon the attainment of performance goals which are related to one or more of the Performance Criteria.
- (c) To the extent necessary to comply with the performance-based compensation requirements of Section 162(m)(4)(C) of the Code, with respect to any Award granted under Article VII which may be granted to one or more Section 162(m) Participants, no later than ninety (90) days following the commencement of any fiscal year in question or any other designated fiscal period or period of service (or such other time as may be required or permitted by Section 162(m) of the Code), the Committee shall, in writing, (i) designate one or more Section 162(m) Participants, (ii) select the Performance Criteria applicable to the fiscal year or other designated fiscal period or period of service, (iii) establish the various performance targets, in terms of an objective formula or standard, and amounts of such Awards, as applicable, which may be earned for such fiscal year or other designated fiscal period or period of service and (iv) specify the relationship between Performance Criteria and the performance targets and the amounts of such Awards, as applicable, to be earned by each Section 162(m) Participant for such fiscal year or other designated fiscal period or period of service. Following the completion of each fiscal year or other designated fiscal period or period of service, the Committee shall certify in writing whether the applicable performance targets have been achieved for such fiscal year or other designated fiscal period or period of service. In determining the amount earned by a Section 162(m) Participant, the Committee shall have the right to reduce (but not to increase) the amount payable at a given level of performance to take into account additional factors that the Committee may deem relevant to the assessment of individual or corporate performance for the fiscal year or other designated fiscal period or period of service.
- (d) Furthermore, notwithstanding any other provision of the Plan, any Award which is granted to a Section 162(m) Participant and is intended to qualify as performance-based compensation as described in Section 162(m)(4)(C) of the Code shall be subject to any additional limitations set forth in Section 162(m) of the Code (including any amendment to Section 162(m) of the Code) or any regulations or rulings issued thereunder that are requirements for qualification as performance-based compensation as described in Section 162(m)(4)(C) of the Code, and the Plan shall be deemed amended to the extent necessary to conform to such requirements.
- 3.3 Limitations Applicable to Section 16 Persons. Notwithstanding any other

provision of the Plan, the Plan, and any Award granted or awarded to any individual who is then subject to Section 16 of the Exchange Act, shall be subject to any additional limitations set forth in any applicable exemptive rule under Section 16 of the Exchange Act (including any amendment to Rule 16b-3 of the Exchange Act) that are requirements for the application of such exemptive rule. To the extent permitted by applicable law, the Plan and Awards granted or awarded hereunder shall be deemed amended to the extent necessary to conform to such applicable exemptive rule.

3.4 At-Will Employment. Nothing in the Plan or in any Award Agreement hereunder shall confer upon any Holder any right to continue in the employ of, or as a Consultant for, the Company or any Subsidiary, or shall interfere with or restrict in any way the rights of the Company and any Subsidiary, which are hereby expressly reserved, to

2.5

discharge any Holder at any time for any reason whatsoever, with or without cause, except to the extent expressly provided otherwise in a written employment agreement between the Holder and the Company and any Subsidiary.

ARTICLE IV.

GRANTING OF OPTIONS TO EMPLOYEES AND CONSULTANTS

- 4.1 Eligibility. Any Employee or Consultant selected by the Committee pursuant to Section 4.4(a)(i) shall be eligible to be granted an Option.
- 4.2 Disqualification for Stock Ownership. No person may be granted an Incentive Stock Option under the Plan if such person, at the time the Incentive Stock Option is granted, owns stock possessing more than ten percent (10%) of the total combined voting power of all classes of stock of the Company or any then existing Subsidiary or parent corporation (within the meaning of Section 422 of the Code) unless such Incentive Stock Option conforms to the applicable provisions of Section 422 of the Code.
- 4.3 Qualification of Incentive Stock Options. No Incentive Stock Option shall be granted to any person who is not an Employee.
- 4.4 Granting of Options to Employees and Consultants.
- (a) The Committee shall from time to time, in its absolute discretion, and subject to applicable limitations of the Plan:
- (i) Determine which Employees are key Employees and select from among the key Employees or Consultants (including Employees or Consultants who have previously received Awards under the Plan) such of them as in its opinion should be granted Options;
- (ii) Subject to the Award Limit, determine the number of shares to be subject to such Options granted to the selected key Employees or Consultants;
- (iii)Subject to Section 4.3, determine whether such Options are to be Incentive Stock Options or Non-Qualified Stock Options and whether such Options are to qualify as performance-based compensation as described in Section 162(m)(4)(C) of the Code; and
- (iv) Determine the terms and conditions of such Options, consistent with the Plan; provided, however, that the terms and conditions of Options intended to qualify as performance-based compensation as described in Section 162(m)(4)(C) of the Code shall include, but not be limited to, such terms and conditions as may be necessary to meet the applicable provisions of Section 162(m) of the Code.
- (b) Upon the selection of a key Employee or Consultant to be granted an Option, the Committee shall instruct the Secretary of the Company to issue the Option and may impose such conditions on the grant of the Option as it deems appropriate.
- (c) Any Incentive Stock Option granted under the Plan may be modified by the Committee, with the consent of the Holder, to disqualify such Option from

treatment as an "incentive stock option" under Section 422 of the Code.

ARTICLE V.

TERMS OF OPTIONS

5.1 Option Price. The price per share of the shares subject to each Option granted to Employees and Consultants shall be set by the Committee; provided, however, that such price shall be no less than 85% of the Fair Market Value of a share of Common Stock on the date the Option is granted and:

26

- (a) in the case of Options intended to qualify as performance-based compensation as described in Section 162(m)(4)(C) of the Code, such price shall not be less than 100% of the Fair Market Value of a share of Common Stock on the date the Option is granted;
- (b) in the case of Incentive Stock Options such price shall not be less than 100% of the Fair Market Value of a share of Common Stock on the date the Option is granted (or the date the Option is modified, extended or renewed for purposes of Section 424(h) of the Code); and
- (c) in the case of Incentive Stock Options granted to an individual then owning (within the meaning of Section 424(d) of the Code) more than 10% of the total combined voting power of all classes of stock of the Company or any Subsidiary or parent corporation thereof (within the meaning of Section 422 of the Code), such price shall not be less than 110% of the Fair Market Value of a share of Common Stock on the date the Option is granted (or the date the Option is modified, extended or renewed for purposes of Section 424(h) of the Code).
- 5.2 Option Term. The term of an Option granted to an Employee or consultant shall be set by the Committee in its discretion; provided, however, that, in the case of Incentive Stock Options, the term shall not be more than ten (10) years from the date the Incentive Stock Option is granted, or five (5) years from the date the Incentive Stock Option is granted if the Incentive Stock Option is granted to an individual then owning (within the meaning of Section 424(d) of the Code) more than 10% of the total combined voting power of all classes of stock of the Company or any Subsidiary or parent corporation thereof (within the meaning of Section 422 of the Code). Except as limited by requirements of Section 422 of the Code and regulations and rulings thereunder applicable to Incentive Stock Options, the Committee may extend the term of any outstanding Option in connection with any Termination of Employment or Termination of Consultancy of the Holder, or amend any other term or condition of such Option relating to such a termination.

5.3 Option Vesting

- (a) The period during which the right to exercise, in whole or in part, an Option granted to an Employee or a Consultant vests in the Holder shall be set by the Committee and the Committee may determine that an Option may not be exercised in whole or in part for a specified period after it is granted; provided, however, that, unless the Committee otherwise provides in the terms of the Award Agreement or otherwise, no Option shall be exercisable by any Holder who is then subject to Section 16 of the Exchange Act within the period ending six months and one day after the date the Option is granted. At any time after grant of an Option, the Committee may, in its sole and absolute discretion and subject to whatever terms and conditions it selects, accelerate the period during which an Option granted to an Employee or Consultant vests.
- (b) No portion of an Option granted to an Employee or Consultant which is unexercisable at Termination of Employment or Termination of Consultancy, as applicable, shall thereafter become exercisable, except as may be otherwise provided by the Committee either in the Award Agreement or by action of the Committee following the grant of the Option.
- (c) To the extent that the aggregate Fair Market Value of stock with respect to which "incentive stock options" (within the meaning of Section 422 of the Code, but without regard to Section 422(d) of the Code) are exercisable for the first time by a Holder during any calendar year (under the Plan and all other incentive stock option plans of the Company and any parent or subsidiary corporation, within the meaning of Section 422 of the Code) of the Company,

exceeds \$100,000, such Options shall be treated as Non-Qualified Options to the extent required by Section 422 of the Code. The rule set forth in the preceding sentence shall be applied by taking Options into account in the order in which they were granted. For purposes of this Section 5.3(c), the Fair Market Value of stock shall be determined as of the time the Option with respect to such stock is granted.

5.4 Substitute Awards. Notwithstanding the foregoing provisions of this Article V to the contrary, in the case of an Option that is a Substitute Award, the price per share of the shares subject to such Option may be less than the Fair Market Value per share on the date of grant, provided, that the excess of:

2.7

- (a) the aggregate Fair Market Value (as of the date such Substitute Award is granted) of the shares subject to the Substitute Award; over
 - (b) the aggregate exercise price thereof; does not exceed the excess of;
- (c) the aggregate fair market value (as of the time immediately preceding the transaction giving rise to the Substitute Award, such fair market value to be determined by the Committee) of the shares of the predecessor entity that were subject to the grant assumed or substituted for by the Company; over
 - (d) the aggregate exercise price of such shares.
- 5.5 Termination. In the event of a Holder's Termination of Employment or Termination of Consultancy, such Holder may exercise his or her Option within such period of time as is specified in the Option Agreement to the extent that the Option is vested on the date of termination. If, on the date of termination, the Holder is not vested as to his or her entire Option, the shares covered by the unvested portion of the Option shall immediately cease to be issuable under the Option and shall again become available for issuance under the Plan. If, after termination, the Holder does not exercise his or her Option within the time period specified herein, the Option shall terminate, and the shares covered by such Option shall again become available for issuance under the Plan.

ARTICLE VI.

EXERCISE OF OPTIONS

- 6.1 Partial Exercise. An exercisable Option may be exercised in whole or in part. However, an Option shall not be exercisable with respect to fractional shares and the Administrator may require that, by the terms of the Option, a partial exercise be with respect to a minimum number of shares.
- 6.2 Manner of Exercise. All or a portion of an exercisable Option shall be deemed exercised upon delivery of all of the following to the Secretary of the Company or his office:
- (a) A written notice complying with the applicable rules established by the Administrator stating that the Option, or a portion thereof, is exercised. The notice shall be signed by the Holder or other person then entitled to exercise the Option or such portion of the Option;
- (b) Such representations and documents as the Administrator, in its absolute discretion, deems necessary or advisable to effect compliance with all applicable provisions of the Securities Act and any other federal or state securities laws or regulations. The Administrator may, in its absolute discretion, also take whatever additional actions it deems appropriate to effect such compliance including, without limitation, placing legends on share certificates and issuing stop-transfer notices to agents and registrars;
- (c) In the event that the Option shall be exercised pursuant to Section 10.1 by any person or persons other than the Holder, appropriate proof of the right of such person or persons to exercise the Option; and
- (d) Full cash payment to the Secretary of the Company for the shares with respect to which the Option, or portion thereof, is exercised. However, the Administrator, may in its discretion (i) allow a delay in payment up to thirty (30) days from the date the Option, or portion thereof, is exercised; (ii) allow

payment, in whole or in part, through the delivery of shares of Common Stock which have been owned by the Holder for at least six months, duly endorsed for transfer to the Company with a Fair Market Value on the date of delivery equal to the aggregate exercise price of the Option or exercised portion thereof; (iii) allow payment, in whole or in part, through the surrender of shares of Common Stock then issuable upon exercise of the Option having a Fair Market Value on the date of Option exercise equal to the aggregate exercise price of the Option or exercised portion thereof; (iv) allow payment, in whole or in part, through the delivery of property of any kind which constitutes good and valuable consideration; (v) allow payment, in whole or in part, through the delivery of a full recourse promissory note bearing interest (at no less than such rate as shall then preclude the imputation of interest under the Code) and payable upon such terms as may be prescribed by the Administrator; (vi) allow payment, in whole or in part, through the delivery

2.8

of a notice that the Holder has placed a market sell order with a broker with respect to shares of Common Stock then issuable upon exercise of the Option, and that the broker has been directed to pay a sufficient portion of the net proceeds of the sale to the Company in satisfaction of the Option exercise price, provided that payment of such proceeds is then made to the Company upon settlement of such sale; or (vii) allow payment through any combination of the consideration provided in the foregoing subparagraphs (ii), (iii), (iv), (v) and (vi). In the case of a promissory note, the Administrator may also prescribe the form of such note and the security to be given for such note. The Option may not be exercised, however, by delivery of a promissory note or by a loan from the Company when or where such loan or other extension of credit is prohibited by law.

- 6.3 Conditions to Issuance of Stock Certificates. The Company shall not be required to issue or deliver any certificate or certificates for shares of stock purchased upon the exercise of any Option or portion thereof prior to fulfillment of all of the following conditions:
- (a) The admission of such shares to listing on all stock exchanges on which such class of stock is then listed;
- (b) The completion of any registration or other qualification of such shares under any state or federal law, or under the rulings or regulations of the Securities and Exchange Commission or any other governmental regulatory body which the Administrator shall, in its absolute discretion, deem necessary or advisable;
- (c) The obtaining of any approval or other clearance from any state or federal governmental agency which the Administrator shall, in its absolute discretion, determine to be necessary or advisable;
- (d) The lapse of such reasonable period of time following the exercise of the Option as the Administrator may establish from time to time for reasons of administrative convenience; and
- (e) The receipt by the Company of full payment for such shares, including payment of any applicable withholding tax, which in the discretion of the Administrator may be in the form of consideration used by the Holder to pay for such shares under Section 6.2(d).
- 6.4 Rights as Stockholders. Holders shall not be, nor have any of the rights or privileges of, stockholders of the Company in respect of any shares purchasable upon the exercise of any part of an Option unless and until certificates representing such shares have been issued by the Company to such Holders.
- 6.5 Ownership and Transfer Restrictions. The Administrator, in its absolute discretion, may impose such restrictions on the ownership and transferability of the shares purchasable upon the exercise of an Option as it deems appropriate. Any such restriction shall be set forth in the respective Award Agreement and may be referred to on the certificates evidencing such shares. The Holder shall give the Company prompt notice of any disposition of shares of Common Stock acquired by exercise of an Incentive Stock Option within (a) two years from the date of granting (including the date the Option is modified, extended or renewed for purposes of Section 424(h) of the Code) such Option to such Holder or (b)

one year after the transfer of such shares to such Holder.

6.6 Additional Limitations on Exercise of Options. Holders may be required to comply with any timing or other restrictions with respect to the settlement or exercise of an Option, including a window-period limitation, as may be imposed in the discretion of the Administrator.

ARTICLE VII.

AWARD OF RESTRICTED STOCK

- 7.1 Eligibility. Subject to the Award Limit, Restricted Stock may be awarded to any Employee who the Committee determines is a key Employee or any Consultant who the Committee determines should receive such an Award.
- 7.2 Award of Restricted Stock.

29

- (a) The Committee may from time to time, in its absolute discretion:
- (i) Determine which Employees are key Employees and select from among the key Employees or Consultants (including Employees or Consultants who have previously received other awards under the Plan) such of them as in its opinion should be awarded Restricted Stock; and
- (ii) Determine the purchase price, if any, and other terms and conditions applicable to such Restricted Stock, consistent with the Plan.
- (b) The Committee shall establish the purchase price, if any, and form of payment for Restricted Stock; provided, however, that such purchase price shall be no less than the par value of the Common Stock to be purchased, unless otherwise permitted by applicable state law. In all cases, legal consideration shall be required for each issuance of Restricted Stock.
- (c) Upon the selection of a key Employee or Consultant to be awarded Restricted Stock, the Committee shall instruct the Secretary of the Company to issue such Restricted Stock and may impose such conditions on the issuance of such Restricted Stock as it deems appropriate.
- 7.3 Rights as Stockholders. Subject to Section 7.4, upon delivery of the shares of Restricted Stock to the escrow holder pursuant to Section 7.6, the Holder shall have, unless otherwise provided by the Committee, all the rights of a stockholder with respect to said shares, subject to the restrictions in his Award Agreement, including the right to receive all dividends and other distributions paid or made with respect to the shares; provided, however, that in the discretion of the Committee, any extraordinary distributions with respect to the Common Stock shall be subject to the restrictions set forth in Section 7.4.
- 7.4 Restriction. All shares of Restricted Stock issued under the Plan (including any shares received by holders thereof with respect to shares of Restricted Stock as a result of stock dividends, stock splits or any other form of recapitalization) shall, in the terms of each individual Award Agreement, be subject to such restrictions as the Committee shall provide, which restrictions may include, without limitation, restrictions concerning voting rights and transferability and restrictions based on duration of employment with the Company, Company performance and individual performance; provided, however, that, unless the Committee otherwise provides in the terms of the Award Agreement or otherwise, no share of Restricted Stock granted to a person subject to Section 16 of the Exchange Act shall be sold, assigned or otherwise transferred until at least six months and one day have elapsed from the date on which the Restricted Stock was issued, and provided, further, that, except with respect to shares of Restricted Stock granted to Section 162(m) Participants, by action taken after the Restricted Stock is issued, the Committee may, on such terms and conditions as it may determine to be appropriate, remove any or all of the restrictions imposed by the terms of the Award Agreement. Restricted Stock may not be sold or encumbered until all restrictions are terminated or expire. If no consideration was paid by the Holder upon issuance, a Holder's rights in unvested Restricted Stock shall lapse, and such Restricted Stock shall be surrendered to the Company without consideration, upon Termination of Employment or, if applicable, upon Termination of Consultancy with the Company; provided,

however, that the Committee in its sole and absolute discretion may provide that such rights shall not lapse in the event of a Termination of Employment following a "change of ownership or control" (within the meaning of Treasury Regulation Section 1.162-27(e)(2)(v) or any successor regulation thereto) of the Company or because of the Holder's death or disability; provided, further, except with respect to shares of Restricted Stock granted to Section 162(m) Participants, the Committee in its sole and absolute discretion may provide that no such lapse or surrender shall occur in the event of a Termination of Employment, or a Termination of Consultancy, without cause or following any Change in Control of the Company or because of the Holder's retirement, or otherwise.

7.5 Repurchase of Restricted Stock. The Committee shall provide in the terms of each individual Award Agreement that the Company shall have the right to repurchase from the Holder the Restricted Stock then subject to restrictions under the Award Agreement immediately upon a Termination of Employment or, if applicable, upon a Termination of Consultancy between the Holder and the Company, at a cash price per share equal to the price paid by the Holder for such Restricted Stock; provided, however, that the Committee in its sole and absolute discretion may provide that no such right of repurchase shall exist in the event of a Termination of Employment following a "change of ownership or control" (within the meaning of Treasury Regulation Section 1.162-27(e)(2)(v) or any

30

successor regulation thereto) of the Company or because of the Holder's death or disability; provided, further, that, except with respect to shares of Restricted Stock granted to Section 162(m) Participants, the Committee in its sole and absolute discretion may provide that no such right of repurchase shall exist in the event of a Termination of Employment or a Termination of Consultancy without cause or following any Change in Control of the Company or because of the Holder's retirement, or otherwise.

- 7.6 Escrow. The Secretary of the Company or such other escrow holder as the Committee may appoint shall retain physical custody of each certificate representing Restricted Stock until all of the restrictions imposed under the Award Agreement with respect to the shares evidenced by such certificate expire or shall have been removed.
- 7.7 Legend. In order to enforce the restrictions imposed upon shares of Restricted Stock hereunder, the Committee shall cause a legend or legends to be placed on certificates representing all shares of Restricted Stock that are still subject to restrictions under Award Agreements, which legend or legends shall make appropriate reference to the conditions imposed thereby.
- 7.8 Section 83(b) Election. If a Holder makes an election under Section 83(b) of the Code, or any successor section thereto, to be taxed with respect to the Restricted Stock as of the date of transfer of the Restricted Stock rather than as of the date or dates upon which the Holder would otherwise be taxable under Section 83(a) of the Code, the Holder shall deliver a copy of such election to the Company immediately after filing such election with the Internal Revenue Service.

ARTICLE VIII.

STOCK APPRECIATION RIGHTS

- 8.1 Grant of Stock Appreciation Rights. A Stock Appreciation Right may be granted to any key Employee or Consultant selected by the Committee. A Stock Appreciation Right may be granted (a) in connection and simultaneously with the grant of an Option, (b) with respect to a previously granted Option, or (c) independent of an Option. A Stock Appreciation Right shall be subject to such terms and conditions not inconsistent with the Plan as the Committee shall impose and shall be evidenced by an Award Agreement.
- 8.2 Coupled Stock Appreciation Rights.
- (a) A Coupled Stock Appreciation Right ("CSAR") shall be related to a particular Option and shall be exercisable only when and to the extent the related Option is exercisable.

- (b) A CSAR may be granted to the Holder for no more than the number of shares subject to the simultaneously or previously granted Option to which it is coupled.
- (c) A CSAR shall entitle the Holder (or other person entitled to exercise the Option pursuant to the Plan) to surrender to the Company unexercised a portion of the Option to which the CSAR relates (to the extent then exercisable pursuant to its terms) and to receive from the Company in exchange therefor an amount determined by multiplying the difference obtained by subtracting the Option exercise price from the Fair Market Value of a share of Common Stock on the date of exercise of the CSAR by the number of shares of Common Stock with respect to which the CSAR shall have been exercised, subject to any limitations the Committee may impose.

8.3 Independent Stock Appreciation Rights.

(a) An Independent Stock Appreciation Right ("ISAR") shall be unrelated to any Option and shall have a term set by the Committee. An ISAR shall be exercisable in such installments as the Committee may determine. An ISAR shall cover such number of shares of Common Stock as the Committee may determine; provided, however, that unless the Committee otherwise provides in the terms of the ISAR or otherwise, no ISAR granted to a person subject to Section 16 of the Exchange Act shall be exercisable until at least six months have elapsed from (but excluding) the date on which the Option was granted. The exercise price per share of Common Stock subject to each ISAR shall be set by the Committee. An ISAR is exercisable only while the Holder is an Employee or Consultant;

31

provided that the Committee may determine that the ISAR may be exercised subsequent to Termination of Employment or Termination of Consultancy without cause, or following a Change in Control, or because of the Holder's retirement, death or disability, or otherwise.

- (b) An ISAR shall entitle the Holder (or other person entitled to exercise the ISAR pursuant to the Plan) to exercise all or a specified portion of the ISAR (to the extent then exercisable pursuant to its terms) and to receive from the Company an amount determined by multiplying the difference obtained by subtracting the exercise price per share of the ISAR from the Fair Market Value of a share of Common Stock on the date of exercise of the ISAR by the number of shares of Common Stock with respect to which the ISAR shall have been exercised, subject to any limitations the Committee may impose.
- 8.4 Payment and Limitations on Exercise.
- (a) Payment of the amounts determined under Section 8.2(c) and 8.3(b) above shall be in cash, in Common Stock (based on its Fair Market Value as of the date the Stock Appreciation Right is exercised) or a combination of both, as determined by the Committee. To the extent such payment is effected in Common Stock, it shall be made subject to satisfaction of all provisions of Section 6.3 above pertaining to Options.
- (b) Holders of Stock Appreciation Rights may be required to comply with any timing or other restrictions with respect to the settlement or exercise of a Stock Appreciation Right, including a window-period limitation, as may be imposed in the discretion of the Committee.

ARTICLE IX.

ADMINISTRATION

9.1 Compensation Committee. The Compensation Committee (or another committee or a subcommittee of the Board assuming the functions of the Committee under the Plan) shall consist solely of two or more Independent Directors appointed by and holding office at the pleasure of the Board, each of whom is both a "non-employee director" as defined by Rule 16b-3 and an "outside director" for purposes of Section 162(m) of the Code. Appointment of Committee members shall be effective upon acceptance of appointment. Committee members may resign at any time by delivering written notice to the Board. Vacancies in the Committee may be filled by the Board.

- 9.2 Duties and Powers of Committee. It shall be the duty of the Committee to conduct the general administration of the Plan in accordance with its provisions. The Committee shall have the power to interpret the Plan and the Award Agreements, and to adopt such rules for the administration, interpretation, and application of the Plan as are consistent therewith, to interpret, amend or revoke any such rules and to amend any Award Agreement provided that the rights or obligations of the Holder of the Award that is the subject of any such Award Agreement are not affected adversely. Any such grant or award under the Plan need not be the same with respect to each Holder. Any such interpretations and rules with respect to Incentive Stock Options shall be consistent with the provisions of Section 422 of the Code. In its absolute discretion, the Board may at any time and from time to time exercise any and all rights and duties of the Committee under the Plan except with respect to matters which under Rule 16b-3 or Section 162(m) of the Code, or any regulations or rules issued thereunder, are required to be determined in the sole discretion of the Committee.
- 9.3 Majority Rule; Unanimous Written Consent. The Committee shall act by a majority of its members in attendance at a meeting at which a quorum is present or by a memorandum or other written instrument signed by all members of the Committee.
- 9.4 Compensation; Professional Assistance; Good Faith Actions. Members of the Committee shall receive such compensation, if any, for their services as members as may be determined by the Board. All expenses and liabilities which members of the Committee incur in connection with the administration of the Plan shall be borne by the Company. The Committee may, with the approval of the Board, employ attorneys, consultants, accountants, appraisers, brokers, or other persons. The Committee, the Company and the Company's officers and Directors shall be entitled to rely upon the advice, opinions or valuations of any such persons. All actions taken and all

32

interpretations and determinations made by the Committee or the Board in good faith shall be final and binding upon all Holders, the Company and all other interested persons. No members of the Committee or Board shall be personally liable for any action, determination or interpretation made in good faith with respect to the Plan or Awards, and all members of the Committee and the Board shall be fully protected by the Company with respect to any such action, determination or interpretation.

9.5 Delegation of Authority to Grant Awards. The Committee may, but need not, delegate from time to time some or all of its authority to grant Awards under the Plan to a committee consisting of one or more members of the Committee or of one or more officers of the Company; provided, however, that the Committee may not delegate its authority to grant Awards to individuals (i) who are subject on the date of the grant to the reporting rules under Section 16(a) of the Exchange Act, (ii) who are Section 162(m) Participants or (iii) who are officers of the Company who are delegated authority by the Committee hereunder. Any delegation hereunder shall be subject to the restrictions and limits that the Committee specifies at the time of such delegation of authority and may be rescinded at any time by the Committee. At all times, any committee appointed under this Section 9.5 shall serve in such capacity at the pleasure of the Committee.

ARTICLE X.

MISCELLANEOUS PROVISIONS

10.1 Not Transferable. No Award under the Plan may be sold, pledged, assigned or transferred in any manner other than by will or the laws of descent and distribution or, subject to the consent of the Administrator, pursuant to a DRO, unless and until such Award has been exercised, or the shares underlying such Award have been issued, and all restrictions applicable to such shares have lapsed; provided, however, that the restrictions set forth in the foregoing clause shall not apply to transfers of Non-Qualified Stock Options, Restricted Stock or Stock Appreciation Rights, subject to the consent of the Administrator, by gift of an Option by an Employee to a Permitted Transferee (as defined below) subject to the following terms and conditions: (i) an Option transferred to a Permitted Transferee shall not be assignable or transferable by the Permitted Transferee other than by DRO or by will or the laws of descent and distribution; (ii) any Option which is transferred to a Permitted Transferee shall continue to

be subject to all the terms and considerations of the Option as applicable to the original holder (other than the ability to further transfer the Option); (iii) the Employee and the Permitted Transferee shall execute any and all documents reasonably requested by the Administrator, including, without limitation, documents to (a) confirm the status of the transferee as a Permitted Transferee, (b) satisfy any requirements for an exemption for the transfer under applicable federal and state securities laws and (c) provide evidence of the transfer; (iv) the shares of Common Stock acquired by a Permitted Transferee through exercise of an Option have not been registered under the Securities Act, or any state securities act and may not be transferred, nor will any assignee or transferee thereof be recognized as an owner of such shares of Common Stock for any purpose, unless a registration statement under the Securities Act and any applicable state securities act with respect to such shares shall then be in effect or unless the availability of an exemption from registration with respect to any proposed transfer or disposition of such shares shall be established to the satisfaction of counsel for the Company. As used in this Section 10.1, "Permitted Transferee" shall mean (i) one or more of the following family members of an Employee: spouse, former spouse, child (whether natural or adopted), stepchild, any other lineal descendant of the Employee, (ii) a trust, partnership or other entity established and existing for the sole benefit of, or under the sole control of, one or more of the above family members of the Employee, or (iii) any other transferee specifically approved by the Administrator after taking into account any state or federal tax or securities laws applicable to transferable Options.

No Award or interest or right therein shall be liable for the debts, contracts or engagements of the Holder or his successors in interest or shall be subject to disposition by transfer, alienation, anticipation, pledge, encumbrance, assignment or any other means whether such disposition be voluntary or involuntary or by operation of law, by judgment, levy, attachment, garnishment or any other legal or equitable proceedings (including bankruptcy), and any attempted disposition thereof shall be null and void and of no effect, except to the extent that such disposition is permitted by the preceding sentence.

Unless an Option has been transferred in accordance with this Section 10.1, (i) during the lifetime of the Holder, only he may exercise an Option or other Award (or any portion thereof) granted to him under the Plan unless it has

33

been disposed of pursuant to a DRO, and (ii) after the death of the Holder, any exercisable portion of an Option or other Award may, prior to the time when such portion becomes unexercisable under the Plan or the applicable Award Agreement, be exercised by his personal representative or by any person empowered to do so under the deceased Holder's will or under the then applicable laws of descent and distribution.

- 10.2 Amendment, Suspension or Termination of the Plan. Except as otherwise provided in this Section 10.2, the Plan may be wholly or partially amended or otherwise modified, suspended or terminated at any time or from time to time by the Administrator. However, without approval of the Company's stockholders given within twelve months before or after the action by the Administrator, no action of the Administrator may, except as provided in Section 10.3, increase the limits imposed in Section 2.1 on the maximum number of shares which may be issued under the Plan. No amendment, suspension or termination of the Plan shall, without the consent of the Holder, alter or impair any rights or obligations under any Award theretofore granted or awarded, unless the Award itself otherwise expressly so provides. No Awards may be granted or awarded during any period of suspension or after termination of the Plan, and in no event may any Incentive Stock Option be granted under the Plan after the first to occur of the following events:
- (a) The expiration of ten years from the date the Plan is adopted by the Board; or
- (b) The expiration of ten years from the date the Plan is approved by the Company's stockholders under Section 10.4.
- 10.3 Changes in Common Stock or Assets of the Company, Acquisition or Liquidation of the Company and Other Corporate Events.

- (a) Subject to Section 10.3 (d), in the event that the Administrator determines that any dividend or other distribution (whether in the form of cash, Common Stock, other securities, or other property), recapitalization, reclassification, stock split, reverse stock split, reorganization, merger, consolidation, split-up, spin-off, combination, repurchase, liquidation, dissolution, or sale, transfer, exchange or other disposition of all or substantially all of the assets of the Company, or exchange of Common Stock or other securities of the Company, issuance of warrants or other rights to purchase Common Stock or other securities of the Company, or other similar corporate transaction or event, in the Administrator's sole discretion, affects the Common Stock such that an adjustment is determined by the Administrator to be appropriate in order to prevent dilution or enlargement of the benefits or potential benefits intended to be made available under the Plan or with respect to an Award, then the Administrator shall, in such manner as it may deem equitable, adjust any or all of
- (i) the number and kind of shares of Common Stock (or other securities or property) with respect to which Awards may be granted or awarded (including, but not limited to, adjustments of the limitations in Section 2.1 on the maximum number and kind of shares which may be issued and adjustments of the Award Limit),
- (ii) the number and kind of shares of Common Stock (or other securities or property) subject to outstanding Awards, and
 - (iii) the grant or exercise price with respect to any Award.
- (b) Subject to Sections 10.3(b)(vii) and 10.3(d), in the event of any transaction or event described in Section 10.3(a) or of changes in applicable laws, regulations, or accounting principles, the Administrator, in its sole and absolute discretion, and on such terms and conditions as it deems appropriate, either by the terms of the Award or by action taken prior to the occurrence of such transaction or event and either automatically or upon the Holder's request, is hereby authorized to take any one or more of the following actions whenever the Administrator determines that such action is appropriate in order to prevent dilution or enlargement of the benefits or potential benefits intended to be made available under the Plan or with respect to any Award under the Plan, to facilitate such transactions or events or to give effect to such changes in laws, regulations or principles:
- (i) To provide for either the purchase of any such Award for an amount of cash equal to the amount that could have been attained upon the exercise of such Award or realization of the Holder's rights had such

34

Award been currently exercisable or payable or fully vested or the replacement of such Award with other rights or property selected by the Administrator in its sole discretion;

- (ii) To provide that the Award cannot vest, be exercised or become payable after such event;
- (iii) To provide that such Award shall be exercisable as to all shares covered thereby, notwithstanding anything to the contrary in Section 5.3 or the provisions of such Award;
- (iv) To provide that such Award be assumed by the successor or survivor corporation, or a parent or subsidiary thereof, or shall be substituted for by similar options, rights or awards covering the stock of the successor or survivor corporation, or a parent or subsidiary thereof, with appropriate adjustments as to the number and kind of shares and prices; and
- (v) To make adjustments in the number and type of shares of Common Stock (or other securities or property) subject to outstanding Awards, and in the number and kind of outstanding Restricted Stock and/or in the terms and conditions of, and the criteria included in, outstanding options, rights and awards and options, rights and awards which may be granted in the future.
- (vi) To provide that, for a specified period of time prior to such event, the restrictions imposed under an Award Agreement upon some or all shares of Restricted Stock may be terminated, and some or all shares of such

Restricted Stock may cease to be subject to repurchase under Section 7.5 or forfeiture under Section 7.4 after such event.

- (vii) Notwithstanding any other provision of the Plan, in the event of a Change in Control, each outstanding Award shall, immediately prior to the effective date of the Change in Control, automatically become fully exercisable for all of the shares of Common Stock at the time subject to such rights and may be exercised for any or all of those shares as fully-vested shares of Common Stock.
- (c) Subject to Sections 10.3(d), 3.2 and 3.3, the Administrator may, in its discretion, include such further provisions and limitations in any Award, agreement or certificate, as it may deem equitable and in the best interests of the Company.
- (d) With respect to Awards which are granted to Section 162(m) Participants and are intended to qualify as performance-based compensation under Section 162(m)(4)(C), no adjustment or action described in this Section 10.3 or in any other provision of the Plan shall be authorized to the extent that such adjustment or action would cause such Award to fail to so qualify under Section 162(m)(4)(C), or any successor provisions thereto. No adjustment or action described in this Section 10.3 or in any other provision of the Plan shall be authorized to the extent that such adjustment or action would cause the Plan to violate Section 422(b)(1) of the Code. Furthermore, no such adjustment or action shall be authorized to the extent such adjustment or action would result in short-swing profits liability under Section 16 or violate the exemptive conditions of Rule 16b-3 unless the Administrator determines that the Award is not to comply with such exemptive conditions. The number of shares of Common Stock subject to any Award shall always be rounded to the next whole number.
- (e) Notwithstanding the foregoing, in the event that the Company becomes a party to a transaction that is intended to qualify for "pooling of interests" accounting treatment and, but for one or more of the provisions of this Plan or any Award Agreement would so qualify, then this Plan and any Award Agreement shall be interpreted so as to preserve such accounting treatment, and to the extent that any provision of the Plan or any Award Agreement would disqualify the transaction from pooling of interests accounting treatment (including, if applicable, an entire Award Agreement), then such provision shall be null and void. All determinations to be made in connection with the preceding sentence shall be made by the independent accounting firm whose opinion with respect to "pooling of interests" treatment is required as a condition to the Company's consummation of such transaction.
- (f) The existence of the Plan, the Award Agreement and the Awards granted hereunder shall not affect or restrict in any way the right or power of the Company or the shareholders of the Company to make or authorize any adjustment, recapitalization, reorganization or other change in the Company's capital structure or its business, any

35

merger or consolidation of the Company, any issue of stock or of options, warrants or rights to purchase stock or of bonds, debentures, preferred or prior preference stocks whose rights are superior to or affect the Common Stock or the rights thereof or which are convertible into or exchangeable for Common Stock, or the dissolution or liquidation of the Company, or any sale or transfer of all or any part of its assets or business, or any other corporate act or proceeding, whether of a similar character or otherwise.

10.4 Approval of Plan by Stockholders. The Plan will be submitted for the approval of the Company's stockholders within twelve months after the date of the Board's initial adoption of the Plan. Awards may be granted or awarded prior to such stockholder approval, provided that such Awards shall not be exercisable nor shall such Awards vest prior to the time when the Plan is approved by the stockholders, and provided further that if such approval has not been obtained at the end of said twelve-month period, all Awards previously granted or awarded under the Plan shall thereupon be canceled and become null and void. In addition, if the Board determines that Awards other than Options or Stock Appreciation Rights which may be granted to Section 162(m) Participants should continue to be eligible to qualify as performance-based compensation under Section 162(m)(4)(C) of the Code, the Performance Criteria must be disclosed to and approved by the Company's stockholders no later than the first stockholder

meeting that occurs in the fifth year following the year in which the Company's stockholders previously approved the Performance Criteria.

10.5 Tax Withholding. The Company shall be entitled to require payment in cash or deduction from other compensation payable to each Holder of any sums required by federal, state or local tax law to be withheld with respect to the issuance, vesting, exercise or payment of any Award. The Administrator may in its discretion and in satisfaction of the foregoing requirement allow such Holder to elect to have the Company withhold shares of Common Stock otherwise issuable under such Award (or allow the return of shares of Common Stock) having a Fair Market Value equal to the sums required to be withheld.

10.6 Loans. The Committee may, in its discretion, extend one or more loans to key Employees in connection with the exercise or receipt of an Award granted or awarded under the Plan, or the issuance of Restricted Stock awarded under the Plan. The terms and conditions of any such loan shall be set by the Committee.

10.7 Forfeiture Provisions. Pursuant to its general authority to determine the terms and conditions applicable to Awards under the Plan, the Administrator shall have the right to provide, in the terms of Awards made under the Plan, or to require a Holder to agree by separate written instrument, that (a) (i) any proceeds, gains or other economic benefit actually or constructively received by the Holder upon any receipt or exercise of the Award, or upon the receipt or resale of any Common Stock underlying the Award, must be paid to the Company. and (ii) the Award shall terminate and any unexercised portion of the Award (whether or not vested) shall be forfeited, if (b)(i) a Termination of Employment or Termination of Consultancy occurs prior to a specified date, or within a specified time period following receipt or exercise of the Award, or (ii) the Holder at any time, or during a specified time period, engages in any activity in competition with the Company, or which is inimical, contrary or harmful to the interests of the Company, as further defined by the Administrator or (iii) the Holder incurs a Termination of Employment or Termination of Consultancy for cause.

10.8 Effect of Plan Upon Options and Compensation Plans. The adoption of the Plan shall not affect any other compensation or incentive plans in effect for the Company or any Subsidiary. Nothing in the Plan shall be construed to limit the right of the Company (a) to establish any other forms of incentives or compensation for Employees or Consultants of the Company or any Subsidiary or (b) to grant or assume options or other rights or awards otherwise than under the Plan in connection with any proper corporate purpose including but not by way of limitation, the grant or assumption of options in connection with the acquisition by purchase, lease, merger, consolidation or otherwise, of the business, stock or assets of any corporation, partnership, limited liability company, firm or association.

10.9 Compliance with Laws. The Plan, the granting and vesting of Awards under the Plan and the issuance and delivery of shares of Common Stock and the payment of money under the Plan or under Awards granted or awarded hereunder are subject to compliance with all applicable federal and state laws, rules and regulations (including but not limited to state and federal securities law and federal margin requirements) and to such approvals by any listing, regulatory or governmental authority as may, in the opinion of counsel for the Company, be necessary or advisable in connection therewith. Any securities delivered under the Plan shall be subject to such restrictions, and the person

36

acquiring such securities shall, if requested by the Company, provide such assurances and representations to the Company as the Company may deem necessary or desirable to assure compliance with all applicable legal requirements. To the extent permitted by applicable law, the Plan and Awards granted or awarded hereunder shall be deemed amended to the extent necessary to conform to such laws, rules and regulations.

10.10 Titles. Titles are provided herein for convenience only and are not to serve as a basis for interpretation or construction of the Plan.

10.11 Governing Law. The Plan and any agreements hereunder shall be administered, interpreted and enforced under the internal laws of the State of Delaware without regard to conflicts of laws thereof.

37
I hereby certify that the foregoing Plan was duly adopted by the Board of Directors of Tegal Corporation as of _____ Executed as of the _____ day of _____. Name: Title:

38

THIRD AMENDED AND RESTATED STOCK OPTION PLAN FOR OUTSIDE DIRECTORS OF TEGAL CORPORATION

Tegal Corporation, a Delaware corporation (the "Company"), hereby amends and restates the Second Amended and Restated Stock Option Plan for Outside Directors of Tegal Corporation (as so amended, the "Plan"), incorporating certain amendments adopted by the Board of Directors on September 25, 2001. The Plan was initially adopted by the Board of Directors and the stockholders of the Company on October 1995, with an initial effective date of October 18, 1995. The Plan was amended and restated on July 16, 1998 by the Board of Directors and such amendment was approved by the stockholders on September 15, 1998. The Plan was again amended and restated on July 17, 2001 by the Board of Directors and such amendment was approved by the stockholders on September 25, 2001. The purposes of the Plan are as follows:

- (1) To further the growth, development and financial success of the Company by providing additional incentives to its outside directors who share in the responsibility for the management of the Company's business by assisting them to become owners of common stock of the Company and thus to benefit directly from its growth, development and financial success.
- (2) To enable the Company to obtain and retain the services of the type of outside directors considered essential to the long-range success of the Company by providing and offering them an opportunity to become owners of common stock of the Company.

ARTICLE I

DEFINITIONS

Whenever the following terms are used in the Plan, they shall have the meaning specified below unless the context clearly indicates to the contrary. The masculine pronoun shall include the feminine and neuter and the singular shall include the plural, where the context so indicates.

SECTION 1.1 -- Board

"Board" shall mean the Board of Directors of the Company.

SECTION 1.2 -- Change In Control

"Change in Control" shall mean a change in ownership or control of the Company effected through either of the following transactions:

- (a) any person or related group of persons (other than the Company or a person that directly or indirectly controls, is controlled by, or is under common control with, the Company) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 under the Exchange Act) of securities possessing more than fifty percent (50%) of the total combined voting power of the Company's outstanding securities pursuant to a tender or exchange offer made directly to the Company's stockholders which the Board does not recommend such stockholders to accept; or
- (b) there is a change in the composition of the Board over a period of thirty-six (36) consecutive months (or less) such that a majority of the Board members (rounded up to the nearest whole number) ceases, by reason of one or more proxy contests for the election of Board members, to be comprised of individuals who either (i) have been Board members continuously since the beginning of such period or (ii) have been elected or nominated for election as Board members during such period by at least a majority of the Board members described in clause (i) who were still in office at the time such election or nomination was approved by the Board.

SECTION 1.3 -- Company

"Company" shall mean Tegal Corporation. In addition, "Company" shall mean any corporation assuming, or issuing new stock options in substitution for, Options outstanding under the Plan.

SECTION 1.4 -- Corporate Transaction

"Corporate Transaction" shall mean any of the following stockholder-approved transactions to which the Company is a party:

- (a) a merger or consolidation in which the Company is not the surviving entity, except for a transaction the principal purpose of which is to change the State in which the Company is incorporated, form a holding company or effect a similar reorganization as to form whereupon this Plan and all Options are assumed by the successor entity;
- (b) the sale, transfer or other disposition of all or substantially all of the assets of the Company in complete liquidation or dissolution of the Company in a transaction not covered by the exceptions to clause (a) above; or
- (c) any reverse merger in which the Company is the surviving entity but in which securities possessing more than fifty percent (50%) of the total combined voting power of the Company's outstanding securities are transferred to a person or persons different from those who held such securities immediately prior to such merger.

SECTION 1.5 -- Exchange Act

"Exchange Act" shall mean the Securities Exchange Act of 1934, as amended.

SECTION 1.6 -- Option

"Option" shall mean an option to purchase the Company's common stock, \$0.01 par value, granted under the Plan.

SECTION 1.7 -- Optionee

"Optionee" shall mean an Outside Director to whom an Option is granted under the Plan.

SECTION 1.8 -- Outside Director

"Outside Director" shall mean a member of the Board who is not an employee of the Company, a Parent Corporation or a Subsidiary under Section 3401(c) of the Code and who is not legally or contractually prohibited from receiving and holding personally an Option.

SECTION 1.9 -- Parent Corporation

"Parent Corporation" shall mean any corporation, other than the Company, in an unbroken chain of corporations ending with the Company if, at the time of the granting of the Option, each of the corporations other than the Company owns stock possessing 50% or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

SECTION 1.10 -- Plan

"Plan" shall mean The Third Amended and Restated Stock Option Plan for Outside Directors of Tegal Corporation.

"Rule 16b-3" shall mean that certain Rule 16b-3 under the Exchange Act, including as such Rule may be amended or superseded in the future.

SECTION 1.12 -- Secretary

"Secretary" shall mean the Secretary of the Company.

SECTION 1.13 -- Securities Act

"Securities Act" shall mean the Securities Act of 1933, as amended.

SECTION 1.14 -- Subsidiary

"Subsidiary" shall mean any corporation, other than the Company, in an unbroken chain of corporations beginning with the Company if, at the time of the granting of the Option, each of the corporations other than the last corporation in an unbroken chain owns stock possessing 50% or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

SECTION 1.15 -- Termination Of Directorship

"Termination of Directorship" shall mean the time when an Optionee ceases to be a director of the Company for any reason, including, without limitation, a termination by resignation, failure to be elected, death, disability or retirement. The Board, in its absolute discretion, shall determine the effect of all other matters and questions relating to Termination of Directorship.

ARTICLE II

SHARES SUBJECT TO PLAN

SECTION 2.1 -- Shares Subject To Plan

The shares of stock subject to Options shall be shares of the Company's common stock, \$0.01 par value (the "Common Stock"). The aggregate number of such shares which may be issued upon exercise of Options shall not exceed 600,000.

SECTION 2.2 -- Unexercised Options

If any Option expires or is cancelled without having been fully exercised, the number of shares subject to such Option but as to which such Option was not exercised prior to its expiration or cancellation may again be optioned hereunder, subject to the limitations of Section 2.1.

SECTION 2.3 -- Changes In Company's Shares

In the event that the outstanding shares of Common Stock of the Company are hereafter changed into or exchanged for a different number or kind of shares or other securities of the Company, or of another corporation, by reason of reorganization, merger, consolidation, recapitalization, reclassification, stock split-up, stock dividend or combination of shares, appropriate adjustments shall be made by the Board in the number and kind of shares for the purchase of which Options may thereafter be granted, including adjustments of the limitations in Section 2.1 on the maximum number and kind of shares which may be issued on exercise of Options.

39 ARTICLE III

GRANTING OF OPTIONS

SECTION 3.1 -- Eligibility

Any Outside Director of the Company shall be eligible to be granted Options.

SECTION 3.2 -- Tax Status Of Stock Options

Options granted under the Plan do not qualify as "incentive stock

options" under Section 422 of the Internal Revenue Code of 1986, as amended.

SECTION 3.3 -- Non-Discretionary Grants

- (a) Any person who is not an Outside Director on the Effective Date, but who later becomes an Outside Director, shall be granted on the date of his initial election or appointment as an Outside Director an Option to purchase 20,000 shares of Common Stock.
- (b) Upon full vesting, as described in Section 4.3 (the "Vesting"), of an Option granted to an Outside Director pursuant to Section 3.3(a), each Outside Director shall be granted on the date of such Vesting (so long as he is an Outside Director at the close of business on such date) an Option to purchase an additional 20,000 shares of Common Stock.
- (c) Notwithstanding anything to the contrary, any Outside Director may elect to waive his right to be granted an Option under this Section 3.3 by giving a six month advance written notice of such waiver from the effective date of the Outside Director's right to receive such Option.

SECTION 3.4 -- Discretionary Grants

- (a) The Board shall from time to time, in its absolute discretion, and subject to applicable limitations of the Plan:
 - (i) Select from among the Outside Directors (including Outside Directors who have previously received Options under the Plan) such of them as in its opinion should be granted Options;
 - (ii) Determine the number of shares to be subject to such Options granted to the selected Independent Directors;
 - (iii) Subject to the provisions of Article 4 determine the terms and conditions of such Options, consistent with the Plan.

SECTION 3.5 -- No Option Grant Where Prohibited

No person shall be granted an Option under the Plan if at the time of such grant, the grant is prohibited by applicable law or by the policies of the employer of such person or of any other company of which such person is a member of the board of directors or a general partner.

SECTION 3.6 -- Options in Lieu of Cash Compensation

(a) In addition to those Options referenced in Sections 3.3 and 3.4, each Outside Director may elect to receive all or any portion of his or her Director's Fee either (i) in cash or (ii) in the form of an Option. "Director's Fee" shall mean the amount of compensation set by the Board from time to time and as

40

payable to a Director for services as a Director; but shall not include any fees payable by reason of Committee membership and/or attendance.

(b) In order to receive Director's Fees in the form of an Option in lieu of cash compensation the Outside Director must elect in writing at least six months prior to the date of payment of the Director's Fee (the "Payment Date"). The election shall be irrevocable with respect to the Payment Date for which it is made, and shall remain in effect for a subsequent Payment Date unless revoked in writing at least six months prior to the relevant Payment Date.

ARTICLE IV

TERMS OF OPTIONS

SECTION 4.1 -- Option Agreement

Each Option shall be evidenced by a written Outside Director Stock

Option Agreement, which shall be executed by the Optionee and an authorized officer of the Company and which shall contain such terms and conditions, as the Board shall determine, consistent with the Plan.

SECTION 4.2 -- Option Price

- (a) Unless otherwise provided by the Board and set forth in the Outside Director Stock Option Agreement, the price of the shares of Common Stock subject to each Option shall equal the Fair Market Value of such shares on the date such Option is granted.
- (b) For purposes of the Plan, the "Fair Market Value" of a share of the Common Stock as of a given grant date shall be: (i) the closing price of a share of the Common Stock on the principal exchange on which shares of the Common Stock are then trading, if any, on such grant date, or, if shares were not traded on such grant date, then on the next preceding trading day during which a sale occurred; or (ii) if the Common Stock is not traded on an exchange but is quoted on Nasdag or a successor quotation system, (1) the last reported sales price (if the Common Stock is then quoted on the Nasdaq National Market) or (2) the mean between the closing representative bid and asked prices (in all other cases) for the Common Stock on such grant date as reported by Nasdaq or such successor quotation system; or (iii) if the Common Stock is not publicly traded on an exchange and not quoted on Nasdag or a successor quotation system, the mean between the closing bid and asked prices for the Common Stock, on such grant date, as determined in good faith by the Board; or (iv) if the Common Stock is not publicly traded, the fair market value established by the Board acting in good faith.

SECTION 4.3 -- Commencement of Exercisability

- (a) Subject to Section 4.7, each Option granted pursuant to Section 3.3 shall become exercisable in equal annual installments of 10,000 on each of the first and second anniversaries, respectively, of the date of Option grant.
- (b) Notwithstanding the foregoing, an Outside Director may not exercise an otherwise exercisable Option granted pursuant to Section 3.3 or 3.4 unless such Outside Director attended at least seventy-five percent (75%) of the meetings of the Board during the twelve month period (the "Attendance Period") preceding the date of exercise of the Option; provided, however, that installments of an Option which becomes exercisable prior to the commencement of the Attendance Period shall remain exercisable by the Optionee.
- (c) All Options granted under Section 3.6 will be fully vested and exercisable on the date of Option grant.

41

- (d) At any time after grant of an Option, the Board may, in its sole and absolute discretion and subject to whatever terms and conditions it selects, accelerate the period during which an Option vests.
- (e) No portion of an Option which is unexercisable at Termination of Directorship shall, under any circumstances, thereafter become exercisable.

SECTION 4.4 -- Expiration of Options

Subject to Section 4.7, in the event of the Optionee's Termination of Directorship, such Optionee may exercise his or her Option within such period of time as is specified in the Outside Director Stock Option Agreement to the extent that the Option is vested and exercisable on the date of termination. In no event may an Option be exercised to any extent by anyone after ten years from the date the Option was granted. If, after termination, the Optionee does not exercise his or her Option within the time period specified herein or in the Outside Director Stock Option Agreement, the Option shall terminate and the shares covered by such Option shall again become available for issuance under the Plan.

In consideration of the granting of the Option, the Optionee shall agree, in the written Outside Director Stock Option Agreement, to serve as a Director of the Company until the next annual meeting of the stockholders of the Company. Nothing in this Plan or in any Outside Director Stock Option Agreement hereunder shall confer upon any Optionee any right to continue as a director of the Company.

SECTION 4.6 -- CHANGES IN COMMON STOCK OR ASSETS OF THE COMPANY, ACQUISITION OR LIQUIDATION OF THE COMPANY AND OTHER CORPORATE EVENTS

Subject to Section 4.7, in the event that the Board determines that any dividend or other distribution (whether in the form of cash, Common Stock, other securities, or other property), recapitalization, reclassification, stock split, reverse stock split, reorganization, merger, consolidation, split-up, spin-off, combination, repurchase, liquidation, dissolution, or sale, transfer, exchange or other disposition of all or substantially all of the assets of the Company, or exchange of Common Stock or other securities of the Company, issuance of warrants or other rights to purchase Common Stock or other securities of the Company, or other similar corporate transaction or event, in the Board's sole discretion, affects the Common Stock such that an adjustment is determined by the Board to be appropriate in order to prevent dilution or enlargement of the benefits or potential benefits intended to be made available under the Plan or with respect to an Option, then the Board shall, in such manner as it may deem equitable, adjust any or all of

- (a) the number and kind of shares of Common Stock (or other securities or property) with respect to which Options may be granted or awarded (including, but not limited to, adjustments of the limitations in Section 2.1 on the maximum number and kind of shares which may be issued),
- (b) the number and kind of shares of Common Stock (or other securities or property) subject to outstanding Options, and
 - (c) the exercise price with respect to any Option.

SECTION 4.7 -- Occurrence of a Change in Control or Corporate Transaction

Upon the occurrence of either a Change in Control or a Corporate Transaction, each Option outstanding under the Plan shall be exercisable as to all shares covered thereby, notwithstanding anything to the contrary in Section 4.3(a) or Section 4.3(b). Upon the occurrence of any Change in Control, or upon stockholder approval of any Corporate Transaction, the Company shall promptly provide written notice thereof to each Optionee. No Option may be exercised to any extent after the occurrence of a Corporate Transaction; provided, however, that such termination of exercise rights shall not occur until after the related Corporate Transaction has closed and appropriate arrangements shall be made to permit any Options outstanding to be exercised in connection with such closing.

42 ARTICLE V

EXERCISE OF OPTIONS

SECTION 5.1 -- Person Eligible to Exercise

During the lifetime of the Optionee, only the Optionee may exercise an Option granted to the Optionee, or any portion thereof unless it has been disposed of pursuant to a qualified domestic relations order as defined under the Internal Revenue Code of 1986, as amended, or Title I of the Employee Retirement Income Security Act of 1974, as amended, or the rules thereunder. After the death of the Optionee, any exercisable portion of an Option may, prior to the time when such portion becomes unexercisable under Section 4.4 or Section 4.7, be exercised by the Optionee's personal representative or by any person empowered to do so under the deceased Optionee's will or under the then applicable laws of descent and distribution.

Subject to Section 4.3, at any time and from time to time prior to the time when an exercisable Option or exercisable portion thereof become unexercisable under Section 4.4 or Section 4.7, such Option or portion thereof may be exercised in whole or in part; provided, however, that in no event may an Option be exercised as to less than one hundred (100) shares at any one time, or the remaining shares covered by the Option if less than two hundred (200); provided, further, that the Company shall not be required to issue fractional shares.

SECTION 5.3 -- Manner of Exercise

An exercisable Option, or any exercisable portion thereof, may be exercised solely by delivery to the Secretary or his office of all of the following prior to the time when such Option or such portion becomes unexercisable under Section 4.4 or Section 4.7:

- (a) Notice in writing signed by the Optionee or other person then entitled to exercise such Option or portion thereof, stating that such Option or portion thereof is exercised, such notice complying with any applicable rules established by the Board;
- (b) Full payment for the shares with respect to which such Option or portion thereof is thereby exercised (i) in cash or by check, (ii) with the consent of the Board, in shares of Common Stock held by the Optionee for at least six (6) months with a Fair Market Value equal to the aggregate exercise price of the Option or exercised portion thereof on the date of Option exercise, (iii) with the consent of the Board, in surrendered shares of Common Stock issuable upon the exercise of the Option with a Fair Market Value equal to the aggregate exercise price of the Option or exercised portion thereof on the date of Option exercise, (iv) with the consent of the Board, any combination of the foregoing, or (v) by other means authorized by the Board;
- (c) Such representations and documents as the Board, in its absolute discretion, deems necessary or advisable to effect compliance with all applicable provisions of the Securities Act and any other federal or state securities laws or regulations. The Board may, in its absolute discretion, also take whatever additional actions it deems appropriate to effect such compliance including, without limitation, placing legends on share certificates and issuing stop-transfer orders to transfer agents and registrars; and
- (d) In the event that the Option or portion thereof shall be exercised pursuant to Section 5.1 by any person or persons other than the Optionee, appropriate proof of the right of such person or persons to exercise the Option or portion thereof.

SECTION 5.4 -- Conditions to Issuance of Stock Certificates

The shares of stock issuable and deliverable upon the exercise of an Option, or any portion thereof, may be either previously authorized but unissued shares or issued shares which have then been reacquired by the Company.

43

Such shares shall be fully paid and nonassessable. The Company shall not be required to issue or deliver any certificate or certificates for shares of stock purchased upon the exercise of any Option or portion thereof prior to fulfillment of all of the following conditions:

- (a) The admission of such shares to listing or quotation on all stock exchanges or automated quotation services on which such class of stock is then listed or quoted, as the case may be;
- (b) The completion of any registration or other qualification of such shares under any state or federal law or under the rulings or regulations of the Securities and Exchange Commission or any other governmental regulatory body, which the Board shall, in its absolute discretion, deem necessary or advisable;
- (c) The obtaining of any approval or other clearance from any state or federal governmental agency which the Board shall, in its absolute discretion, determine to be necessary or advisable;

- (d) The payment to the Company of all amounts which it is required to withhold, if any, under federal, state or local law in connection with the exercise of the Option; and
- (e) The lapse of such reasonable period of time following the exercise of the Option as the Board may establish from time to time for reasons of administrative convenience.

SECTION 5.5 -- Rights as Stockholders

The holders of Options shall not be, nor have any of the rights or privileges of, stockholders of the Company in respect of any shares purchasable upon the exercise of any part of an Option unless and until certificates representing such shares have been issued by the Company to such holders.

ARTICLE VI

ADMINISTRATION

SECTION 6.1 -- Duties and Powers of the Board

It shall be the duty of the Board to conduct the general administration of the Plan in accordance with its provisions. The Board shall have the power to interpret the Plan and the Options and to adopt such rules for the administration, interpretation and application of the Plan as are consistent therewith and to interpret, amend or revoke any such rules.

SECTION 6.2 -- Majority Rule

The Board shall act by a majority of its members in office. The Board may act either by vote at a meeting or by a memorandum or other written instrument signed by a majority of the Board.

SECTION 6.3 -- Compensation; Professional Assistance; Good Faith Actions

Members of the Board shall receive no additional compensation for their services under the Plan. All expenses and liabilities incurred by members of the Board in connection with the administration of the Plan shall be borne by the Company. The Board may employ attorneys, consultants, accountants, appraisers, brokers or other persons. The Board and the Company shall be entitled to rely upon the advice, opinions or valuations of any such persons. All actions taken and all interpretations and determinations made by the Board in good faith shall be final and binding upon all Optionees, the Company and any other interested persons. No member of the Board shall be personally liable for any action, determination or interpretation made in good faith with respect to the Plan or the Options, and all members of the Board shall be fully protected by the Company in respect to any such action, determination or interpretation.

44 ARTICLE VII

OTHER PROVISIONS

SECTION 7.1 -- Options Not Transferable

No Option or interest or right therein or part thereof shall be liable for the debts, contracts or engagements of the Optionee or his successors in interest or shall be subject to disposition by transfer, alienation, anticipation, pledge, encumbrance, assignment or any other means whether such disposition be voluntary or involuntary or by operation of law, by judgment, levy, attachment, garnishment or any other legal or equitable proceedings (including, without limitation, bankruptcy), and any attempted disposition thereof shall be null and void and of no effect; provided, however, that nothing in this Section 7.1 shall prevent transfers by will or by the applicable laws of descent and distribution or pursuant to a qualified domestic relations order as defined under the Internal Revenue Code of 1986, as amended, or Title I of the Employee Retirement Income Security Act of 1974, as amended, or the rules thereunder.

SECTION 7.2 -- Amendment, Suspension or Termination of the Plan

- (a) The Plan may be wholly or partially amended or otherwise modified, suspended or terminated at any time or from time to time by the Board. However, unless otherwise determined by the Board and permitted by Rule 16b-3 as then in effect, without approval of the Company's stockholders given within 12 months before or after the action by the Board, no action of the Board may, except as provided in Section 2.3, increase the limits imposed in Section 2.1 on the maximum number of shares which may be issued on exercise of Options, extend the limit imposed in this Section 7.2 on the period during which Options may be granted, or amend or modify the Plan in a manner requiring stockholder approval under Rule 16b-3 or the Code. Neither the amendment, suspension nor termination of the Plan shall, without the consent of the holder of the Option, alter or impair any rights or obligations under any Option theretofore granted.
- (b) The Plan is intended to conform to the extent necessary with all provisions of the Securities Act and the Exchange Act and any and all regulations and rules promulgated by the Securities and Exchange Commission thereunder including, without limitation, Rule 16b-3. Notwithstanding anything herein to the contrary, the Plan shall be administered, and Options shall be granted and may be exercised, only in such a manner as to conform to such laws, rules and regulations. To the extent permitted by applicable law and notwithstanding Section 7.2(a), the Plan and Options granted hereunder shall be deemed amended to the extent necessary to conform to such laws, rules and regulations.
- (c) No Option may be granted during any period of suspension nor after termination of the Plan, and in no event may any Option be granted under the Plan after October 18, 2005.

SECTION 7.3 -- Effective Date; Approval of Plan and Options by Stockholders

The effective date of the Plan shall be the effective date of the Company's initial public offering (the "Effective Date"); provided, however, that the Plan shall be submitted for the approval of the majority of holders of the outstanding Common Stock and the holders of more than 66 2/3% of the outstanding Series A Preferred Stock, Series C Preferred Stock and Series D Preferred Stock of the Company within twelve months after the date of the Board's adoption of the Plan. If such approval is not obtained, the Plan shall have no force or effect. Options may be granted prior to such stockholder approval under the circumstances and to the extent provided in the Plan; provided, however, that Options so granted shall be conditioned upon the stockholders' approval and shall provide that if such approval is not obtained, the Options shall be null and void and of no further force or effect.

SECTION 7.4 -- Effect of Plan Upon Other Option and Compensation Plans

The adoption of the Plan shall not affect any other compensation or incentive plans in effect for directors of the Company. Nothing in the Plan shall be construed to limit the right of the Company to grant or assume options

45

otherwise than under the Plan in connection with any proper corporate purpose, including, without limitation, the grant or assumption of options in connection with the acquisition, by purchase, lease, merger, consolidation or otherwise, of the business, stock or assets of any corporation, firm or association.

SECTION 7.5 -- Notices

Any notice to be given under the terms of the Plan to the Company shall be addressed to the Company in care of its Secretary and any notice to be given to any Optionee shall be addressed to such Optionee at such Optionee's last address as reflected in the Company's records. By a notice given pursuant to this Section 7.5, either party may designate a different address for notices to be given to it, him or her. Any notice which is required to be given to an Optionee, if the Optionee is then deceased, be given to the Optionee's personal representative if such representative has previously informed the Company of his status and address by written notice under this Section 7.5. Any notice shall have been deemed duly given if enclosed in a properly sealed envelope or wrapper addressed as aforesaid at the time it is deposited (with postage prepaid) in a

SECTION 7.6 Titles					
Titles are provided herein for convenience only and are not to serve as a basis for interpretation or construction of the Plan.					
* * * *	* * * * *				
I hereby certify that the foregoing Plan was duly adopted by the Board of Directors of Tegal Corporation as of					
/S/ _					
 Sec:	 retary				

post office or branch post office regularly maintained by the United States Postal Service.

47