

MONOLITHIC SYSTEM TECHNOLOGY INC  
Form S-8  
March 16, 2005

As filed with the Securities and Exchange Commission on March , 2005

**Registration No. 333-**

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, DC 20549

**FORM S-8**

**REGISTRATION STATEMENT UNDER THE  
SECURITIES ACT OF 1933**

**Monolithic System Technology, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**77-0291941**  
(IRS employer identification no.)

**1020 Stewart Drive**  
**Sunnyvale, CA 94085**  
**(408) 731-1800**

(Address of principal executive offices)

**Amended and Restated 2000 Stock Option and Equity Incentive Plan**

**2000 Employee Stock Purchase Plan**

(Full title of the plan)

Mark Voll

Vice President of Finance and Administration and Chief Financial Officer

Monolithic System Technology, Inc.

1020 Stewart Drive

Sunnyvale, CA 94085

(408) 731-1800

(Name and address of agent for service)

#### CALCULATION OF REGISTRATION FEE

Title Of Securities To Be Registered	Amount To Be Registered (1)	Proposed Maximum Offering Price Per Share	Proposed Maximum Aggregate Offering Price	Amount Of Registration Fee (3)
Common Stock, par value \$0.01 per share To be issued upon exercise of options and other awards of common stock granted under the <b>Amended and Restated 2000 Stock Option and Equity Incentive Plan</b>	500,000	\$ 5.58(2)	\$ 2,790,000.00	\$ 328.38
To be issued under the <b>2000 Employee Stock Purchase Plan</b>	100,000	\$ 5.58(2)	\$ 558,000.00	\$ 65.68
<b>TOTAL:</b>			\$ 3,348,000.00	\$ 394.06

(1) Represents additional shares reserved for issuance upon exercise of stock options and other awards of common stock granted under the Registrant's Amended and Restated 2000 Stock Option and Equity Incentive Plan and reserved for issuance under the 2000 Employee Stock Purchase Plan. Shares issuable upon exercise of stock options and other awards of common stock granted under the Registrant's Amended and Restated 2000 Stock Option and Equity Incentive Plan and issuable under the Registrant's 2000 Employee Stock Purchase Plan were originally registered on the Registration Statement on Form S-8 (Registration No. 333-64302) filed with the Securities and Exchange Commission on June 29, 2001, which Registration Statement is incorporated by reference. In addition, pursuant to Rule 416 under the Securities Act of 1933, as amended (the Securities Act), this Registration Statement also covers an indeterminate number of additional shares of common stock that may be offered or issued by reason of stock splits, stock dividends or similar transactions.

(2) Estimated solely for purposes of calculating the amount of the registration fee. The estimate is made pursuant to Rule 457(c) of the Securities Act.

(3) Calculated pursuant to Section 6(b) of the Securities Act.



**INCORPORATION OF DOCUMENTS BY REFERENCE**

The Registrant incorporates by reference into this Registration Statement the Registrant's Registration Statement (Registration No. 333-64302) on Form S-8 filed with the Securities and Exchange Commission on June 29, 2001.

The following documents filed with the Securities and Exchange Commission by the Registrant are incorporated by reference in this registration statement:

1. The Annual Report on Form 10-K for the fiscal year ended December 31, 2004, filed with the Securities and Exchange Commission (the SEC) on March 16, 2005;

In addition, all documents filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934 after the date of this registration statement and prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, are deemed to be incorporated by reference into this registration statement and to be a part hereof from the respective dates of filing of such documents. Any statement contained in this registration statement or in a document incorporated by reference shall be deemed modified or superseded to the extent that a statement contained in any subsequently filed document which also is or is deemed to be incorporated by reference herein or therein modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed to constitute a part hereof, except as so modified or superseded.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the city of Sunnyvale, state of California on March 16, 2005.

MONOLITHIC SYSTEM TECHNOLOGY, INC.

By: /s/ Mark Voll  
 Mark Voll  
 Interim Chief Executive Officer

Each person whose individual signature appears below hereby authorizes and appoints Mark Voll with full power of substitution and resubstitution and full power to act, as his true and lawful attorney-in-fact and agent to act in his name, place and stead and to execute in the name and on behalf of each person, individually and in each capacity stated below, and to file, any and all registration statements relating to the same offering that are to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933, as amended, and to file the same, with all exhibits thereto and other documents in connection therewith, and any and all amendments to this Registration Statement, including any and all post-effective amendments and amendments thereto, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent, full power and authority to do and perform each and every act and thing, ratifying and confirming all that said attorney-in-fact and agent or his substitute or substitutes, may lawfully do or cause to be done by virtue thereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed below by the following persons in the capacities indicated, effective March 16, 2005.

Signature	Title	Date
/s/ Mark Voll Mark Voll	Interim Chief Executive Officer (Principal Executive Officer) and Vice President of Finance and Administration, Chief Financial Officer and Secretary (Principal Financial Officer)	March 16, 2005
/s/Wingyu Leung Wingyu Leung	Director	March 16, 2005
/s/ Carl E. Berg Carl E. Berg	Director	March 16, 2005
/s/ Tommy Eng Tommy Eng	Director	March 16, 2005
/s/ Chi-Ping Hsu Chi-Ping Hsu	Director	March 16, 2005
/s/ James D. Kupec James D. Kupec	Director	March 16, 2005

/s/ Chenming Hu  
Chenming Hu

Director

March 16, 2005

**Exhibit Index**

<b>Exhibit Number</b>	<b>Exhibit Description</b>
4.1*	Specimen Common Stock Certificate
4.2*	Third Amended and Restated Investor Rights Agreement dated September 27, 1997
4.3*	Rights Agreement
5.1	Opinion of Bingham McCutchen LLP
10.4*	Form of Restricted Stock Purchase Agreement
10.5*	2000 Stock Option Plan and form of Option Agreement thereunder
10.5.1****	Amended and Restated 2000 Stock Option and Equity Incentive Plan
10.6**	2000 Employee Stock Purchase Plan and form of Subscription Agreement thereunder, as amended
23.1	Consent of Independent Registered Public Accounting Firm
23.2	Consent of Bingham McCutchen LLP (included in Exhibit 5.1)
24.1	Power of Attorney (included on the signature page hereto)

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\* Incorporated by reference to the Company's Registration Statement on Form S-1 (Registration No. 333-43122), as amended, filed with the Securities and Exchange Commission.

\*\* Incorporated by reference to the Company's Registration Statement on Form S-8 (Registration No. 333-64302) filed with the Securities and Exchange Commission.

\*\*\* Incorporated by reference to Appendix B to the Company's proxy statement on Schedule 14A filed with the Securities and Exchange Commission on October 7, 2004 (Commission File No. 000-32929).