UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Washington, DC

TEMPORARY FORM D

NOTICE OF SALE OF SECURITIES PURSUANT TO REGULATION D, SECTION 4(6), AND/OR UNIFORM LIMITED OFFERING EXEMPTION

1323473

OMB APPROVAL

OMB Number: 3235-0076

Expires: September 30, 2008

Estimated average burden hours per response.........16.00



| Name of Offering (check if this is an amendment and name has changed, and indicate change.) | |
|--|--|
| Subordinated Convertible Promissory Note and Warrant Financing | |
| Filing Under (Check box(es) that apply): Rule 504 Rule 505 Rule 506 Section 4(6) Type of Filing: New Filing Amendment | ULOE |
| A. BASIC IDENTIFICATION DATA | |
| Enter the information requested about the issuer | |
| Name of Issuer (check if this is an amendment and name has changed, and indicate change.) | |
| Maskless Lithography, Inc. | |
| Address of Executive Offices (Number and Street, City, State, Zip Code) 2550 Zanker Road, San Jose, CA 95131 | Telephone Number (Including Area Code) (408) 433-1865 |
| Address of Principal Business Operations (Number and Street, City, State, Zip Code) (if different from Executive Offices) | Telephone Number (Including Area Code) |
| Same as above. | Same as above. |
| Brief Description of Business Electronics and semiconductor/computer hardware. | |
| Type of Business Organization Corporation | lease specify): PROCESSED |
| Actual or Estimated Date of Incorporation or Organization: Month Vear O 4 Actual Estimated Date of Incorporation or Organization: (Enter two-letter U.S. Postal Service abbreviation for State: CN for Canada; FN for other foreign jurisdiction) GENERAL INSTRUCTIONS Note: This is a special Temporary Form D (17 CFR 239.500T) that | THOMSON RELITEDS |
| CFR 239.500) only to issuers that file with the Commission a notice on Temporary Form D (17 CFG 2 paper format on or after September 15, 2008 but before March 16, 2009. During that period, an issuer using Form D (17 CFG 239.500) but, if it does, the issuer must file amendments using Form D (17 CF requirements of §230.503T. Federal: | 39.500T) or an amendment to such a notice in also may file in paper format an initial notice |
| Who Must File: All issuers making an offering of securities in reliance on an exemption under Regulation I | O or Section 4(6), 17 CFR 230.501 et seq. or 15 |
| U.S.C. 77d(6). When To File: A notice must be filed no later than 15 days after the first sale of securities in the off Securities and Exchange Commission (SEC) on the earlier of the date it is received by the SEC at the add after the date on which it is due, on the date it was mailed by United States registered or certified mail to t Where To File: U.S. Securities and Exchange Commission, 450 Fifth Street, N.W., Washington, D.C. 205 Copies Required: Two (2) copies of this notice must be filed with the SEC, one of which must be manual. | lress given below or, if received at that address hat address. 49. |
| be a photocopy of the manually signed copy or bear typed or printed signatures. | my signed. The copy not manually signed must |
| Information Required: A new filing must contain all information requested. Amendments need only re changes thereto, the information requested in Part C, and any material changes from the information previous Appendix need not be filed with the SEC. Filing Fee: There is no federal filing fee. State: | |
| This notice shall be used to indicate reliance on the Uniform Limited Offering Exemption (ULOE) for adopted ULOE and that have adopted this form. Issuers relying on ULOE must file a separate notice where sales are to be, or have been made. If a state requires the payment of a fee as a precondition to the amount shall accompany this form. This notice shall be filed in the appropriate states in accordance constitutes a part of this notice and must be completed. | with the Securities Administrator in each state ne claim for the exemption, a fee in the proper |
| ATTENTION | |

Failure to file notice in the appropriate states will not result in a loss of the federal exemption. Conversely, failure to file the appropriate federal notice will not result in a loss of an available state exemption unless such exemption is predicated on the

filing of a federal notice.

| | | A. BASIC IDE | INTIFICATION DATA | | |
|---|-----------------------|---|---|-------------------|---|
| 2. Enter the information r | equested for the f | ollowing: | | | |
| Each promoter of | the issuer, if the is | suer has been organized w | vithin the past five years; | | |
| Each beneficial ow | ner having the pow | er to vote or dispose, or dire | ect the vote or disposition of | f, 10% or more of | a class of equity securities of the issuer. |
| | | | corporate general and man | aging partners of | partnership issuers; and |
| Each general and | managing partner | of partnership issuers. | | | |
| Check Box(es) that Apply: | Promoter | Beneficial Owner | Executive Officer | Director | General and/or Managing Partner |
| Full Name (Last name first, it Chang, Anthony | individual) | 7 | | | |
| Business or Residence Addr c/o TL Ventures, 435 D | | | | | |
| Check Box(es) that Apply: | Promoter | Beneficial Owner | Executive Officer | Director | General and/or Managing Partner |
| Full Name (Last name first, Elder, William W.R. | if individual) | | | | |
| Business or Residence Addr c/o Maskless Lithograp | | | | | |
| Check Box(es) that Apply: | Promoter | Beneficial Owner | Executive Officer | Director | General and/or Managing Partner |
| Full Name (Last name first, Fu, Winston | if individual) | | | | - |
| Business or Residence Addr c/o U.S. Venture Partne | • | - · · · · · · · · · · · · · · · · · · · | , | | |
| Check Box(es) that Apply: | Promoter | Beneficial Owner | Executive Officer | Director | General and/or Managing Partner |
| Full Name (Last name first, Meisburger, William D. | | | | | |
| Business or Residence Addr c/o Maskless Lithograp | , | | • | | |
| Check Box(es) that Apply: | Promoter | Beneficial Owner | Executive Officer | Director | General and/or Managing Partner |
| Full Name (Last name first, Rosati, Mario M. | if individual) | · · · · · · · · · · · · · · · · · · · | | | |
| Business or Residence Addr c/o Wilson Sonsini Good | • | • | , | 304 | - |
| Check Box(es) that Apply: | Promoter | Beneficial Owner | Executive Officer | Director | General and/or Managing Partner |
| Full Name (Last name first, Clark, David J. | if individual) | · 10/10 ti | , | | |
| Business or Residence Addr c/o Maskless Lithograp | | | • | | |
| Check Box(es) that Apply: | Promoter | Beneficial Owner | Executive Officer | ☐ Director | General and/or Managing Partner |
| Full Name (Last name first, Litrus, Chen C. | if individual) | -···· | | | |
| Business or Residence Addr c/o Maskless Lithograph | • | | • | | |

| A. BASIC IDENTIFICATION DATA | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| 2. Enter the information requested for the following: | | | | | | | | | |
| Each promoter of the issuer, if the issuer has been organized within the past five years; | | | | | | | | | |
| • Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer. | | | | | | | | | |
| Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and | | | | | | | | | |
| Each general and managing partner of partnership issuers. | | | | | | | | | |
| Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner | | | | | | | | | |
| Full Name (Last name first, if individual) Moore, Warren H. | | | | | | | | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) c/o Maskless Lithography, Inc., 2550 Zanker Road, San Jose, CA 95131 | | | | | | | | | |
| Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or | | | | | | | | | |
| Full Name (Last name first, if individual) Simmons, Richard R. | | | | | | | | | |
| | | | | | | | | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) c/o Maskless Lithography, Inc., 2550 Zanker Road, San Jose, CA 95131 | | | | | | | | | |
| Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner | | | | | | | | | |
| Full Name (Last name first, if individual) U.S. Venture Partners IX, L.P. | | | | | | | | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | | | | | | | | |
| c/o U.S. Venture Partners, 2735 Sand Hill Road, Menlo Park, CA 94025 | | | | | | | | | |
| Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner | | | | | | | | | |
| Full Name (Last name first, if individual) TL Ventures and affiliated funds | | | | | | | | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | | | | | | | | |
| c/o TL Ventures, 435 Devon Park Drive, Building 700, Wayne, PA 19087 | | | | | | | | | |
| Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner | | | | | | | | | |
| Full Name (Last name first, if individual) | | | | | | | | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | | | | | | | | |
| business of Residence Address (Number and Street, City, State, Zip Code) | | | | | | | | | |
| Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner | | | | | | | | | |
| Full Name (Last name first, if individual) | | | | | | | | | |
| | | | | | | | | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | | | | | | | | |
| Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner | | | | | | | | | |
| Full Name (Last name first, if individual) | | | | | | | | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | | | | | | | | |

| B. INFORMATION ABOUT OFFERING | | |
|---|----------------|-------------|
| | Yes | No No |
| 1. Has the issuer sold, or does the issuer intend to sell, to non-accredited investors in this offering? | | \boxtimes |
| Answer also in Appendix, Column 2, if filing under ULOE. | | |
| 2. What is the minimum investment that will be accepted from any individual? | \$ <u>N/A</u> | |
| Does the offering permit joint ownership of a single unit? Enter the information requested for each person who has been or will be paid or given, directly or indirectly, at commission or similar remuneration for solicitation of purchasers in connection with sales of securities in the offering. If a person to be listed is an associated person or agent of a broker or dealer registered with the SEC and/with a state or states, list the name of the broker or dealer. If more than five (5) persons to be listed are associated. | ny ne or | No |
| persons of such a broker or dealer, you may set forth the information for that broker or dealer only. | zu | |
| Full Name (Last name first, if individual) | | |
| N/A | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | |
| Name of Associated Broker or Dealer | | |
| States in Which Person Listed Has Solicited or Intends to Solicit Purchasers (Check "All States" or check individual States) | | All States |
| | GA HI | ID |
| | MN MS | МО |
| | OK OR | PA |
| RI SC SD TN TX UT VT VA WA WV Full Name (Last name first, if individual) | wiwy | PR |
| N/A | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | |
| Name of Associated Broker or Dealer | | |
| States in Which Person Listed Has Solicited or Intends to Solicit Purchasers (Check "All States" or check individual States) | | All States |
| MAL MAK MAZ MAR MCA MCO MCT MDE MDC MFL M | GA HI | □ID |
| | GA HI MN MS | МО |
| | OK OR | PA |
| | wi | PR |
| Full Name (Last name first, if individual) | ,,, | |
| N/A | | |
| Business or Residence Address (Number and Street, City, State, Zip Code) | | |
| Name of Associated Broker or Dealer | , . | ··· |
| States in Which Person Listed Has Solicited or Intends to Solicit Purchasers (Check "All States" or check individual States) | | All States |
| | gahi | |
| IL IN IA KS KY LA ME MD MA MI | MN MS | Шмо |
| MT NE NV NH NJ NM NY NC ND OH | ok 🔲 or | PA |
| RI SC SD TN TX UT VT VA WA WV | wi 🔲wy | PR |

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS

| 1. | Enter the aggregate offering price of securities included in this offering and the total amount already sold. Enter "0" if the answer is "none" or "zero." If the transaction is an exchange offering, check this box \(\subseteq \) and indicate in the columns below the amounts of the securities offered for exchange and already exchange and | | | |
|----|--|--------------------------|-----------|----------------------------|
| | Type of Security | Aggregate Offering Price | | Amount Already Sold |
| | | - | | |
| | Debt\$ | | _ | |
| | Equity\$ | | \$. | |
| | Common Preferred | | | |
| • | Convertible Securities (including warrants) | 400.00 | \$_ | 200.00 |
| | Partnership Interests\$ | | \$_ | |
| | Other (Specify)\$ | | \$_ | |
| | Total\$ | 4,000,400.00 | \$_ | 2,000,200.00 |
| | Answer also in Appendix, Column 3, if filing under ULOE. | | | |
| 2. | Enter the number of accredited and non-accredited investors who have purchased securities in this offering and the aggregate dollar amounts of their purchases. For offerings under Rule 504, indicate the number of persons who have purchased securities and the aggregate dollar amount of their purchases on the total lines. Enter "0" if answer is "none" or "zero." | | | Aggregate |
| | | Number Investors | | Dollar Amount of Purchases |
| | Accredited Investors | 3 | \$ | 2,000,200.00 |
| | Non-accredited Investors | | \$ | i |
| | Total (for filings under Rule 504 only) | | \$ | |
| | Answer also in Appendix, Column 4, if filing under ULOE. | | | |
| 3. | If this filing is for an offering under Rule 504 or 505, enter the information requested for all securities sold by the issuer, to date, in offerings of the types indicated, in the twelve (12) months prior to the first sale of securities in this offering. Classify securities by type listed in Part C — Question 1. | | | |
| | | Type of | | Dollar Amount |
| | Type of Offering | Security | | Sold |
| | Rule 505 | | \$ | |
| | Regulation A | | \$ | |
| | Rule 504 | | \$ | |
| | Total | | \$ | |
| 4 | a. Furnish a statement of all expenses in connection with the issuance and distribution of the securities in this offering. Exclude amounts relating solely to organization expenses of the insurer. The information may be given as subject to future contingencies. If the amount of an expenditure is not known, furnish an estimate and check the box to the left of the estimate. | | | |
| | Transfer Agent's Fees | | \$ | |
| | Printing and Engraving Costs | _ | - | |
| | Legal Fees | _ | | 15,000.00 |
| | Accounting Fees | | - | 15,500.00 |
| | Engineering Fees | _ | | |
| | Sales Commissions (specify finders' fees separately) | = | | |
| | Other Expenses (identify) Blue sky filing fees | | \$. \$ | <u> </u> |
| | Total | | | 15 820.00 |

| | b. Enter the difference between the aggregate offering price given in response to Part C — Question 1 and total expenses furnished in response to Part C — Question 4.a. This difference is the "adjusted gross proceeds to the issuer." | | \$ <u>3,984,580.00</u> |
|----|--|--|--|
| 5. | Indicate below the amount of the adjusted gross proceed to the issuer used or proposed to be used for each of the purposes shown. If the amount for any purpose is not known, furnish an estimate and check the box to the left of the estimate. The total of the payments listed must equal the adjusted gross proceeds to the issuer set forth in response to Part C — Question 4.b above. | | |
| | | Payments to Officers, Directors, & Affiliates | Payments to Others |
| | Salaries and fees. |] \$ | s |
| | Purchase of real estate |] \$ | s |
| • | Purchase, rental or leasing and installation of machinery and equipment | ٦ و | |
| | Construction or leasing of plant buildings and facilities | | |
| | | _ | |
| | Acquisition of other businesses (including the value of securities involved in this offering that may be used in exchange for the assets or securities of another | _ | _ |
| | issuer pursuant to a merger) | <u>]</u> \$ | _ 🔲 \$ |
| | | | |
| | Working capital | _ | |
| | Other (specify): | _] \$ | _ 🗆 \$ |
| | | ٦s | □ \$ |
| | Column Totals | | |
| | Total Payments Listed (column totals added) | ⊠ s_ | 3,984,580.000 |
| | D. FEDERAL SIGNATURE | , 17 a i. i. | |
| ig | e issuer has duly caused this notice to be signed by the undersigned duly authorized person. If this notice in nature constitutes an undertaking by the issuer to furnish to the U.S. Securities and Exchange Commiss information furnished by the issuer to any non-accredited investor pursuant to paragraph (b)(2) of Ru | ion, upon writte | ale 505, the following in request of its staff, |
| | | Date September 29, | 2008 |
| | | | |

- ATTENTION -

Intentional misstatements or omissions of fact constitute federal criminal violations. (See 18 U.S.C. 1001.)

| | | E. STATE SIGNATURE | | |
|--------|--|--|---|-----|
| 1. | * * · | 0.262 presently subject to any of the disqua | | |
| | - | See Appendix, Column 5, for state resp | ponse. | |
| 2. | The undersigned issuer hereby under D (17 CFR 239.500) at such times a | | any state in which this notice is filed a notice on Fo | orn |
| 3. | The undersigned issuer hereby unde issuer to offerees. | rtakes to furnish to the state administrators, | upon written request, information furnished by | the |
| 4. | limited Offering Exemption (ULOE) | | that must be satisfied to be entitled to the Uniformular understands that the issuer claiming the availabile satisfied. | |
| | uer has read this notification and knows thorized person. | the contents to be true and has duly caused th | is notice to be signed on its behalf by the undersig | mec |
| | (Print or Type) ess Lithography, Inc. | Signature | Date September 29, 2008 | |
| Name o | of Signer (Print or Type) | Litle of Signer (Print or Type) | · | |

Assistant Secretary

Instruction:

John L. Slebir

Print the name and title of the signing representative under his signature for the state portion of this form. One copy of every notice on Form D must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.

APPENDIX

| 1 | | 2 | 3 | | | 4 | | | 5 ification |
|-------|----------------------|---|--|--------------------------------------|--|---|---------------------------------------|---|----------------|
| | to non-a | I to sell accredited as in State a-Item 1) | Type of security and aggregate offering price offered in state (Part C-Item 1) | | Type of investor and amount purchased in State (Part C-Item 2) | | | | |
| State | Yes | No | | Number of Accredited Investors | Accredited Non- Accredited | | | | No |
| AL | | | | | | | | | |
| AK | | | | | | | | | |
| AZ | | | | | | | | | |
| AR | | | | | | | | | |
| СА | | х | Notes and Warrants (\$4,000,400.00) | 1 | \$1,000,100.00 | | | | х |
| СО | | | | | | | | | |
| СТ | | | | | | | | | |
| DE | | | | | | | | | |
| DC | | | | | | | | | |
| FL | | | | | | | | | |
| GA | | | | | | | | , | |
| HI | | | | | | | | | : |
| ID | | | | | | | | | |
| IL | | | | | | | | | |
| IN | | | | | | | | | |
| ΙΑ | | | | | | | _ | | |
| KS | <u>-</u> | | | | | | | | |
| KY | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| LA | | | | | | | | | |
| ME | | | | | | | | | |
| MD | | | | | | | | | |
| MA | | | | | | | | | · |
| MI | | | | | | | | | |
| MN | | | | | | | | | |

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APPENDIX

| 1 | | 2 | 3 | | | 4 | | 1 | 5 ification |
|-------|-------------------|--|--|--------------------------------------|--|---|--------|-----|----------------|
| | to non-a investor | to sell ccredited s in State -Item 1) | Type of security and aggregate offering price offered in state (Part C-Item 1) | | Type of investor and amount purchased in State (Part C-Item 2) | | | | |
| State | Yes | No | | Number of Accredited Investors | Amount | Number of Non- Accredited Investors | Amount | Yes | No |
| MS | | | | | | | | | |
| МО | | | | | | | | | |
| мт | | | | | | | | | |
| NE | | | | | | | | | |
| NV | | | | | - | , | | | |
| NH | | | | | | | | | |
| NJ | | | | | | | | | |
| NM | | | | | | | | | |
| NY | | | | | | | | | |
| NC | | | | | | | | | |
| ND | | | | | | | • | | |
| ОН | | | | | | | | | |
| ОК | | | | | | | | | |
| QR | | | | | | | | | |
| PA | | X | Notes and Warrants (\$4,000,400.00) | 1 | \$1,000,100.00 | | | | X |
| RI | | | | | | | | | |
| sc | | | | | | | | | |
| SD | | | | | | | | | |
| TN | | | | | | | | | |
| TX | | | | | | | | | |
| UT | | - | | | | | | | |
| VT | | | | , | | | | | |
| VA | | | | | | | | | |
| WA | | | | | | | | | |

| | | | | APP | ENDIX | | | | | |
|-------|---------|---|--|--|--------|---|--------|-----|----|--|
| 1 | | 2 | 5 | | | | | | | |
| | to non- | d to sell accredited rs in State 3-Item 1) | Type of security and aggregate offering price offered in state (Part C-Item 1) | Type of investor and amount purchased in State (Part C-Item 2) | | amount purchased in State | | | | |
| State | Yes | No | | Number of Accredited Investors | Amount | Number of Non- Accredited Investors | Amount | Yes | No | |
| wv | | | | | | | | | | |
| WI | | | | | | | | | | |
| WY | | | | | | | | | | |
| PR | | | | | | | | | | |

