UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported	March 12, 2007
	STEREOTAXIS, INC.
(Exact Name	of Registrant as Specified in Its Charter)
	Delaware
(State o	Other Jurisdiction of Incorporation)
000-50884	94-3120386
(Commission File Number)	(IRS Employer Identification No.)
4320 Forest Park Avenue, St. Louis, Missouri	63108
(Address of Principal Executive Offi	es) (Zip Code)
	(314) 678-6100
(Registrant's	Celephone Number, Including Area Code)
(Former Name or	ormer Address, if Changed Since Last Report)
	Form 8-K filing is intended to simultaneously satisfy the filing owing provisions (<i>see</i> General Instruction A.2. below):
O Written communications purs	aant to Rule 425 under the Securities Act (17 CFR 230.425)
o Soliciting material pursuant to	Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
O Pre-commencement commun 2(b))	cations pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.1
O Pre-commencement commun	cations pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.1

Item 1.01. Entry into a Material Definitive Agreement

On March 12, 2007, Stereotaxis, Inc. (the "Company") entered into a Third Loan Modification Agreement with Silicon Valley Bank. This Third Loan Modification Agreement retains substantially all of the same terms and conditions as the Second Loan Modification, which was in effect at December 31, 2006, but increases the maximum borrowing capacity to \$25 million, an increase of \$15 million, and provides for an additional \$2 million in equipment advances to be drawn prior to June 30, 2007. In the event the Company's quick asset ratio (as defined in the agreement) falls below 1.75 to 1, the Company would be required to meet certain operating performance covenants. The maturity date of the revolving line of credit under the Third Loan Modification Agreement is extended to March 2009 and the interest rate is adjusted to the lender's prime rate plus either 0.25% or 0.75%, depending on a defined liquidity measure.

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 hereunto duly authorized.

STEREOTAXIS, INC.

Date: March 14, 2007 By: /s/ James M. Stolze

Name: James M. Stolze

Title: Vice President and Chief Financial

Officer