UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 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): MAY 1, 2008

OSI SYSTEMS, INC. (EXACT NAME OF REGISTRANT AS SPECIFIED IN ITS CHARTER)

CALIFORNIA (STATE OR OTHER JURISDICTION OF INCORPORATION)

000-23125 (COMMISSION FILE NUMBER)

330238801 (IRS EMPLOYER IDENTIFICATION NO.)

12525 CHADRON AVENUE **HAWTHORNE, CA 90250** (ADDRESS OF PRINCIPAL EXECUTIVE OFFICES) (ZIP CODE)

(310) 978-0516 (REGISTRANT'S TELEPHONÉ NUMBER, INCLUDING AREA CODE)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition.

On May 1, 2008, we issued a press release announcing our financial results for the third quarter and first nine months of fiscal 2008. A copy of the press release is attached hereto as Exhibit 99.1 and incorporated herein in its entirety by this reference.

We are furnishing the information contained in this Item 2.02 (including Exhibit 99.1). It shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section, nor shall it be deemed to be incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit 99.1: Press Release of OSI Systems, Inc., dated May 1, 2008.

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.

OSI SYSTEMS, INC.

Date: MAY 1, 2008

By: /s/ Alan Edrick

Alan Edrick

Chief Financial Officer

EXHIBIT INDEX

Exhibit <u>Number</u>

99.1

Description

Press Release of OSI Systems, Inc., dated May 1, 2008.

OSI Systems Reports Third Quarter Fiscal 2008 Financial Results

- Third Quarter Revenues Increased 24% Year Over Year to \$156.7 Million
- Significant Growth in Earnings Per Share

HAWTHORNE, Calif.--(BUSINESS WIRE)--OSI Systems, Inc. (NASDAQ:OSIS), a vertically integrated provider of specialized electronics products for critical applications in the Security and Healthcare industries, today announced financial results for its third quarter and nine months ended March 31, 2008.

The Company reported revenues of \$156.7 million for the third quarter of fiscal 2008, an increase of 24% from the \$126.5 million reported for the third quarter of fiscal 2007. Net income for the third quarter of fiscal 2008 was \$6.9 million, or \$0.39 per diluted share, compared to net income of \$3.6 million, or \$0.21 per diluted share, for the third quarter of fiscal 2007.

For the nine months ended March 31, 2008, the Company reported record revenues of \$451.9 million, an increase of 19%, from the \$379.5 million for the first nine months of fiscal 2007. Net income for the first nine months of fiscal 2008 was \$8.3 million, or \$0.47 per diluted share, compared to a net loss of (\$23.0) million, or (\$1.37) per diluted share, for the first nine months of fiscal 2007.

The results for the three and nine months ended March 31, 2008 and the prior comparable periods of fiscal 2007 include the following non-recurring items:

- The three and nine months ended March 31, 2008, were favorably impacted by a \$4.3 million tax benefit associated with the repurchase of the minority interest in Spacelabs Healthcare. The third quarter results of fiscal 2007 were favorably impacted by a gain of \$15 million, recorded as other income, resulting from a settlement with GE regarding the Company's acquisition of Spacelabs Medical in fiscal 2004.
- During the three and nine months ended March 31, 2008, the Company incurred impairment, restructuring and other charges of \$1.2 million and \$3.4 million, respectively, compared to \$2.2 million and \$34.1 million for the comparable periods of fiscal 2007. The \$34.1 million includes \$10.3 million of inventory reserves which was recorded in cost of goods sold.

Excluding the impact of these items, net income for the third quarter of fiscal 2008 would have been approximately \$3.7 million or \$0.20 per diluted share compared to a net loss of \$(3.3) million or \$(0.19) per diluted share for the third quarter of fiscal 2007 and net income for the first nine months of fiscal 2008 would have been approximately \$6.5 million, or \$0.37 per diluted share compared to a net loss of \$(8.7) million or \$(0.52) per diluted share for the comparable period of fiscal 2007. These non-GAAP figures are provided to allow for the comparison of underlying earnings, net of non-recurring charges, providing insight into the ongoing operations of the Company.

Deepak Chopra, OSI Systems' Chairman and CEO, stated, "We are pleased with the strong financial performance this quarter and believe that the changes we have made over the past 18 months, as evidenced in today's results, have created a strong foundation from which we can drive future earnings growth. Our top line continues to demonstrate strong growth and we expect this momentum to continue as our sales pipeline for both Security and Healthcare remain robust. We remain on track to fully implement the \$7 to \$8 million of previously announced cost savings."

As of March 31, 2008, the Company's backlog was \$219 million compared to \$232 million as of December 31, 2007. The Company had positive operating cash flow of \$4.7 million for the third quarter of fiscal 2008, and capital expenditures in the period were \$2.9 million.

Company Outlook

Subject to the risk factors referenced in the Safe Harbor section of this press release, the Company reaffirms its previously published earnings guidance for fiscal 2008 of \$0.65 to \$0.77 per diluted share. Earnings guidance excludes the aforementioned impact of impairment, restructuring and other charges, and a one-time tax benefit recorded in the third quarter of fiscal 2008.

Conference Call Information

OSI Systems, Inc. will host a conference call and simultaneous webcast over the Internet beginning at 9:00 a.m. PDT (12:00 p.m. EDT), today to discuss its results for the third quarter and first nine months of fiscal 2008. To listen, please log on to www.osi-systems.com and follow the link that will be posted on the front page. A replay of the webcast will be available shortly after the conclusion of the conference call until May 15, 2008. The replay can either be accessed through the Company's website, www.osi-systems.com, or via telephonic replay by calling 1-888-286-8010 and entering the conference call identification number '50760188' when prompted for the replay code.

About OSI Systems, Inc.

OSI Systems, Inc. is a vertically integrated designer and manufacturer of specialized electronic systems and components for critical applications. The Company sells its products in diversified markets, including homeland security, healthcare, defense and aerospace. The Company has more than 30 years of experience in electronics engineering and manufacturing and maintains offices and production facilities located in more than a dozen countries. It implements a strategy of expansion by leveraging its electronics and contract manufacturing capabilities into selective end product markets through organic growth and acquisitions. For more information on OSI Systems Inc. or any of its subsidiary companies, visit www.osi-systems.com.

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include information regarding the Company's expectations, goals or intentions about the future, including, the Company's predictions about the size and effect of its cost-cutting measures, steps being taken to improve profitability and future revenues. The actual results may differ materially from those described in or implied by any forward-looking statement. In particular, there can be no assurance that cost-cutting measures will ultimately result in savings that are in line with current expectations, that the Company will achieve profitability or that future revenues predictions will ultimately prove accurate. Other important factors are set forth in our Securities and Exchange Commission filings. All forward-looking statements speak only as of the date made, and we undertake no obligation to update these forward-looking statements.

OSI SYSTEMS, INC. AND SUBSIDIARIES

Condensed Consolidated Statements of Operations (in thousands, except share and per share data)

	Three Months Ended March 31,				Nine Months Ended March 31,			
	2007		2008		2007		2008	
Revenues Cost of goods sold Gross profit	\$	126,498 82,562 43,936	\$	156,708 100,322 56,386	\$	379,485 257,772 121,713	\$	451,915 292,418 159,497
Operating expenses: Selling, general and administrative Research and development Impairment, restructuring, and other charges Total operating expenses	=	36,309 11,390 2,226 49,925	_	37,629 12,055 1,156 50,840		111,189 33,424 23,769 168,382		112,945 33,509 3,355 149,809
Income (loss) from operations		(5,989)		5,546		(46,669)		9,688
Interest expense Interest income Other income / (expense)		(1,239) 85 15,772		(1,231) 69 -		(3,520) 322 15,772		(3,720) 301
Income (loss) before provision for income taxes and minority interest Provision (benefit) for income taxes Minority interest Net income (loss)	\$	8,629 3,678 (1,338) 3,613	\$	4,384 (2,643) (118) 6,909	\$	(34,095) (11,607) (553) (23,041)	\$	6,269 (1,977) 76 8,322
Diluted income (loss) per share	\$	0.21	\$	0.39	\$	(1.37)	\$	0.47
Weighted average shares outstanding - diluted		17,237		17,922		16,779		17,654

Condensed Consolidated Balance Sheets

	June 30, 2007			March 31, 2008		
Assets						
Cash and cash equivalents	\$	15,980	\$	14,919		
Accounts receivable, net		140,483		140,188		
Inventories		120,174		149,340		
Other current assets		38,002		41,405		
Total current assets		314,639		345,852		
Non-current assets		136,844		152,690		
Total	\$	451,483	\$	498,542		
Liabilities and Stockholders' Equity						
Bank lines of credit	\$	16,775	\$	23,600		
Current portion of long-term debt		5,744		5,562		
Accounts payable and accrued expenses		83,749		91,058		
Other current liabilities		49,630		43,190		
Total current liabilities	-	155,898		163,410		
Long-term debt		25,709		46,425		
Other long-term liabilities		13,849		16,560		
Total liabilities	-	195,456		226,395		
Minority interest		8,815		1,167		
Shareholders' equity		247,212		270,980		
Total	\$	451,483	\$	498,542		
						

SEGMENT INFORMATION

(in thousands)

	Three Months Ended March 31,				Nine Months Ended December 31,				
		2007		2008		2007		2008	
Revenues - by Segment Group:									
Security division	\$	45,044	\$	51,395	\$	130,479	\$	164,075	
Healthcare division		53,671		63,589		164,639		188,051	
Optoelectronics and Manufacturing division including intersegment									
revenues		37,200		53,430		111,068		134,494	
Intersegment revenues elimination		(9,417)		(11,706)		(26,701)		(34,705)	
Total	\$	126,498	\$	156,708	\$	379,485	\$	451,915	
Operating income (loss) - by Segment Group:									
Security division	\$	527	\$	1,466	\$	(31,284)	\$	1,640	
Healthcare division		(3,381)		2,268		(8,994)		9,561	
Optoelectronics and Manufacturing division		547		4,093		7,279		8,547	
Corporate		(3,291)		(2,461)		(13,436)		(9,927)	
Eliminations		(391)		180		(234)		(133)	
Total (i)	\$	(5,989)	\$	5,546	\$	(46,669)	\$	9,688	

⁽i) Includes non-recurring impairment, restructuring and other charges of \$2.2 million and \$34.1 million for the three and nine months ended March 31, 2007, respectively, and \$1.2 million and \$3.4 million for the three and nine months ended March 31, 2008, respectively.

CONTACT:

OSI Systems, Inc.

Jeremy Norton

Vice President

Investor Relations & Business Development

310-349-2372