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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
WASHINGTON, D.C. 20549

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**FORM 8-K**

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**CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(D)  
OF THE SECURITIES EXCHANGE ACT OF 1934**

DATE OF REPORT (DATE OF EARLIEST EVENT REPORTED): **September 11, 2014**

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**OSI SYSTEMS, INC.**

(EXACT NAME OF REGISTRANT SPECIFIED IN CHARTER)

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**DELAWARE**  
(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 TELEPHONE NUMBER, INCLUDING AREA CODE)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - ☐ 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))
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**Item 8.01. Other Events**

On September 11, 2014, Deepak Chopra, President, Chief Executive Officer and Chairman of the Board of Directors of OSI Systems, Inc. (the "Company"), entered into a Rule 10b5-1 trading plan (the "10b5-1 Plan") with a broker to sell, subject to a limit order, shares of the Company's Common Stock, \$0.001 par value (the "Common Stock"). The 10b5-1 Plan is intended to comply with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended.

Assuming the conditions of the limit order are met, Mr. Chopra currently intends to sell up to an aggregate of 48,000 shares of Common Stock pursuant to the 10b5-1 Plan during the period beginning in September 2014 and ending in December 2014, at which time the 10b5-1 Plan will terminate. Mr. Chopra will report transactions effected under the 10b5-1 Plan in accordance with the rules and regulations of the Securities and Exchange Commission, as necessary.

**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.

Date: September 11, 2014

By: /s/ Victor Size  
Victor Size  
General Counsel