

Edgar Filing: OSI SYSTEMS INC - Form SC 13G/A

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware - U.S.A.

	5	SOLE VOTING POWER	
		848,648	
NUMBER OF			
SHARES	6	SHARED VOTING POWER	
BENEFICIALLY		0	
OWNED BY			
EACH			
REPORTING	7	SOLE DISPOSITIVE POWER	
PERSON			
		918,464	
WITH			
	8	SHARED DISPOSITIVE POWER	
		0	

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

918,464

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

N/A

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

5.5%

12 TYPE OF REPORTING PERSON*

IA

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Item 1(a) Name of Issuer:
OSI Systems, Inc

Item 1(b) Address of Issuer's Principal Executive Offices:

12525 Chadron Avenue
Hawthorne, CA 90250
United States

Item 2(a) Name of Person Filing:
NWQ Investment Management Company, LLC

Item 2(b) Address of the Principal Office or, if none, Residence:

2049 Century Park East, 16th Floor
Los Angeles, CA 90067

Item 2(c) Citizenship:
Delaware - U.S.A.

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Item 2(d) Title of Class of Securities:

Common

Item 2(e) CUSIP Number:

671044105

Item 3 If the Statement is being filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:

(e) An investment advisor in accordance with section 240.13d-1(b)(1)(ii)(E)

Item 4 Ownership:

(a) Amount Beneficially Owned:

918,464

(b) Percent of Class:

5.50%

(c) Number of shares as to which such person has:

(i) sole power to vote or direct the vote:

848,648

(ii) shared power to vote or direct the vote:

0

(iii) sole power to dispose or to direct the disposition of:

918,464

(iv) shared power to dispose or to direct the disposition of:

0

Item 5 Ownership of Five Percent or Less of a Class:

Not applicable.

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Item 6 Ownership of More than Five Percent on Behalf of Another Person:

Securities reported herein are beneficially owned by clients which may include investment companies registered under the Investment Company Act and/or employee benefit plans, pensions, Charitable funds or other institutional and high net worth clients.

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company:

Not applicable.

Item 8 Identification and Classification of Members of the Group:

Not applicable.

Item 9 Notice of Dissolution of a Group:

Not applicable.

Item 10 Certification:

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By signing below I certify that, to the best of my and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purpose or effect.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 9, 2007

NWQ Investment Management Company, LLC

By: /S/ Jon D. Bosse

Jon D. Bosse, CFA
Co-President, Chief Investment Officer

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