

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

[-] Check box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(f) of the Investment Company Act of 1940
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1. Name and Address of Reporting Person*

Mehra	Ajay	
(Last)	(First)	(Middle)

c/o OSI Systems, Inc. 12525 Chadron Ave.

(Street)

Hawthorne,	CA	
(City)	(State)	(Zip)

2. Issuer Name and Ticker or Trading Symbol OSI Systems, Inc. (OSIS)

3. I.R.S. Identification Number of Reporting Person, if an entity (Voluntary)

4. Statement for Month/Year 6/01

5. If Amendment, Date of Original (Month/Year)

6. Relationship of Reporting Person(s) to Issuer (Check all applicable)

[X] Director [] Officer [] 10% Owner [] Other
(give title below) (specify below)

7. Individual or Joint/Group Reporting (check applicable line)

X Form Filed by One Reporting Person

___ Form Filed by More than One Reporting Person

Table I--Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Trans- action Date (Month/ Day/ Year)	3. Trans- action Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned at the end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Owner- ship Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of In- direct Bene- ficial Owner- ship (Instr. 4)
			Amount (A) or (D) Price			

* If the form is filed by more than one reporting person, see instruction 4(b)(v).

Table II--Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

[illegible][illegible]

Explanation of Responses:

* Vested over four year period from the date of grant.

/s/ Ajay Mehra 8/10/01

**Signature of Reporting Person Date

*** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed.
If space provided is insufficient, see Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained to this form are not required to respond unless the form displays a currently

valid OMB number.