

**UNITED STATES
SECURITIES AND EXCHANGE
COMMISSION**

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No. 1)*

EnerSys

(Name of Issuer)

Common Stock

(Title of Class of Securities)

29275 Y 10 2

(CUSIP Number)

December 31, 2006

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

1. Metalmark Capital LLC

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2. (a) T
(b) F

3. SEC USE ONLY

CITIZENSHIP OR PLACE OF ORGANIZATION

4. Delaware

SOLE VOTING POWER

5. 20,494,938

SHARED VOTING POWER

6. 0

SOLE DISPOSITIVE POWER

7. 20,494,938

SHARED DISPOSITIVE POWER

8. 0

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9. 20,494,938

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

£

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

43.7%

12. TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

CO

2

NAMES OF REPORTING PERSONS

1. I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

Morgan Stanley

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2. (a)
(b)

3. SEC USE ONLY

CITIZENSHIP OR PLACE OF ORGANIZATION

4. Delaware

SOLE VOTING POWER

5. 0

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

SHARED VOTING POWER

6. 2,463,302

SOLE DISPOSITIVE POWER

7. 0

SHARED DISPOSITIVE POWER

8. 2,463,302

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9. 2,463,302

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

11. 5.3%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

12. CO

3

NAMES OF REPORTING PERSONS

1. I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

MSDW Capital Partners IV, Inc.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2. (a)
(b)

3. SEC USE ONLY

CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

		SOLE VOTING POWER	
5.	0		
		SHARED VOTING POWER	
6.	515,697		
		SOLE DISPOSITIVE POWER	
7.	0		
		SHARED DISPOSITIVE POWER	
8.	515,697		
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	515,697		
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		<input type="checkbox"/>
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9		
	1.1%		
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)		
	CO, IA		

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) MSDW Capital Partners IV, LLC		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)		
	(a)	T	
	(b)	F	
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Delaware		
		SOLE VOTING POWER	
5.	0		
		SHARED VOTING POWER	
6.	515,697		
		SOLE DISPOSITIVE POWER	
7.	0		
		SHARED DISPOSITIVE POWER	
8.	515,697		
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	515,697		
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)		<input type="checkbox"/>
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9		
	1.1%		
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)		
	CO, IA		

NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

1. Morgan Stanley Dean Witter Capital Investors IV, L.P.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2. (a) T
(b) F

3. SEC USE ONLY

CITIZENSHIP OR PLACE OF ORGANIZATION

4. Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER	0
	6.	SHARED VOTING POWER	515,697
	7.	SOLE DISPOSITIVE POWER	0
	8.	SHARED DISPOSITIVE POWER	515,697

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9. 515,697

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

11. 1.1%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

12. PN

NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

1. Morgan Stanley Global Emerging Markets, Inc.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2. (a) T
(b) F

3. SEC USE ONLY

CITIZENSHIP OR PLACE OF ORGANIZATION

4. Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON	5.	SOLE VOTING POWER	0
	6.	SHARED VOTING POWER	1,947,605
	7.	SOLE DISPOSITIVE POWER	

	WITH	0
		SHARED DISPOSITIVE POWER
8.		1,947,605
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
		1,947,605
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)	
		£
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9	
		4.2%
12.	TYPE OF REPORTING PERSON (See Instructions)	
		CO, IA

7

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	MSGEM, LLC	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)	
	(a) <input type="checkbox"/>	T <input type="checkbox"/>
	(b) <input type="checkbox"/>	£ <input type="checkbox"/>
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Delaware	
	SOLE VOTING POWER	
5.	0	
	SHARED VOTING POWER	
6.	1,947,605	
	SOLE DISPOSITIVE POWER	
7.	0	
	SHARED DISPOSITIVE POWER	
8.	1,947,605	
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
		1,947,605
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)	
		£
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9	
		4.2%
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)	
		CO

8

1. NAMES OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
Morgan Stanley Global Emerging Markets Private Investment Fund, L.P.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2. (a) T
(b) F

3. SEC USE ONLY

CITIZENSHIP OR PLACE OF ORGANIZATION

4. Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 0
	6.	SHARED VOTING POWER 1,835,861
	7.	SOLE DISPOSITIVE POWER 0
	8.	SHARED DISPOSITIVE POWER 1,835,861

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9. 1,835,861

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

11. 3.9%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

12. PN

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
Morgan Stanley Global Emerging Markets Private Investors, L.P.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2. (a) T
(b) F

3. SEC USE ONLY

CITIZENSHIP OR PLACE OF ORGANIZATION

4. Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 0
	6.	SHARED VOTING POWER 111,744
	7.	SOLE DISPOSITIVE POWER 0
	8.	SHARED DISPOSITIVE POWER 111,744

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9. 111,744

 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0.2%

 12. TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

10

-
- Item 1 (a). Name of Issuer:**
EnerSys
- Item 1 (b). Address of Issuer's Principal Executive Offices:**
2366 Bernville Road
Reading, PA 19605
- Item 2 (a). Name of Person Filing:**
This statement is filed on behalf of the persons identified below. In accordance with Rule 13d-1(k)(1) under the Act, each person filing this statement acknowledges that it is responsible for the completeness and accuracy of the information concerning that person but is not responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is inaccurate.
Metalmark Capital LLC ("Metalmark")
Morgan Stanley ("MS")
MSDW Capital Partners IV, Inc. ("MSCP IV, Inc.")
MSDW Capital Partners IV, LLC ("MSCP IV, LLC")
Morgan Stanley Dean Witter Capital Investors IV, L.P. ("MSCI IV, L.P." and, together with MSCP IV, Inc. and MSCP IV, LLC, the "MSCP Funds")
Morgan Stanley Global Emerging Markets, Inc. ("MSGEM, Inc.")
MSGEM, LLC ("MSGEM, LLC")
Morgan Stanley Global Emerging Markets Private Investment Fund, L.P. ("MSGEM PIF")
Morgan Stanley Global Emerging Markets Private Investors, L.P. ("MSGEM PI" and, together with MSGEM, Inc., MSGEM, LLC and MSGEM PIF, the "MSGEM Funds")
- Item 2 (b). Address of Principal Business Office or, if none, Residence:**
The address of the principal business office of Metalmark is:
1177 Avenue of the Americas
New York, NY 10036
The address of the principal business office of MS, MSCP IV, Inc., MSCP IV, LLC, MSCI IV, L.P., MSGEM, Inc., MSGEM, LLC, MSGEM PIF and MSGEM PI is:
1585 Broadway
New York, NY 10036
- Item 2 (c). Citizenship:**
The place of organization of Metalmark, MS, MSCP IV, Inc., MSCP IV, LLC, MSCI IV, L.P., MSGEM, Inc., MSGEM, LLC, MSGEM PIF and MSGEM PI is Delaware.
- Item 2 (d). Title of Class of Securities:**
This statement relates to the Company's Common Stock, par value \$0.01 per share.
- Item 2 (e). CUSIP Number:**
29275Y 10 2
- Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:**
- (a) Broker or dealer registered under Section 15 of the Exchange Act.
 - (b) Bank as defined in Section 3(a)(6) of the Exchange Act.
 - (c) Insurance company as defined in Section 3(a)(19) of the Exchange Act.
 - (d) Investment company registered under Section 8 of the Investment Company Act.
 - (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
 - (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
 - (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
 - (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
 - (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
 - (j) Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

Item 4. Ownership.

The filing of this statement should not be construed as an admission by any person that such person is, for purposes of Section 13(d) or 13(g) of the Exchange Act, the beneficial owner of any securities covered by this statement, other than the securities set forth opposite such person's name in the table in Item 4(c) below.

(a) Amount beneficially owned:

As of December 31, 2006, Morgan Stanley Dean Witter Capital Partners IV, L.P. ("MSCP IV, L.P.") owned directly 18,869,605 shares and MSDW IV 892 Investors, L.P. ("MSCP IV 892, L.P.") owned directly 1,607,833 shares. An affiliate of Metalmark is the subadvisor to MSCP IV, L.P. and MSCP IV 892, L.P. and, as such, has the sole power to vote or direct the vote and to dispose or direct the disposition of all shares held by MSCP IV, L.P. and MSCP IV 892, L.P.

As of December 31, 2006, MSCI IV, L.P. owned directly 515,697 shares. MSCP IV, LLC is the general partner of MSCI IV, L.P. and, as such, has the power to vote or direct the vote and to dispose or direct the disposition of all shares held by MSCI IV, L.P. MSCP IV, Inc. is the managing member of MSCP IV, LLC and, as such, shares the power to direct the actions of MSCI IV, LLC. MS, as sole shareholder of MSCP IV, Inc., controls the actions of MSCP IV, Inc. Therefore, MSCP IV, LLC and MSCP IV, Inc. each may be deemed to have beneficial ownership of the 515,697 shares held by MSCI IV, L.P.

As of December 31, 2006, MSGEM PIF owned directly 1,835,861 shares and MSGEM PI owned directly 111,744 shares. MSGEM, LLC is the general partner of MSGEM PIF and MSGEM PI and, as such, has the power to vote or direct the vote and to dispose or direct the disposition of all shares held by MSGEM PIF and MSGEM PI. MSGEM, Inc. is the managing member of MSGEM, LLC and, as such, shares the power to direct the actions of MSGEM, LLC. MS, as sole shareholder of MSGEM, Inc., controls the actions of MSGEM, Inc. Therefore, MSGEM, Inc. and MSGEM, LLC each may be deemed to have beneficial ownership of the 1,947,605 shares held by MSGEM PIF and MSGEM PI.

Therefore, MS may be deemed to have beneficial ownership of the 2,463,302 shares held by MSCI IV, LP, MSGEM PIF and MSGEM PI.

MS is filing solely in its capacity as parent company of, and indirect beneficial owner of securities held by, one of its business units.

By virtue of a subadvisory arrangement, Metalmark may be deemed to have sole power to vote or direct the vote and to dispose or direct the disposition of the shares held by MSCP IV, L.P. and MSCP IV 892, L.P. In addition, under the subadvisory arrangement, MSCI IV, L.P. is effectively obligated to vote or direct the vote and to dispose or direct the disposition of any shares owned directly by it on the same terms and conditions as MSCP IV, L.P. and MSCP IV 892, L.P. Metalmark also beneficially owns 17,500 shares issuable upon exercise of fully vested options.

(b) Percent of class: (1)

Metalmark Capital LLC	43.7% of the Common Stock
Morgan Stanley	5.3% of the Common Stock
MSDW Capital Partners IV, Inc.	1.1% of the Common Stock
MSDW Capital Partners IV, LLC	1.1% of the Common Stock
Morgan Stanley Dean Witter Capital Investors IV, L.P.	1.1% of the Common Stock
Morgan Stanley Global Emerging Markets, Inc.	4.2% of the Common Stock
MSGEM, LLC	4.2% of the Common Stock
Morgan Stanley Global Emerging Markets Private Investment Fund, L.P.	3.9% of the Common Stock
Morgan Stanley Global Emerging Markets Private Investors, L.P.	0.2% of the Common Stock

(1) Based on the Common Stock outstanding on December 31, 2006.

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

	(i) Sole power to vote or to direct the vote	(ii) Shared power to vote or to direct the vote	(iii) Sole power to dispose or to direct the disposition of	(iv) Shared power to dispose or to direct the disposition of
Metalmark Capital LLC	20,494,938	- 0 -	20,494,938	- 0 -
Morgan Stanley		2,463,302		2,463,302
MSDW Capital Partners IV, Inc.	- 0 -	515,697	- 0 -	515,697
MSDW Capital Partners IV, LLC	- 0 -	515,697	- 0 -	515,697
Morgan Stanley Dean Witter Capital Investors IV, L.P.	- 0 -	515,697	- 0 -	515,697
Morgan Stanley Global Emerging Markets, Inc.	- 0 -	1,947,605	- 0 -	1,947,605
MSGEM, LLC	- 0 -	1,947,605	- 0 -	1,947,605
Morgan Stanley Global Emerging Markets Private Investment Fund, L.P.	- 0 -	1,835,861	- 0 -	1,835,861
Morgan Stanley Global Emerging Markets Private Investors, L.P.	- 0 -	111,744	- 0 -	111,744

- Item 5. Ownership of Five Percent or Less of a Class.**
If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following
- Item 6. Ownership of More than Five Percent on Behalf of Another Person.**
N/A
- Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.**
N/A
- Item 8. Identification and Classification of Members of the Group.**
Metalmark, the MSCP Funds, the MSGEM Funds, J.P. Morgan Direct Corporate Finance Institutional Investors LLC (“J.P. Morgan Institutional”), J.P. Morgan Direct Corporate Finance Private Investors LLC (“J.P. Morgan Private”), 522 Fifth Avenue Fund, L.P. (together with J.P. Morgan Institutional and J.P. Morgan Private, the “J.P. Morgan Funds”), First Plaza Group Trust (“First Plaza”) and Performance Direct Investments I, L.P. (together with First Plaza, the “GM Stockholders”) have entered into a 2004 Securityholder Agreement dated as of July 26, 2004, which governs certain relationships among such parties as stockholders.
- Metalmark, the MSCP Funds, the MSGEM Funds, the J.P. Morgan Funds and the GM Stockholders may be deemed to be a “group” for purposes of Section 13(d)(3) or Section 13(g)(3) of the Act and Rule 13d-5(b)(1) thereunder.
- Metalmark, the MSCP Funds and the MSGEM Funds believe that, as of December 31, 2006, the J.P. Morgan Funds held 2,272,215 shares, or 4.8%, of the Common Stock, and the GM Stockholders held 1,947,606 shares, or 4.2%, of the Common Stock.
- Item 9. Notice of Dissolution of Group.**
N/A
- Item 10. Certifications.**
Not Applicable to filings pursuant to Rule 13d-1(d).

SIGNATURE

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. On executing the statement, the undersigned agrees, to the extent required by Rule 13d-1(k)(1), that this statement is being filed on behalf of each of the Reporting Persons herein.

Dated: February 13, 2007

Metalmark Capital LLC

/s/ Kenneth F. Clifford

Name: Kenneth F. Clifford

Title: Managing Director

Morgan Stanley

/s/ Peter R. Vogelsang

Name: Peter R. Vogelsang

Title: Authorized Signatory

MSDW Capital Partners IV, Inc.

By: METALMARK SUBADVISOR LLC,
as attorney-in-fact

/s/ Kenneth F. Clifford

Name: Kenneth F. Clifford

Title: Managing Director

MSDW Capital Partners IV, LLC

By: MSDW Capital Partners IV, Inc., as Member
By: METALMARK SUBADVISOR LLC,
as attorney-in-fact

/s/ Kenneth F. Clifford

Name: Kenneth F. Clifford
Title: Managing Director

Morgan Stanley Dean Witter Capital Investors IV, L.P.
By: MSDW Capital Partners IV, LLC, as General Partner
By: MSDW Capital Partners IV, Inc., as Member
By: METALMARK SUBADVISOR LLC,
as attorney-in-fact

/s/ Kenneth F. Clifford

Name: Kenneth F. Clifford
Title: Managing Director

14

Morgan Stanley Global Emerging Markets, Inc.

/s/ Pratish S. Patel

Name: Pratish S. Patel
Title: Executive Director

MSGEM, LLC
By: Morgan Stanley Global Emerging Markets, Inc., as Member

/s/ Pratish S. Patel

Name: Pratish S. Patel
Title: Executive Director

Morgan Stanley Global Emerging Markets Private Investment Fund, L.P.
By: MSGEM, LLC, as General Partner
By: Morgan Stanley Global Emerging Markets, Inc., as Member

/s/ Pratish S. Patel

Name: Pratish S. Patel
Title: Executive Director

Morgan Stanley Global Emerging Markets Private Investors, L.P.
By: MSGEM, LLC, as General Partner
By: Morgan Stanley Global Emerging Markets, Inc., as Member

/s/ Pratish S. Patel

Name: Pratish S. Patel
Title: Executive Director

15
