GEN PROBE INC Form SC 13G/A November 10, 2009

	OMB APPROV	'AL	
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hours per	response		.10.4

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No.2) *

Gen Probe Inc

(Name of Issuer)

Common Stock

(Title of Class of Securities)

36866T103

(CUSIP Number)

October 31, 2009

(Date Of Event which Requires Filing of this Statement)

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

- [x] Rule 13d-1(b)
- [] Rule 13d-1(c)
- [] Rule 13d-1(d)

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).

^{*} 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1745 (3-06)

CUSIP No.3	6866T103	13G	Page 2 of 8 Pages
	E OF REPORTI	NG PERSON: CATION NO. OF ABOVE PERSO)N:
	gan Stanley .S. #36-3145	972	
2. CHE	CK THE APPRO	PRIATE BOX IF A MEMBER OF	' A GROUP:
(a)	[]		
(b)	[]		
3. SEC	USE ONLY:		
4. CIT	IZENSHIP OR	PLACE OF ORGANIZATION:	
The	state of or	ganization is Delaware.	
NUMBER (SHARE: BENEFICIA	S	SOLE VOTING POWER: 6,182,927	
OWNED DEACH	BY 6.	SHARED VOTING POWER:	
PERSOI WITH	N 7.	SOLE DISPOSITIVE POWER: 6,348,864	
	8.	SHARED DISPOSITIVE POWER	::
	REGATE AMOUN 48,864	F BENEFICIALLY OWNED BY E	CACH REPORTING PERSON:
10. CHE	CK BOX IF TH	E AGGREGATE AMOUNT IN ROW	(9) EXCLUDES CERTAIN SHARES:
[] 			
11. PERO 12.		S REPRESENTED BY AMOUNT I	N ROW (9):
12. TYPI	E OF REPORTI	NG PERSON:	
CUSIP No.3	6866T103	13G	Page 3 of 8 Pages

^{1.} NAME OF REPORTING PERSON:
 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON:

	Morgan St I.R.S. #	_	investment Mar 1307	agement Ind	E.			
2.	CHECK THE	APPROF	PRIATE BOX IF	A MEMBER OF	A GROUP:			
	(a) []							
	(b) []							
3.	SEC USE C	NLY:						
4.	CITIZENSH	IIP OR E	LACE OF ORGAN	IIZATION:				
	The state	of org	ganization is	Delaware.				
SI	BER OF HARES		. SOLE VOTING POWER: 4,152,416					
OWI	BENEFICIALLY OWNED BY EACH		6. SHARED VOTING POWER:					
REPORTING PERSON WITH:		7.	7. SOLE DISPOSITIVE POWER: 4,318,296					
		8.	SHARED DISPOS	SITIVE POWER	₹:			
9.	AGGREGATE 4,318,296		BENEFICIALLY	OWNED BY E	EACH REPORTING	G PERSON:		
10.	CHECK BOX	IF THE	AGGREGATE AM	OUNT IN ROV	V (9) EXCLUDES	S CERTAIN	SHAF	 ≀ES:
11.	PERCENT C	F CLASS	REPRESENTED	BY AMOUNT 1	IN ROW (9):			
12.	TYPE OF R	EPORTIN	G PERSON:					
CUSIP I	No.36866T1	.03		13G		Page	4 of	8 Pages
Item 1	. (a)	Name	of Issuer:					
		Gen E	Gen Probe Inc					
	(b)	Addre	ess of Issuer'	s Principal	L Executive O	ffices:		
			GENETIC CENT					
Item 2	. (a)	Name	of Person Fil	ing:				
			Morgan Stanley Morgan Stanley		- Management :	Inc.		

	(b)	Address of Principal Business Office, or if None, Residence:
		(1) 1585 BroadwayNew York, NY 10036(2) 522 Fifth AvenueNew York, NY 10036
	(c)	Citizenship:
		(1) The state of organization is Delaware.(2) The state of organization is Delaware.
	(d)	Title of Class of Securities:
		Common Stock
	(e)	CUSIP Number:
		36866T103
Item 3.	is statement is filed pursuant to Sections 240.13d-1(b) or 3d-2(b) or (c), check whether the person filing is a:	
	(a) [] Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780).
	(b) [Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
	(c) [] Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).
	(d) [] Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
	(e) [<pre>x] An investment adviser in accordance with Section 240.13d-1(b)(1)(ii)(E); Morgan Stanley Investment Management Inc.</pre>
	(f) [] An employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F);
	(g) [x] A parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G); Morgan Stanley
	(h) [] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
	(i) [] A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
	(j) [] Group, in accordance with Section 13d-1(b)(1)(ii)(J).

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- Item 4. Ownership as of October 31, 2009.*
 - (a) Amount beneficially owned: See the response(s) to Item 9 on the attached cover page(s).
 - (b) Percent of Class:
 See the response(s) to Item 11 on the attached cover page(s).
 - (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).
 - (ii) Shared power to vote or to direct the vote: See the response(s) to Item 6 on the attached cover page(s).
 - (iii) Sole power to dispose or to direct the disposition of:
 See the response(s) to Item 7 on the attached cover page(s).
 - (iv) Shared power to dispose or to direct the disposition of: See the response(s) to Item 8 on the attached cover page(s).
- Item 5. Ownership of Five Percent or Less of a Class.

Not Applicable

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

Not Applicable

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

See Exhibit 99.2

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certification.

By signing below I certify that, to the best of my knowledge 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 the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

* In Accordance with the Securities and Exchange Commission Release No. 34-39538 (January 12, 1998) (the "Release"), this filing reflects the securities beneficially owned, or that may be deemed to be beneficially owned, by certain operating units (collectively, the "MS Reporting Units") of Morgan Stanley and its subsidiaries and affiliates (collectively, "MS"). This filing does not reflect securities, if any, beneficially owned by any operating units of MS whose ownership of securities is disaggregated from that of the MS Reporting Units in accordance with the Release.

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		Signature.			
			ledge and belief, I certify true, complete and correct.		
Date:	November 10, 2009				
Signature:	/s/ Dennine Bullard				
Name/Title:	: Dennine Bullard/Authorized Signatory, Morgan Stanley				
Date:	November 10, 2009				
Signature:	/s/ Mary Ann Picciotto				
Name/Title: Mary Ann Picciotto/Chief Compliance Officer, Morgan Stanley Investment Management Inc.					
	MORGAN STANLEY IN	VESTMENT MANAGEMENT IN	C.		
EXHIBIT NO.		EXHIBITS	PAGE 		
99.1		Joint Filing Agreemen	t 7		
99.2		Item 7 Information	8		
	n. Intentional mis olations (see 18 C		s of fact constitute federal		
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	J	T NO. 99.1 TO SCHEDULE OINT FILING AGREEMENT			
		November 10, 2009			

MORGAN STANLEY and MORGAN STANLEY INVESTMENT MANAGEMENT INC.,

hereby agree that, unless differentiated, this Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Dennine Bullard

Dennine Bullard/Authorized Signatory, Morgan Stanley

MORGAN STANLEY INVESTMENT MANAGEMENT INC.

BY: /s/ Mary Ann Picciotto

Mary Ann Picciotto/Chief Compliance Officer, Morgan Stanley Investment Management Inc.

* Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

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EXHIBIT NO. 99.2

ITEM 7 INFORMATION

The securities being reported on by Morgan Stanley as a parent holding company are owned, or may be deemed to be beneficially owned, by Morgan Stanley Investment Management Inc., an investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E) as amended. Morgan Stanley Investment Management Inc. is a wholly-owned subsidiary of Morgan Stanley.