GENESIS MICROCHIP INC Form SC 13G/A March 11, 2002

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION STATEMENT PURSUANT TO RULES 13d-1 AND 13d-2

Under the Securities Exchange Act of 1934 (Amendment No. 3)

GENESIS MICROCHIP INC

(Name of Issuer)
Common Stock

(Title of Class of Securities)

371933102

(CUSIP Number)

Check the following box if a fee is being paid with this statement [].

*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).

CUSIP No. 371933102 13G Page 2 of 8 Pages

1 NAME OF REPORTING REPORTED

NAME OF REPORTING PERSON(S)
 S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON(S)

Morgan Stanley Dean Witter & Co. IRS # 39-314-5972

2 CHECK THE ADDRODDIATE DOV TO A MEMDED OF A CROHD+

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) []

| | | (b) | [|] | |
|-------|--|------------|-----|-----|----------|
| 3. | SEC USE ONLY | | | | |
| 4. | CITIZENSHIP OR PLACE OF ORGANIZATION The state of organization is Delaware. | | | | |
| S | BER OF 5. SOLE VOTING POWER HARES 0 | | | | |
| OW | FICIALLY NED BY 6. SHARED VOTING POWER EACH 922,689 | | | | |
| P | ORTING ERSON 7. SOLE DISPOSITIVE POWER WITH | | | | |
| | 8. SHARED DISPOSITIVE POWER 922,814 | | | | |
| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING | F PERS | ON | | |
| 10. | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDE: | S CERT | AIN | SHA | RES* |
| 11. | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 4.3868% | | | | |
| 12. | TYPE OF REPORTING PERSON* | | | | |
| | IA, CO | | | | |
| | *SEE INSTRUCTIONS BEFORE FILLING OUT! | | | | |
| CUSIP | No. 371933102 13G Pa | age 3 | of | 8 | Pages |
| 1. | NAME OF REPORTING PERSON(S) S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON(S) | | | | |
| | Morgan Stanley Investment Management Inc. IRS # 13-3040307 | | | | |
| 2. | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* | (a) (b) | | | |
| 3. | SEC USE ONLY | | | | |
| 4. | CITIZENSHIP OR PLACE OF ORGANIZATION | | | | |

The state of organization is Delaware.

| | state | of organization is Delaware. | | |
|---|---------|---|--|--|
| SHARES BENEFICIALLY OWNED BY EACH REPORTING | | 5. SOLE VOTING POWER 0 | | |
| | | 6. SHARED VOTING POWER 0 | | |
| | | 7. SOLE DISPOSITIVE POWER 0 | | |
| | | 8. SHARED DISPOSITIVE POWER 125 | | |
| 9. AGG | REGATE | AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | |
| 125 | | | | |
| 10. CHE | CK BOX | IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* | | |
| 11. PER | | CLASS REPRESENTED BY AMOUNT IN ROW (9) | | |
| 12. TYP | E OF RI | PORTING PERSON* | | |
| IA, | СО | | | |
| | | *SEE INSTRUCTIONS BEFORE FILLING OUT! | | |
| | | *SEE INSTRUCTIONS BEFORE FILLING OUT! | | |
| CUSIP No. | 3719331 | .02 13G Page 4 of 8 Pages | | |
| Item 1. | (a) | Name of Issuer: GENESIS MICROCHIP INC | | |
| | (b) | Address of Issuer's Principal Executive Offices: 2150 GOLD THORNHILL ONTARIO, CANADA L3T 7V8 | | |
| Item 2. | (a) | Name of Person Filing: (a) Morgan Stanley Dean Witter & Co. (b) Morgan Stanley Investment Management Inc. | | |
| | (b) | Address of Principal Business Office, or if None, Residence: | | |
| | | (a) 1585 Broadway New York, New York 10036 | | |
| | | (b) 1221 Avenue of the Americas New York, New York 10020 | | |
| | (c) | Citizenship: | | |
| | | | | |

Incorporated by reference to Item 4 of the cover page pertaining to each reporting person.

(d) Title of Class of Securities: Common Stock

(e) CUSIP Number: 371933102

- Item 3. (a) Morgan Stanley Dean Witter & Co. is a parent holding company.
 - (b) Morgan Stanley Investment Management Inc. is an Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940.

CUSIP No. 371933102 13-G

Page 5 of 8 Pages

Item 4. Ownership.

Incorporated by reference to Items (5) - (9) and (11) of the cover page.

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

Inapplicable.

- Item 6. Ownership of More Than Five Percent on Behalf of Another Person.
 - (a) As of the date hereof, Morgan Stanley Dean Witter and Co. has ceased to be the beneficial owner of more than five percent of the class of securities.
 - (b) As of the date hereof, Morgan Stanley Investment Management Inc. has ceased to be the beneficial owner of more than five percent of the class of securities.
- Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reported on By the Parent Holding Company.
- Item 8. Identification and Classification of Members of the Group.
- Item 9. Notice of Dissolution of Group.
- Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have 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.

CUSIP No. 371933102 13-G

Page 6 of 8 Pages

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.

Date: March 11, 2002

Signature: /s/ Dennine Bullard

Name/Title Dennine Bullard /Vice President, Morgan Stanley & Co. Incorporated

MORGAN STANLEY DEAN WITTER & CO.

Date: March 11, 2002

Signature: /s/ James P. Wallin

Name/Title James Wallin /Executive Director, Morgan Stanley Investment

Management Inc.

MORGAN STANLEY INVESTMENT MANAGEMENT INC.

INDEX TO EXHIBITS PAGE

EXHIBIT 1 Agreement to Make a Joint Filing

EXHIBIT 2 Secretary's Certificate Authorizing Dennine Bullard 8 to Sign on behalf of Morgan Stanley Dean Witter & Co.

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

(022597DTI)

EX-99

JOINT FILING AGREEMENT

CUSIP No. 371933102 13-G Page 7 of 8 Pages

EXHIBIT 1 TO SCHEDULE 13G

MARCH 11, 2002

MORGAN STANLEY DEAN WITTER & CO. 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 DEAN WITTER & CO.

BY: /s/ Dennine Bullard

Dennine Bullard /Vice President, Morgan Stanley & Co. Incorporated

MORGAN STANLEY INVESTMENT MANAGEMENT INC.

BY: /s/ James P. Wallin

James P. Wallin /Executive Director, Morgan Stanley Investment $$\operatorname{\mathsf{Management}}$ Inc.

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

EX-99 SECRETARY'S CERTIFICATE

Page 8 of 8 pages

EXHIBIT 2

MORGAN STANLEY, DEAN WITTER, DISCOVER & CO.

SECRETARY'S CERTIFICATE

- I, Charlene R. Herzer, a duly elected and Assistant Secretary of Morgan Stanley Dean Witter & Co., a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), certify that Stuart J.M. Breslow, Robert G. Koppenol and Dennine Bullard are authorized to sign reports to be filed under Sections 13 and 16 of the Securities Exchange Act of 1934 (the "Act") pursuant to the following:
 - (1) On May 31, 1997, the Board of Directors of the Corporation granted authority to Stuart J.M.

 Breslow and Robert G. Koppenol to sign reports to be filed under Sections 13 and 16 of the Act on behalf of the Corporation.
 - (2) On February 23, 2000, Donald G. Kempf, Jr., the Executive Vice President, Chief Legal Officer and Secretary of the Corporation, delegated authority to Dennine Bullard to sign reports to be filed under Sections 13 and 16 of the

Act on behalf of the Corporation. Pursuant to Section 7.01 of the Bylaws of the Corporation and resolutions approved by the Board of Directors of the Corporation on September 25, 1998, the Chief Legal Officer is authorized to enter into agreements and other instruments on behalf of the Corporation and may delegate such powers to others under his jurisdiction.

IN WITNESS WHEREOF, I have hereunto set my name and affixed the seal of the Corporation as of the 1st day of March, 2000.

Charlene R. Herzer Assistant Secretary