

VEECO INSTRUMENTS INC  
 Form 3  
 January 24, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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(h) of the Investment Company Act of 1940

(Print or Type Responses)

|   |         |          |   |  |   |  |
|---|---------|----------|---|--|---|--|
| 1. Name and Address of Reporting Person * |         |          | 2. Date of Event Requiring Statement  |  | 3. Issuer Name <b>and</b> Ticker or Trading Symbol  |  |
| Â PLATINUM INVESTMENT MANAGEMENT LTD      |         |          | (Month/Day/Year)  |  | VEECO INSTRUMENTS INC [VECO]  |  |
| (Last)                                    | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer  |  | 5. If Amendment, Date Original Filed(Month/Day/Year)  |  |
| LEVEL 8,Â 7 MACQUARIE PLACE               |         |          | (Check all applicable)  |  |   |  |
| (Street)                                  |         |          | <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner<br><input type="checkbox"/> Officer <input type="checkbox"/> Other<br>(give title below)    (specify below) |  | 6. Individual or Joint/Group Filing(Check Applicable Line)  |  |
| SYDNEY,Â C3Â 2000                         |         |          |   |  | <input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person |  |
| (City)                                    | (State) | (Zip)    |   |  |   |  |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security<br>(Instr. 4)                  | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|---|--|---|--|
| No securities are beneficially owned <sup>(1)</sup> | 0  | I   | By managed account <sup>(1)</sup>                        |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**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.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|---|---|--|---|---|--|
|---|---|--|---|---|--|

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|             |            |       |           |          |             |
|-------------|------------|-------|-----------|----------|-------------|
| Date        | Expiration | Title | Amount or | Security | Direct (D)  |
| Exercisable | Date       |       | Number of |          | or Indirect |
|             |            |       | Shares    |          | (I)         |
|             |            |       |           |          | (Instr. 5)  |

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

|          |           |         |       |
|----------|-----------|---------|-------|
| Director | 10% Owner | Officer | Other |
|----------|-----------|---------|-------|

PLATINUM INVESTMENT MANAGEMENT LTD  
 LEVEL 8  
 7 MACQUARIE PLACE  
 SYDNEY, NSW 2000

|   |     |   |   |
|---|-----|---|---|
| ^ | ^ X | ^ | ^ |
|---|-----|---|---|

## Signatures

/s/ Kirsten  
 Booth

01/25/2008

\*\*Signature of  
 Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).

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

(1) The reporting person has no pecuniary interest in the securities held by managed account, in accordance with Rule 16a-1(a)(2)(ii)(C)

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

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