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NOVA MEASURING INSTRUMENTS LTD
Form SC 13G
March 23, 2007

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO RULES 13d-1(b) (c), AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2 (b)

(Amendment No.)

Nova Measuring Instruments, Ltd.

(Name of Issuer)

Ordinary Shares, Par Value NIS 0.01

(Title of Class of Securities)

M7516K103

(CUSIP Number)

March 14, 2007

(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)

CUSIP No. M7516K103

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

Rima Management, LLC

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

(a)

(b)

3. SEC USE ONLY

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4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

1,640,673

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

1,640,673

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,640,673

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

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

9.09%

12. TYPE OF REPORTING PERSON*

00

CUSIP No. M7516K103

1. NAME OF REPORTING PERSONS

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

Richard Mashaal

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

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

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Canada

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

1,640,673

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

1,640,673

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,640,673

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

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

9.09%

12. TYPE OF REPORTING PERSON*

IN

CUSIP No. M7516K103

Item 1(a). Name of Issuer:

Nova Measuring Instruments, Ltd.

Item 1(b). Address of Issuer's Principal Executive Offices:

Weitzmann Science Park, Building 22
P.O. Box 266
Rehovoth 76100
Israel

Item 2(a). Name of Person Filing:

Rima Management, LLC
Richard Mashaal

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Item 2(b). Address of Principal Business Office, or if None, Residence:

110 East 55th Street
Suite 1600
New York, New York 10022

Item 2(c). Citizenship:

Rima Management, LLC - Delaware
Richard Mashaal - Canada

Item 2(d). Title of Class of Securities:

Ordinary Shares, Par Value NIS 0.01

Item 2(e). CUSIP Number:

M7516K103

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.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:

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Rima Management, LLC - 1,640,673
Richard Mashaal - 1,640,673

(b) Percent of class:

Rima Management, LLC - 9.09%
Richard Mashaal - 9.09%

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

Rima Management, LLC:

| | | |
|--|-----------|--------|
| (i) Sole power to vote or to direct the vote | 0 | -----, |
| (ii) Shared power to vote or to direct the vote | 1,640,673 | -----, |
| (iii) Sole power to dispose or to direct the disposition of | 0 | -----, |
| (iv) Shared power to dispose or to direct the disposition of | 1,640,673 | -----. |

Richard Mashaal:

| | | |
|--|-----------|--------|
| (i) Sole power to vote or to direct the vote | 0 | -----, |
| (ii) Shared power to vote or to direct the vote | 1,640,673 | -----, |
| (iii) Sole power to dispose or to direct the disposition of | 0 | -----, |
| (iv) Shared power to dispose or to direct the disposition of | 1,640,673 | -----. |

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 [].

Not applicable

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

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If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

Not applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

If a parent holding company or Control person has filed this schedule, pursuant to Rule 13d-1(b)(1)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

Not applicable

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

If a group has filed this schedule pursuant to s.240.13d-1(b)(1)(ii)(J), so indicate under Item 3(j) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to s.240.13d-1(c) or s.240.13d-1(d), attach an exhibit stating the identity of each member of the group.

Not applicable

Item 9. Notice of Dissolution of Group.

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See Item 5.

Not applicable

Item 10. Certifications.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above 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 such purpose or effect.

SIGNATURE

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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.

March 23, 2007

(Date)

RIMA MANAGEMENT, LLC*

By: /s/ George Malikotsis

George Malikotsis
Vice President

RICHARD MASHAAL*

By: /s/ Richard Mashaal

(signature)

Note. Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties for whom copies are to be sent.

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

* The Reporting Persons disclaim beneficial ownership in the Shares reported herein except to the extent of their pecuniary interest therein.

Exhibit A

AGREEMENT

Each of the undersigned hereby consents and agrees to this joint filing on Schedule 13G for the Ordinary Shares, Par Value NIS 0.01 per share of Nova Measuring Instruments, Ltd.

Dated: March 23, 2007

RIMA MANAGEMENT, LLC

By: /s/ George Malikotsis

George Malikotsis
Vice President

RICHARD MASHAAL

By: /s/ Richard Mashaal

(signature)

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