FORM 6-K

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Report of Foreign Private Issuer

Pursuant to Rule 13a-16 or 15d-16 of the Securities Exchange Act of 1934

For the month of March, 2011

Commission File Number 1-15236

Advantest Corporation (Translation of Registrant's Name Into English)

Shin Marunouchi Center Building
1-6-2, Marunouchi
Chiyoda-ku
Tokyo 100-0005
Japan
(Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F b Form 40-F o

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): o

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): o

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes o No b

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

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1. English translation of a press release by Advantest Corporation dated March 28, 2011 U.S. time, regarding the acquisition of shares of Verigy Ltd.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Advantest Corporation

By: /s/ Yuichi Kurita Name: Yuichi Kurita

Title: Director and Senior Executive

Officer

Date: March 28, 2011