

ADVANTEST CORP  
Form 6-K  
October 26, 2007  
**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 October, 2007

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.

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Form 20-F x Form 40-F 0

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): \_\_\_\_\_

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): \_\_\_\_\_

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 0 No x

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

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**Materials Contained in this Report:**

1. English translation of the Japanese-language Financial Digest for the interim fiscal period ended September 30, 2007, as filed by the registrant with the Tokyo Stock Exchange on October 26, 2007.
  2. English translation of a press release dated October 26, 2007, relating to Repurchase of Shares of Advantest Corporation.
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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 Managing  
Executive Officer

Date: October 26, 2007