#### 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 July, 2010

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 x 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):

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 o 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. Executive summary of the Japanese-language Quarterly Report, submitted by the registrant to the Director-General of the Kanto Local Finance Bureau of the Ministry of Finance of Japan on July 30, 2010.
- 2. English-language translation of the registrant's Quarterly Consolidated Financial Statements for the fiscal first quarter ended June 30, 2010, filed with the Director-General of the Kanto Local Finance Bureau as part of the registrant's Quarterly Report.

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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, Senior Executive

Officer

Date: July 30, 2010