

AEHR TEST SYSTEMS  
Form 8-K  
September 30, 2010

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 8-K**

**CURRENT REPORT**

**Pursuant to Section 13 OR 15(d) of  
The Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported) **September 30, 2010**

**Aehr Test Systems**

(Exact name of registrant as specified in its charter)

**California**  
(State or other jurisdiction  
of incorporation)

**000-22893**  
(Commission File Number)

**94-2424084**  
(IRS Employer Identification No.)

**400 Kato Terrace**  
**Fremont, California**  
(Address of principal executive offices) **94539**  
(Zip Code)  
Registrant's telephone number, including area code: **510-623-9400**

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(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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**Item 2.02. Results of Operations and Financial Condition.**

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On September 30, 2010 the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

**Item 9.01. Financial Statements and Exhibits.**

Exhibit 99.1. Press release dated September 30, 2010

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**SIGNATURE**

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

**Aehr Test Systems**

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(Registrant)

*/s/* **GARY L. LARSON**

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**September 30, 2010**

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(Date)

Gary L. Larson

*Vice President of Finance and Chief Financial Officer*

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**Exhibit Index**

99.1 Press release dated September 30, 2010