

FORM 10-Q/A  
(Amendment No. 1)

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

=====  
[X] QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

For the Quarter Ended: December 31, 1997  
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[ ] TRANSITION REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File Number: 0-11412  
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AMTECH SYSTEMS, INC.

-----  
(Exact name of Registrant as specified in its charter)

-----  
Arizona

86-0411215

-----  
(State or other jurisdiction of  
incorporation or organization)

(I.R.S. Employer  
Identification No.)

-----  
131 South Clark Drive, Tempe, Arizona

85281

-----  
(Address of Principal Executive Offices)

(Zip Code)

-----  
Registrant's telephone number, including area code (602) 967-5146  
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The undersigned Registrant hereby amends its Form 10-Q for the Quarter  
ended December 31, 1997, as follows:

Exhibit 27 is hereby replaced in its entirety with the Exhibit 27 filed  
with this amendment. This filing is being made to correct an inadvertent error  
in the eps-primary figure previously disclosed in this schedule.

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.

AMTECH SYSTEMS, INC.

by /s/ Robert T. Hass  
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Robert T. Hass, Vice-President and  
Chief Financial Officer  
DATED: February 19, 1998

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THIS SCHEDULE CONTAINS SUMMARY FINANCIAL INFORMATION EXTRACTED FROM THE BALANCE SHEET AS OF DECEMBER 31, 1997, AND THE STATEMENT OF OPERATION AND THE STATEMENT OF CASH FLOW FOR THE THREE MONTHS ENDED DECEMBER 31, 1997 AND IS QUALIFIED IN ITS ENTIRETY BY REFERENCE TO SUCH QUARTERLY REPORT ON FORM 10-Q FOR THE QUARTER ENDED DECEMBER 31, 1997.

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