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): May 3, 2011

TECHNE CORPORATION (Exact Name of Registrant as Specified in Charter)

Minnesota0-1727241-1427402(State or Other Jurisdiction(CommissionI.R.S. Employerof Incorporation)File Number)Identification No.)

614 Mckinley Place NE Minneapolis, MN 55413 (Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code: (612) 379-8854

Not Applicable (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 obligations 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))

Item 2.02 Results of Operations and Financial Condition

A copy of the press release issued by Techne Corporation on May 3, 2011, describing the results of operations for the quarter and nine months ended March 31, 2011 and its financial condition as of March 31, 2011, is attached hereto as Exhibit 99.1.

Segment information for Techne Corporation for the quarter and nine months ended March 31, 2011 which has been included on Techne Corporation's website (www.techne-corp.com), is attached hereto as Exhibit 99.2.

The information in this Form 8-K and the Exhibits attached hereto shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits

99.1 Press Release dated May 3, 2011.

99.2 Segment information for the quarter and nine months ended March 31, 2011.

SIGNATURE

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 hereunto duly authorized.

Dated: May 3, 2011

TECHNE CORPORATION By: /s/ Thomas E. Oland

Name: Thomas E. Oland Title: President and Chief Executive Officer

EXHIBIT INDEX

Exhibit No. Description

99.1 Press release of Techne Corporation dated May 3, 2011.

99.2 Segment information for Techne Corporation for the quarter and nine months ended March 31, 2011.

TECHNE CORPORATION RELEASES UNAUDITED THIRD QUARTER RESULTS FOR FISCAL YEAR 2011

Minneapolis/May 3, 2011/ Techne Corporation's (NASDAQ: TECH) consolidated pretax net earnings for the quarter ended March 31, 2011 increased 9.5% to \$45.4 million compared with \$41.4 million for the quarter ended March 31, 2010, mainly as a result of increased sales and foreign exchange transaction gains, partially offset by increased selling, general and administrative expenses. For the nine months ended March 31, 2011, Techne's consolidated pretax net earnings increased 3.5% to \$122.0 million compared with \$117.8 million per share for the nine months ended March 31, 2010, primarily as a result of increased sales and foreign exchange transaction gains.

Techne's consolidated net earnings for the quarter ended March 31, 2011 decreased 4.1% to \$31.1 million or \$0.84 per diluted share compared with \$32.4 million or \$0.87 per diluted share for the quarter ended March 31, 2010. For the nine months ended March 31, 2011, Techne's consolidated net earnings increased 0.1% to \$84.0 million or \$2.26 per diluted share compared to \$83.9 million or \$2.25 per diluted share for the nine months ended March 31, 2010. The March 31, 2010 quarter and nine month results included a \$4.7 million tax benefit, equating to \$.12 per share, from a foreign exchange tax loss on Techne's repatriation of 50 million pound sterling from R&D Systems Europe to its U.S. based parent.

Consolidated net sales for the quarter and nine months ended March 31, 2011 were \$76.3 million and \$211.9 million, increases of 8.5% and 4.7%, respectively, from the quarter and nine months ended March 31, 2010. Consolidated net sales for the quarter were positively affected by a weaker U.S. dollar as compared to foreign currencies for the quarter ended March 31, 2010. Consolidated net sales for the nine months were negatively affected by a stronger U.S. dollar as compared to foreign currencies for the nine months ended March 31, 2010. Excluding the effect of changes in foreign currency exchange rates, consolidated net sales increased 7.8% and 5.7% for the quarter and nine months ended March 31, 2011, respectively, from the comparable prior-year periods.

Biotechnology net sales, which include sales by R&D Systems' Biotechnology Division, R&D Systems China and BiosPacific, were \$49.9 million for the quarter ended March 31, 2011, an increase of 8.1% from \$46.2 million for the quarter ended March 31, 2010. North American biotechnology sales to industrial pharmaceutical and biotechnology customers increased 9.9% during the third quarter of fiscal 2011 as compared to the third quarter of fiscal 2010. Biotechnology sales to academic customers, sales to Pacific Rim distributors and sales in China grew 6.4%, 3.3% and 46.0%, respectively, in the third quarter of fiscal 2011 as compared to the third quarter of fiscal 2010. Biotechnology sales for the nine months ended March 31, 2011, were \$141.0 million, an increase of 6.3% from \$132.6 million for the nine months ended March 31, 2010. North American biotechnology sales to industrial pharmaceutical and biotechnology customers increased 5.7% during the nine months ended March 31, 2011 as compared to the first nine months of fiscal 2010. Biotechnology sales to academic customers, to Pacific Rim distributors, and sales in China grew 7.7%, 2.4% and 25.3%, respectively, in the first nine months of fiscal 2011.

R&D Europe's net sales for the quarter and nine months ended March 31, 2011 were \$21.2 million and \$56.2 million, increases of 10.5% and 0.8%, respectively, from the same prior-year periods. R&D Europe's net sales increased 8.4% and 4.4% for the quarter and nine months ended March 31, 2011 when measured at currency rates in effect in the comparable prior-year period. Hematology net sales for the quarter and nine months ended March 31, 2011 were \$5.2 million and \$14.7 million, increases of 4.3% and 5.4% from the comparable prior-year periods.

Selling, general and administrative expenses for the quarter and nine months ended March 31, 2011 increased \$1.6 million (20.4%) and \$439,000 (1.8%) from the quarter and nine months ended March 31, 2010. The increase in selling, general and administrative expense for the quarter and nine months resulted primarily from increased profit sharing expense of \$704,000 and \$418,000, respectively.

Foreign exchange transaction gains for the quarter and nine months ended

March 31, 2011 were \$249,000 and \$667,000, respectively, compared to foreign exchange transaction losses of \$372,000 and \$329,000 for the quarter and nine months ended March 31, 2010, respectively.

The effective tax rate for the quarter and nine months ended March 31, 2011 was 31.6% and 31.2% as compared to 21.8% and 28.8% for the same prior-year periods. The effective rates for the prior year periods were abnormally low due to the tax benefit received following repatriation of funds from the U.K. to the U.S. Excluding this benefit, the effective tax rates for the quarter and nine months ended March 31, 2010 would have been 33.1% and 32.8% for the quarter and nine months ended March 31, 2010, respectively, The improvement in the effective tax rate in fiscal 2011 was the result of renewal of the U.S. research and development credit and an increase in the deduction for qualified production activities.

Under separate press releases, the Company has announced two acquisitions subsequent to March 31, 2011. On April 1, 2011, the Company, through its R&D Systems and R&D Europe subsidiaries, acquired the assets of Boston Biochem, Inc., a Massachusetts based company, and Boston Biochem Limited, a U.K. based company. Boston Biochem, Inc. is a leading developer and manufacturer of innovative ubiquitin-related research products and Boston Biochem Limited was its Euorpean distributor. The two companies had combined product sales of approximately \$2.5 million in calendar 2010. The combined Boston Biochem assets were acquired for approximately \$8.0 million cash.

On April 28, 2011, the Company, through its R&D Systems and R&D Europe subsidiaries, acquired 100% ownership of Tocris Holdings Limited and Subsidiaries (Tocris). Tocris is a U.K based holding company with a development and manufacturing subsidiary located in Bristol, U.K. and a distribution subsidiary located in Missouri. Tocris is a leading supplier of reagents for non-clinical life science research. Tocris has a strong track record of profitable, cash generative growth with calendar 2010 revenues of approximately 11.7 million British pounds sterling (\$18.2 million). Tocris was acquired for 75 million British pounds sterling (approximately \$124 million) in cash.

Forward Looking Statements:

Our press releases may contain forward-looking statements within the meaning of the Private Litigation Reform Act. Such statements involve risks and uncertainties that may affect the actual results of operations. The following important factors, among others, have affected and, in the future, could affect the Company's actual results: the introduction and acceptance of new biotechnology and hematology products, the levels and particular directions of research by the Company's customers, the impact of the growing number of producers of biotechnology research products and related price competition, general economic conditions, the retention of hematology OEM and proficiency survey business, the impact of currency exchange rate fluctuations, and the costs and results of research and product development efforts of the Company and of companies in which the Company has invested or with which it has formed strategic relationships.

For additional information concerning such factors, see the Company's annual report on Form 10-K and quarterly reports on Form 10-Q as filed with the Securities and Exchange Commission. We undertake no obligation to update or revise any forward-looking statements we make in our press releases due to new information or future events. Investors are cautioned not to place undue emphasis on these statements.

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Techne Corporation has two operating subsidiaries: Research and Diagnostic Systems, Inc. (R&D Systems) of Minneapolis, Minnesota and R&D Systems Europe, Ltd. (R&D Europe) of Abingdon, England. R&D Systems is a specialty manufacturer of biological products. R&D Systems has three subsidiaries, BiosPacific, Inc. (BiosPacific), located in Emeryville, California, Boston Biochem, Inc., located in Cambridge, Massachusetts, and R&D Systems China Co. Ltd., (R&D China), located in Shanghai, China. BiosPacific is a worldwide supplier of biologics to manufacturers of in vitro diagnostic systems and immunodiagnostic kits. Boston Biochem is a leading developer and manufacturer

of ubiquitin-related research products. R&D China and R&D Europe distribute biotechnology products.

Contact: Greg Melsen, Chief Financial Officer

Kathy Backes, Controller (612) 379-8854

TECHNE CORPORATION CONSOLIDATED STATEMENTS OF EARNINGS (In thousands, except per share data) (Unaudited)		
	QUARTER ENDED NINE MONTHS ENDED	
	3/31/11 3/31/10 3/31/11 3/31/10	
Net sales Cost of sales	\$76,271 \$70,278 \$211,924 \$202,333 15,833 14,399 46,292 40,629	
Gross margin	60,438 55,879 165,632 161,704	
Operating expenses:Selling, general and administrative9,2337,66625,15024,711Research and development6,2976,32519,51918,870Amortization of intangible assets170240511720		
Total operating expenses 15,700 14,231 45,180 44,301		
Other income (expense): Interest income 1,067 1,040 2,934 3,364 Other non-operating expense, net (421) (1,249) (1,376) (2,922)		
Total other (expense) income 646 (209) 1,558 442		
Earnings before income taxes 45,384 41,439 122,010 117,845 Income taxes 14,321 9,051 38,039 33,964		
Net earnings	\$31,063 \$32,388 \$ 83,971 \$ 83,881	
Earnings per share: Basic Diluted	\$ 0.84 \$ 0.87 \$ 2.26 \$ 2.25 \$ 0.84 \$ 0.87 \$ 2.26 \$ 2.25	
Weighted average common shares outstanding:		
Basic Diluted	37,119 37,292 37,084 37,263 37,194 37,380 37,153 37,357	

TECHNE CORPORATION CONSOLIDATED BALANCE SHEETS (In thousands) (Unaudited)

3/31/11 6/30/10 -----

ASSETS	
Cash and equivalents	\$158,628 \$ 94,139
Short-term available-for-sale inv	vestments 55,270 44,672
Trade accounts receivable	35,554 30,850
Other receivables	1,960 1,532
Inventory	13,619 13,737
Other current assets	11,695 16,110
Current assets	276,726 201,040
Available-for-sale investments	163,793 171,171
Property and equipment, net	94,145 97,400
Goodwill and intangible assets,	net 26,601 27,112

Other non-current assets	21,554	22,093
Total assets	\$582,819 \$51	8,816
LIABILITIES AND STOCI Current liabilities Stockholders' equity	KHOLDERS' EQU \$ 16,542 \$ 1 566,277	7,024

Total liabilities and stockholders' equity \$582,819 \$518,816

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SEGMENT INFORMATION TECHNE CORPORATION AND SUBISIDARIES (in thousands of \$'s, except per share data)

Increase (Decrease) Fiscal 2011 From Fiscal 2010 -----First Second Third Percent First Second Third Qtr. Qtr. Qtr. YTD Of Sales Qtr. Qtr. Qtr. YTD ----- ----- ------ ----- -----67,945 67,708 76,271 211,924 100% 1,411 2,187 5,993 9,591 Sales Cost of sales 15,241 15,218 15,833 46,292 22% 2,340 1,889 1,434 5,663 ----- ----- ----- ----- -----Gross margin 52,704 52,490 60,438 165,632 78% (929) 298 4,559 3,928 Gross margin percentage 77.6% 77.5% 79.2% 78.2% SG&A expense 7,552 8,365 9,233 25,150 12% (486) (642)1,567 439 R&D expense 6,619 6,603 6,297 19,519 8% 465 212 (28) 649 Amortization expense 170 171 170 511 -- (70) (69) (70) (209) Interest income (847) (1,020) (1,067) (2,934) (1%) 321 136 (27) 430 Other non-operating ex., net 257 698 421 1,376 1% (405) (313) (828)(1,546) _____ 13,751 14,817 15,054 43,622 20% (175) (676) 614 (237) ----- ----- ----- ----- -----Earnings before income taxes 38,953 37,673 45,384 122,010 58% (754) 974 3,945 4,165 Income taxes 12,580 11,139 14,320 38,039 18% (355) (839)5,269 4,075 ----- ----- ----- ----- -----26,373 26,534 31,064 83,971 40% (399) 1,813(1,324) 90 _____ ____ Diluted earnings per share 0.71 0.71 0.84 2.26 Weighted average diluted shares outstanding 37,107 37,156 37,194 37,153

> **BIOTECHNOLOGY** (1) (in thousands of \$'s)

Increase (Decrease) Fiscal 2011 From Fiscal 2010 _____

First Second Third Percent First Second Third Qtr. Qtr. Qtr. YTD Of Sales Qtr. Qtr. YTD _____

54,141 52,652 59,190 165,983 100% 2,445 1,949 4,954 9,348 Sales Intersegment

sales (7,491)(8,217)(9,251)(24,959) 177 65(1,194)(952)----- ----- -----

46,650 44,435 49,939 141,024 2,622 2,014 3,760 8,396

Cost of sales 11,689 11,665 11,860 35,214 21% 1,804 1,539 701 4,044 Intersegment

(7,578)(8,251)(9,048)(24,877) 20 (498)(712)(1,190)sales

4,111 3,414 2,812 10,337 1,824 1,041 (11) 2,854

Gross margin 42,539 41,021 47,127 130,687 79% 798 973 3,771 5,542

Gross margin percentage 78.4% 77.8% 80.0% 78.8%

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SG&A expense 4,583 4,780 5,691 15,054 9% (151) (276)1,066 639 R&D expense 6,421 6,379 6,104 18,904 12% 465 189 (23) 631 Amortization

 expense
 170
 171
 170
 511
 -- (70)
 (69)
 (70)
 (209)

 Interest income (581)
 (715)
 (763)
 (2,059)
 (1%)
 190
 57
 (57)
 190

 Exchange loss/
 gain
 (8)
 (10)
 (7)
 (25)
 - (10)
 (11)
 (7)
 (28)

 10,585
 10,605
 11,195
 32,385
 20%
 424
 (110)
 909
 1,223

 Pretax result 31,954
 30,416
 35,932
 98,302
 59%
 374
 1,083
 2,862
 4,319

(1) Includes R&D Systems' Biotechnology Division, BiosPacific, Inc. and R&D China

R&D SYSTEMS EUROPE (in thousands of Br. pounds)

Increase (Decrease) Fiscal 2011 From Fiscal 2010 _____ First Second Third Percent First Second Third Qtr. Qtr. Qtr. YTD Of Sales Qtr. Qtr. Qtr. YTD ----- ----- ----- -----Sales 10,571 11,767 13,218 35,556 100% (310) 305 922 917 Cost of sales 5,561 5,742 6,477 17,780 50% 500 454 653 1,607 _____ ____ Gross margin 5,010 6,025 6,741 17,776 50% (810) (149) 269 (690) Gross margin percentage 47.4% 51.2% 51.0% 50.0% SG&A expense 1,188 1,274 1,356 3,818 11% (3) (44) 96 49 Interest income (52) (65) (68) (185) (1%) 35 14 0 49 Exchange loss/ (gain) (323) 58 (150) (415) (1%) (234) (3) (387) (624) __ . ----- ----- ------ -----813 1,267 1,138 3,218 9% (202) (33) (291) (526) ----- ----- ------ ----- ----- -----Pretax result 4,197 4,758 5,603 14,558 41% (608) (116) 560 (164)

R&D SYSTEMS EUROPE (in thousands of \$'s)

_____ ____

Increase (Decrease) Fiscal 2011 From Fiscal 2010 -----First Second Third Percent First Second Third Qtr. Qtr. Qtr. YTD Of Sales Qtr. Qtr. YTD ----- ----- ------ ----- -----16,391 18,645 21,181 56,217 100% (1,447) (130)2,020 443 Sales Cost of sales 8,621 9,097 10,379 28,097 50% 326 433 1,308 2,067 ----- ----- ----- ----- ----- -----Gross margin 7,770 9,548 10,802 28,120 50% (1,773) (563) 712 (1,624) Gross margin percentage 47.4% 51.2% 51.0% 50.0% SG&A expense 1,842 2,017 2,173 6,032 11% (110) (142) 206 (46) Interest income (81) (103) (108) (292) (1%) 62 25 0 87 Exchange loss/ (497) 97 (242) (642) (1%) (352) (2) (614) (968) (gain) -- ----- ----- ----- -----1,264 2,011 1,823 5,098 9% (400) (119) (408) (927) ----- ----- -----

Pretax result 6,506 7,537 8,979 23,022 41% (1,373) (444)1,120 (697)

HEMATOLOGY (in thousands of \$'s)

Increase (Decrease)Fiscal 2011From Fiscal 2010		
First Second Third Percent First Second Third Qtr. Qtr. Qtr. YTD Of Sales Qtr. Qtr. YTD		
Sales 4,904 4,628 5,151 14,683 100% 236 303 213 752 Cost of sales 2,509 2,707 2,642 7,858 54% 190 415 137 742		
Gross margin 2,395 1,921 2,509 6,825 46% 46 (112) 76 10		
Gross margin percentage 48.8% 41.5% 48.7% 46.5%		
SG&A expense 328 336 438 1,102 7% (42) (30) 92 20 R&D expense 198 224 193 615 4% 23 (5) 18 Interest income (53) (66) (69) (188) (1%) 19 6 (4) 21		
473 494 562 1,529 10% (23) (1) 83 59		
Pretax result 1,922 1,427 1,947 5,296 36% 69 (111) (7) (49)		

CORPORATE AND OTHER (2) (in thousands of \$'s)

Increase (Decrease)Fiscal 2011From Fiscal 2010		
First Second Third First Second Third Qtr. Qtr. Qtr. YTD Qtr. Qtr. Qtr. YTD		
Interest income 132 136 127 395 (50) (48) (34) (132) Rental income 123 138 114 375 42 23 31 96		
255 274 241 770 (8) (25) (3) (36)		
SG&A expense 799 1,232 931 2,962 (183) (194) 203 (174) Other-Building expenses 556 531 586 1,673 8 1 (7) 2 Other-Equity Investment losses 329 218 198 745 (9) (278) (169) (456)		
1,684 1,981 1,715 5,380 (184) (471) 27 (628)		
Pretax result (1,429) (1,707) (1,474) (4,610) 176 446 (30) 592		

(2) Unallocated corporate expenses and Techne's share of losses by Hemerus Medical, LLC and Nephromics, LLC.