

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

| OMB APPROVAL | |
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| OMB Number: | 3235-0287 |
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

| | | | | | |
|--|---------|--|---|--|--|
| 1. Name and Address of Reporting Person * HOLBROOK KAREN A | | 2. Issuer Name and Ticker or Trading Symbol BIO-TECHNE Corp [TECH] | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> 10% Owner <input type="checkbox"/> Other (specify below) | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 10/30/2014 | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person |
| (Street) 614 MCKINLEY PLACE NE | | | 4. If Amendment, Date Original Filed (Month/Day/Year) | | |
| (City) (State) (Zip) MINNEAPOLIS, MN 55413 | | | | | |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 10/30/2014 | | A | | 1,000 | A | \$ 0 | 2,000 | D | |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number. SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|---|-----|--|-----------------|---|--|--|--|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | |
| Stock Option (right to buy) | \$ 91.78 | 10/30/2014 | | A | | 4,000 | | 10/30/2014 | 10/30/2024 | Common Stock | \$ 0 | 4,000 | D | |
| Stock Option (right to buy) | \$ 87.39 | | | | | | | 10/31/2013 | 10/30/2023 | Common Stock | | 4,000 | D | |
| Stock Option (right to buy) | \$ 66.9 | | | | | | | 10/25/2012 | 10/24/2022 | Common Stock | | 5,000 | D | |
| Stock Option (right to buy) | \$ 70.35 | | | | | | | 10/27/2011 | 10/26/2021 | Common Stock | | 5,000 | D | |
| Stock Option (right to buy) | \$ 61.46 | | | | | | | 10/28/2010 | 10/27/2020 | Common Stock | | 5,000 | D | |
| Stock Option (right to buy) | \$ 63.03 | | | | | | | 10/29/2009 | 10/28/2019 | Common Stock | | 5,000 | D | |
| Stock Option (right to buy) | \$ 65.47 | | | | | | | 10/23/2008 | 10/22/2018 | Common Stock | | 5,000 | D | |
| Stock Option (right to buy) | \$ 66.59 | | | | | | | 10/25/2007 | 10/24/2017 | Common Stock | | 5,000 | D | |

buy)

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| HOLBROOK KAREN A 614 MCKINLEY PLACE NE MINNEAPOLIS, MN 55413 | X | | | |

Signatures

| | | |
|--|--|-----------------------------------|
| /s/ Elizabeth M. Dunshee as Attorney-in-Fact for Karen A. Holbrook pursuant to Power of Attorney filed herewith. <small>**Signature of Reporting Person</small> | | 11/03/2014 <small>Date</small> |
|--|--|-----------------------------------|

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

POWER OF ATTORNEY

The undersigned hereby constitutes and appoints Brenda S. Furlow, James Hippel, Melodie R. Rose and Elizabeth M. Dunshee, or either of them acting alone, the undersigned's true and lawful attorneys-in-fact and agent with full power of substitution and resubstitution, for the undersigned and in the undersigned's name, place and stead, in any and all capacities, to sign any or all Forms 3, Forms 4 and Forms 5 relating to beneficial ownership of securities of Techne Corporation (the "Issuer"), to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission and to deliver a copy of the same to the Issuer, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as the undersigned might or could do in person, hereby ratifying and confirming all said attorneys-in-fact and agent, or his substitute or substitutes, may lawfully do or cause to be done by virtue thereof. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in effect until such time as the undersigned is no longer subject to the provisions of Section 16 of the Securities Exchange Act of 1934 with respect to securities of the Issuer.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 30th day of October, 2014.

/s/ Karen A. Holbrook