

Greiner Charles R
 Form 3
 December 10, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

| | | | | |
|---|---------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Greiner Charles R | | (Month/Day/Year) | ANGIODYNAMICS INC [ANGO] | |
| (Last) | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| | | 10/26/2012 | | |
| 14 PLAZA DRIVE | | | (Check all applicable) | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| (Street) | | | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| | | | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other | <input type="checkbox"/> Form filed by More than One Reporting Person |
| | | | (give title below) (specify below) | |
| | | | VP - Global Franchise | |
| LATHAM,Â NYÂ | 12110 | | | |
| (City) | (State) | (Zip) | | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 7,512 | D | Â |
| Common Stock | 1,875 ⁽¹⁾ | D | Â |
| Common Stock | 3,050 ⁽²⁾ | D | Â |
| Common Stock | 4,650 ⁽³⁾ | D | Â |
| Common Stock | 7,000 ⁽⁴⁾ | D | Â |

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

SEC 1473 (7-02)

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

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| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|--|--------------------|--|----------------------------------|--|--|--|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |
| Non-Qualified Stock Option (right to buy) | Â (5) | 07/20/2014 | Common Stock | \$ 4,373 | \$ 13.18 | D | Â |
| Non-Qualified Stock Option (right to buy) | Â (6) | 01/18/2015 | Common Stock | 400 | \$ 20.7 | D | Â |
| Non-Qualified Stock Option (right to buy) | Â (7) | 07/29/2015 | Common Stock | 3,700 | \$ 24.21 | D | Â |
| Non-Qualified Stock Option (right to buy) | Â (8) | 08/15/2016 | Common Stock | 4,700 | \$ 18.4 | D | Â |
| Non-Qualified Stock Option (right to buy) | Â (9) | 08/06/2015 | Common Stock | 14,100 | \$ 15.27 | D | Â |
| Non-Qualified Stock Option (right to buy) | Â (10) | 07/27/2014 | Common Stock | 9,300 | \$ 17.76 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Greiner Charles R 14 PLAZA DRIVE LATHAM, NY 12110 | Â | Â | Â VP - Global Franchise | Â |

Signatures

/s/ Stephen A. Trowbridge, Attorney
in Fact

12/10/2012

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).
- (1) Represents 1,875 restricted stock units, each of which represents a contingent right to receive one share of AngioDynamics, Inc. common stock. The restricted stock units vest in four equal annual installments beginning on 09/04/2010.
 - (2) Represents 3,050 restricted stock units, each of which represents a contingent right to receive one share of AngioDynamics, Inc. common stock. The restricted stock units vest in four equal annual installments beginning on 08/03/2011.
 - (3) Represents 4,650 restricted stock units, each of which represents a contingent right to receive one share of AngioDynamics, Inc. common stock. The restricted stock units vest in four equal annual installments beginning on 08/03/2012.
 - (4) Represents 7,000 restricted stock units, each of which represents a contingent right to receive one share of AngioDynamics, Inc. common stock. The restricted stock units vest in four equal annual installments beginning on 08/03/2013.

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- (5) Options for 25% of the shares became exercisable on 07/20/2005, 07/20/2006, 07/20/2007 and 07/20/2008.
- (6) Options for 25% of the shares became exercisable on 01/18/2006, 01/18/2007, 01/18/2008 and 01/18/2009.
- (7) Options for 25% of the shares became exercisable on 07/29/2006, 07/29/2007, 07/29/2008 and 07/29/2009.
- (8) Options for 25% of the shares became exercisable on 08/15/2007, 08/15/2008, 08/15/2009 and 08/15/2010.
- (9) Options for 25% of the shares became exercisable on 08/06/2009, 08/06/2010, 08/06/2011 and 08/06/2012.
- (10) Options for 25% of the shares became exercisable on 07/27/2008, 07/27/2009, 07/27/2010 and 07/27/2011.

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Remarks:

ExhibitÂ List:Â Â ExhibitÂ 24.1Â -Â PowerÂ ofÂ Attorney

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

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