

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 <b>and</b> 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
LATHAM,Â NYÂ 12110			<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input type="checkbox"/> Form filed by More than One Reporting Person
(City)	(State)	(Zip)	(give title below) (specify below)	
			VP - Global Franchise	

**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 <sup>(1)</sup>	D	Â
Common Stock	3,050 <sup>(2)</sup>	D	Â
Common Stock	4,650 <sup>(3)</sup>	D	Â
Common Stock	7,000 <sup>(4)</sup>	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					
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.

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.