

MAINGOT LAWRENCE C  
Form 3  
April 20, 2011

**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 MAINGOT LAWRENCE C		(Month/Day/Year)	GENCOR INDUSTRIES INC [GNCI]	
(Last)	(First)	(Middle)	06/25/2010	
5201 N. ORANGE BLOSSOM TRAIL			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
ORLANDO, FL 32810			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			Interim CFO	

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

SEC 1473 (7-02)

**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.**

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

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)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

# Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MAINGOT LAWRENCE C 5201 N. ORANGE BLOSSOM TRAIL ORLANDO, FL 32810	Â	Â	Â Interim CFO	Â

## Signatures

/s/ Lawrence C. Maingot 04/20/2011

\*\*Signature of Reporting Person Date

## Explanation of Responses:

### No securities are beneficially owned

- \* 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).

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### Remarks:

Lawrence C. Maingot served as Interim CFO for the period June 25, 2010 through July 11, 2010.

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. 2,000 (3) I By Daughter

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

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**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 Underlying Security (Instr. 3 and 4)
	\$ 43.53	05/17/2006		M(1)	49,719	02/14/2003(5) 02/14/2012	

Non-qualified  
Stock Options  
(4)

Common  
Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LAI GOLDMAN MYLA 430 SOUTH SPRING STREET BURLINGTON, NC 27215			EVP & Chief Medical Officer	

## Signatures

By: /s/ BRADFORD T. SMITH, Attorney-in-Fact for Myla  
Lai-Goldman

05/19/2006

\_\_\_\_Signature of Reporting Person

Date

## 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).
- (1) Pursuant to a plan in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934.
- (2) Amount shown reflects a 2-for-1 stock split effective on May 10, 2002.
- (3) Beneficial ownership of these shares is disclaimed.
- (4) Common stock purchase option granted under the Laboratory Corporation of America Holdings 1999 Amended and Restated Stock Incentive Plan.
- (5) The option vests in three equal annual installments beginning on the date reflected in this column.

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