FORM 6-K SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Report of Foreign Private Issuer

Pursuant to Rule 13a-16 or 15d-16 of the Securities Exchange Act of 1934 For the month of May 2005

> 001-14832 (Commission File Number)

CELESTICA INC.

(Translation of registrant's name into English)

1150 Eglinton Avenue East Toronto, Ontario Canada, M3C 1H7 (416) 448-5800

(Address of principal executive offices)

Form 40-F o

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F ⊠

Rule 12g3-2(b): 82-_

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with

Indicate by check mark whether the registrant is submitting the Regulation S-T Rule 101(b)(1):	Form 6-K in paper as permitted by	
Indicate by check mark whether the registrant is submitting the Regulation S-T Rule 101(b)(7):	Form 6-K in paper as permitted by	
Indicate by check mark whether by furnishing the information contained in this Form, is the registrant also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.		
Yes o	No	\boxtimes

Celestica Inc. Form 6-K Month of May 2005

The following information furnished with this Form 6-K and incorporated by reference herein is incorporated by reference in Celestica's registration statements that are effective under the Securities Act of 1933, as amended, and the prospectuses included therein or delivered pursuant thereto:

Press Release, dated May 16, 2005, the text of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Exhibits

99.1 — Press Release, dated May 16, 2005

SIGNATURES

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, thereunto duly authorized.

CELESTICA INC.

Date: May 17, 2005 By: /s/ ELIZABETH L. DELBIANCO

Elizabeth L. DelBianco Chief Legal Officer QuickLinks

SIGNATURES EXHIBIT INDEX FOR IMMEDIATE RELEASE Monday, May 16, 2005

CELESTICA APPOINTS NEW PRESIDENT AND EXECUTIVE VICE PRESIDENT, WORLDWIDE SALES AND BUSINESS DEVELOPMENT

TORONTO, Ontario — Celestica Inc. (NYSE: CLS, TSX: CLS/SV), a world leader in electronics manufacturing services (EMS), today announced that Craig H. Muhlhauser has been appointed Celestica's president and executive vice president, Worldwide Sales and Business Development, effective immediately.

In his new role, Mr. Muhlhauser will lead Celestica's global sales and business development effort and drive the organization's growth strategy. He will also be responsible for ensuring the company is well positioned to anticipate and meet the dynamic and changing business needs of its customers in the various markets they serve, and growing Celestica's market share in the EMS sector.

Mr. Muhlhauser joins Celestica with over 25 years of sales, marketing and general management experience with leading companies including GE, United Technologies and Ford Motor Company across a wide range of global customers and industries, including consumer, industrial, utility, automotive, aerospace and defense. Most recently, Mr. Muhlhauser was the president and chief executive officer of Exide Technologies, one of the world's largest producers and recyclers of lead acid batteries. Prior to this, he was vice president of Ford Motor Company and president of Visteon Automotive Systems. Mr. Muhlhauser holds a Master of Science degree in Mechanical Engineering and a Bachelor of Science degree in Aerospace Engineering from the University of Cincinnati.

"I am very excited to have Craig Muhlhauser join the Celestica team. I had the pleasure of working with Craig at Ford and know him to be an extremely capable, customer-focused senior executive," said Steve Delaney, CEO, Celestica. "Craig's vast sales and marketing expertise, and his creativity in developing integrated offerings, will be a great asset to Celestica and, ultimately, our customers."

In a related announcement, Marvin MaGee, Celestica's former head of Worldwide Business Development has been named executive vice president, Worldwide Operations. Mr. MaGee brings a wealth of operations expertise in the EMS industry to the role and will be charged with driving operational excellence throughout Celestica's facilities on a global basis. He will be responsible for managing Celestica's global manufacturing network, ensuring the company continues to provide its customers with flawless manufacturing execution, as well as implementing site-to-site consistency in Lean, Six Sigma, organization capability and customer care.

Mr. MaGee has been a key member of Celestica's executive team since he joined the company in 1997. Prior to Celestica, he spent 18 years with IBM Canada where he held a number of senior management positions in manufacturing and development. Mr. MaGee holds a Bachelor of Science degree in Mechanical Engineering from the University of New Brunswick and a Master of Business Administration degree from McMaster University.

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"I am pleased to have Marv MaGee take the Worldwide Operations leadership role," said Steve Delaney. "Marv's exceptional operations and customer experience will assure our vision of deploying the industry's best Lean manufacturing model, which will also benefit our customers greatly."

About Celestica

Celestica is a world leader in the delivery of innovative electronics manufacturing services (EMS). Celestica operates a highly sophisticated global manufacturing network with operations in Asia, Europe and the Americas, providing a broad range of integrated services and solutions to leading OEMs (original equipment manufacturers). Celestica's expertise in quality, technology and supply chain management, and leadership in the global deployment of Lean principles, enables the company to provide competitive advantage to its customers by improving time-to-market, scalability and manufacturing efficiency.

For further information on Celestica, visit its website at http://www.celestica.com.

The company's security filings can also be accessed at http://www.sedar.com and <a href="ht

Safe Harbour and Fair Disclosure Statement

This news release contains forward-looking statements related to our future growth, trends in our industry and our financial and operational results and performance that are based on current expectations, forecasts and assumptions involving risks and uncertainties that could cause actual outcomes and results to differ materially. These risks and uncertainties include, but are not limited to: the challenges of effectively managing our operations during uncertain economic conditions; the challenge of responding to lower-than-expected customer demand; the effects of price competition and other business and competitive factors generally affecting the EMS industry; our dependence on the computer and communications industries; our dependence on a limited number of customers and on industries affected by rapid technological change; component constraints; variability of operating results among periods; and the ability to manage expansion, consolidation and the integration of acquired businesses. These and other risks and uncertainties and factors are discussed in the Company's various public filings at www.sedar.com and https://www.sec.gov, including our Annual Report on Form 20-F and subsequent reports on Form 6-K filed with the Securities and Exchange Commission.

We disclaim any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

In the Company's best judgement, the events noted in this press release on a stand-alone basis are not expected to be material to Celestica's overall financial results.

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CELESTICA APPOINTS NEW PRESIDENT AND EXECUTIVE VICE PRESIDENT, WORLDWIDE SALES AND BUSINESS DEVELOPMENT