

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

Form 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of September, 2019.

Commission File Number: **001-38524**

Titan Medical Inc.

(Exact Name of Registrant as Specified in Charter)

170 University Avenue, Suite 1000

Toronto, Ontario M5H 3B3

Canada

(Address of principal executive offices)

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

Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): X

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

SIGNATURE

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.

TITAN MEDICAL INC.
(Registrant)

Date: September 23, 2019

By: /s/ Stephen Randall
Name: Stephen Randall
Title: Chief Financial Officer

EXHIBIT INDEX

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[News Release dated September 23, 2019.](#)

Titan Medical Announces Overnight Marketed Offering of Units

TORONTO--(BUSINESS WIRE)--September 23, 2019--Titan Medical Inc. (“Titan” or the “Company”) (TSX:TMD) (Nasdaq:TMDI), a medical device company focused on the design, development and commercialization of a robotic surgical system for application in minimally invasive surgery (“MIS”), announced today that it has filed and been receipted for a preliminary short form prospectus (the “Preliminary Prospectus”) with securities regulators in the provinces of Ontario, British Columbia and Alberta. Titan has also filed a corresponding registration statement on Form F-10 (the “Registration Statement”) with the United States Securities and Exchange Commission under the U.S.-Canada Multijurisdictional Disclosure System. Each of these filings is in connection with a proposed marketed offering of units (the “Units”) of the Company (the “Offering”) for total gross proceeds of a minimum of US\$18,000,000 and a maximum of US\$22,000,000. The Preliminary Prospectus and Registration Statement are subject to completion and amendment.

Bloom Burton Securities Inc. (the “Agent”) has been engaged as the Company’s agent for the Offering and the Agent has appointed Northland Securities, Inc. as sub-agent with respect to the offer and sale of the Units in the United States.

Each Unit will be comprised of one common share of the Company and one common share purchase warrant (a “Warrant”). The Offering will be undertaken on a “best efforts” agency basis. The Company also expects to grant to the Agent a 30-day over-allotment option to sell up to an additional 15% of the number of Units and/or Warrants offered in the Offering. The type of security to be distributed, the number of Units to be distributed, the price of each Unit and the exercise price and term of each Warrant will be determined by negotiation between the Company and the Agent in the context of the market with final terms to be determined at the time of pricing.

It is expected that closing of the Offering will occur on or about October 8, 2019, or such other date or dates as the Company and the Agent may agree.

The net proceeds of the Offering will be used to fund continued development work in connection with the Company’s single-port robotic surgical system, as well as for working capital and other general corporate purposes. Further details are disclosed in the Preliminary Prospectus, available at www.sedar.com and the Registration Statement, available at www.sec.gov.

The Offering is subject to a number of customary conditions, including, without limitation, receipt of all regulatory and stock exchange approvals. The Registration Statement has not yet become effective. The Units may not be sold nor may offers to buy be accepted in the United States prior to the time the Registration Statement becomes effective. This news release shall not constitute an offer to sell or the solicitation of an offer to buy, nor shall there be any sale of the Units, in any province, state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of such province, state or jurisdiction.

About Titan

Titan Medical Inc. is focused on computer-assisted robotic surgical technologies for application in MIS. The Company is developing a single-port robotic surgical system comprised of a surgeon-controlled patient cart that includes a dual-view camera system with 3D and 2D high-definition vision options and multi-articulating instruments for performing MIS procedures, and a surgeon workstation that provides an advanced ergonomic interface to the patient cart and a 3D endoscopic view inside the patient's body. Titan intends to initially pursue gynecologic surgical indications for use of its single-port robotic surgical system.

For more information, please visit the Company's website at www.titanmedicalinc.com.

Forward-Looking Statements

This news release contains "forward-looking statements" within the meaning of applicable Canadian and U.S. securities laws. Such statements reflect the current expectations of management of the Company's future growth, results of operations, performance and business prospects and opportunities. Wherever possible, words such as "may", "would", "could", "will", "anticipate", "believe", "plan", "expect", "intend", "estimate", "potential for" and similar expressions have been used to identify these forward-looking statements. These statements, including with respect to the size of the Offering, the granting of the over-allotment option, the closing date of the Offering and the use of the net proceeds of the Offering, reflect management's current beliefs with respect to future events and are based on information currently available to management. Forward-looking statements involve significant risks, uncertainties and assumptions. Many factors could cause the Company's actual results, performance or achievements to be materially different from any future results, performance or achievements that may be expressed or implied by such forward-looking statements, including, without limitation, those listed in the "Risk Factors" section of the Company's Annual Information Form dated March 29, 2019 (which may be viewed at www.sedar.com). Should one or more of these risks or uncertainties materialize, or should assumptions underlying the forward-looking statements prove incorrect, actual results, performance, or achievements may vary materially from those expressed or implied by the forward-looking statements contained in this news release. These factors should be considered carefully, and prospective investors should not place undue reliance on the forward-looking statements. Although the forward-looking statements contained in the news release are based upon what management currently believes to be reasonable assumptions, the Company cannot assure prospective investors that actual results, performance or achievements will be consistent with these forward-looking statements. Except as required by law, the Company expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise.

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