

## FORM 3

UNITED STATES SECURITIES AND EXCHANGE  
COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIES

## OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934  
 or Section 30(h) of the Investment Company Act of 1940

|                                                                                                                                                                                                                                                                 |                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Name and Address of Reporting Person *<br><u>Ramdas Gautam</u><br><br>(Last) (First) (Middle)<br><u>4201 WOODLAND ROAD, POST</u><br><u>OFFICE BOX 69</u><br><br>(Street)<br><u>CIRCLE</u> <u>MN</u> <u>55014</u><br><u>PINES</u><br><br>(City) (State) (Zip) | 2. Date of Event<br>Requiring Statement<br>(Month/Day/Year)<br><u>09/04/2026</u> | 3. Issuer Name and Ticker or Trading Symbol<br><u>NORTHERN TECHNOLOGIES INTERNATIONAL CORP</u><br><u>[ NTIC ]</u><br>Foreign Trading Symbol<br><br>4. Relationship of Reporting Person(s) to<br>Issuer<br>(Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>President and CEO</u><br><br>5. If Amendment, Date of Original<br>Filed (Month/Day/Year)<br><br>6. Individual or Joint/Group Filing<br>(Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting<br>Person<br>Form filed by More than One<br>Reporting Person |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities<br>Beneficially Owned (Instr.<br>4) | 3. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 5) | 4. Nature of Indirect Beneficial<br>Ownership (Instr. 5) |
|---------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|
| Common Stock                    | 75,127.41                                                   | D                                                                 |                                                          |

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<br>Expiration Date<br>(Month/Day/Year) |                    | 3. Title and Amount of Securities<br>Underlying Derivative Security<br>(Instr. 4) |                                        | 4. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 5. Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 5) | 6. Nature of<br>Indirect Beneficial<br>Ownership (Instr.<br>5) |
|--------------------------------------------|----------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------|
|                                            | Date<br>Exercisable                                            | Expiration<br>Date | Title                                                                             | Amount<br>or<br>Number<br>of<br>Shares |                                                                    |                                                                      |                                                                |
| Stock Option (right to buy)                | (1)                                                            | 08/31/2027         | Common Stock                                                                      | 7,468                                  | 9.18                                                               | D                                                                    |                                                                |
| Stock Option (right to buy)                | (1)                                                            | 08/31/2028         | Common Stock                                                                      | 16,638                                 | 18.23                                                              | D                                                                    |                                                                |
| Stock Option (right to buy)                | (1)                                                            | 08/21/2029         | Common Stock                                                                      | 35,362                                 | 10.8                                                               | D                                                                    |                                                                |
| Stock Option (right to buy)                | (1)                                                            | 08/31/2030         | Common Stock                                                                      | 45,720                                 | 8.24                                                               | D                                                                    |                                                                |
| Stock Option (right to buy)                | (1)                                                            | 08/31/2031         | Common Stock                                                                      | 19,905                                 | 16.97                                                              | D                                                                    |                                                                |
| Stock Option (right to buy)                | (1)                                                            | 08/31/2032         | Common Stock                                                                      | 28,649                                 | 11.38                                                              | D                                                                    |                                                                |
| Stock Option (right to buy)                | (1)                                                            | 08/31/2033         | Common Stock                                                                      | 27,361                                 | 13.25                                                              | D                                                                    |                                                                |
| Stock Option (right to buy)                | (2)                                                            | 08/31/2034         | Common Stock                                                                      | 27,434                                 | 13.26                                                              | D                                                                    |                                                                |
| Stock Option (right to buy)                | (3)                                                            | 08/31/2035         | Common Stock                                                                      | 27,333                                 | 7.42                                                               | D                                                                    |                                                                |

## Explanation of Responses:

1. This option has fully vested.  
 2. This option has vested with respect to 18,288 shares and will vest with respect to the remaining shares on September 1, 2027.  
 3. This option has vested with respect to 9,111 shares and will vest with respect to 9,111 shares on each of September 1, 2027 and September 1, 2028.

/s/ Gautam Ramdas

09/09/2026

\*\* Signature of Reporting  
Person

Date

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

\* 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).

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

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 Number.