

Registration No. 333-271080  
Registration No. 333-263940  
Registration No. 333-254344  
Registration No. 333-237476  
Registration No. 333-230506  
Registration No. 333-224003

---

---

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

---

Post-Effective Amendment No. 1 to Form S-8, Registration Statement No. 333-271080  
Post-Effective Amendment No. 1 to Form S-8, Registration Statement No. 333-263940  
Post-Effective Amendment No. 1 to Form S-8, Registration Statement No. 333-254344  
Post-Effective Amendment No. 1 to Form S-8, Registration Statement No. 333-237476  
Post-Effective Amendment No. 1 to Form S-8, Registration Statement No. 333-230506  
Post-Effective Amendment No. 1 to Form S-8, Registration Statement No. 333-224003

*UNDER THE SECURITIES ACT OF 1933*

---

**MOTUS GI HOLDINGS, INC.**  
(Exact name of registrant as specified in its charter)

---

Delaware  
(State or other jurisdiction of  
incorporation or organization)

81-4042793  
(IRS Employer  
Identification No.)

1301 East Broward Boulevard, 3rd Floor  
Ft. Lauderdale, FL 33301  
(Address of Principal Executive Offices, including Zip Code)

Motus GI Holdings, Inc. 2016 Equity Incentive Plan and  
2016 Israeli Sub-Plan to the Motus GI Holdings, Inc. 2016 Equity Incentive Plan  
(Full titles of the plans)

Jeff Varsalone  
1301 East Broward Boulevard, 3rd Floor  
Ft. Lauderdale, FL 33301  
(Name and address of agent for service)

(954) 541-8000  
(Telephone number, including area code, of agent for service)

*With copies to:*

Steven M. Skolnick, Esq.  
Lowenstein Sandler LLP  
1251 Avenue of the Americas  
New York, New York 10020  
Telephone: (212) 262-6700

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

---

---

**DEREGISTRATION OF SECURITIES**

These post-effective amendments (the "Post-Effective Amendments") are being filed by Motus GI Holdings, Inc., a Delaware corporation (the "Company"), to remove from registration all shares of the Company's common stock, par value \$0.0001 per share ("Common Stock"), and any and all other securities of the Company remaining unissued and unsold under the following Registration Statements on Form S-8 (the "Registration Statements") filed by the Company with the Securities and Exchange Commission ("SEC"):

- Registration Statement No. [333-271080](#), filed with the SEC on April 3, 2023, pertaining to the registration of an aggregate of 279,586 shares of Common Stock to be issued pursuant to the Motus GI Holdings, Inc. 2016 Equity Incentive Plan and 2016 Israeli Sub-Plan to the Motus GI Holdings, Inc. 2016 Equity Incentive Plan, as amended (the “2016 Plan”);
- Registration Statement No. [333-263940](#), filed with the SEC on March 29, 2022, pertaining to the registration of an aggregate of 2,903,016 shares of Common Stock to be issued pursuant to the 2016 Plan;
- Registration Statement No. [333-254344](#), filed with the SEC on March 16, 2021, pertaining to the registration of an aggregate of 1,936,339 shares of Common Stock to be issued pursuant to the 2016 Plan;
- Registration Statement No. [333-237476](#), filed with the SEC on March 30, 2020, pertaining to the registration of an aggregate of 1,728,665 shares of Common Stock to be issued pursuant to the 2016 Plan;
- Registration Statement No. [333-230506](#), filed with the SEC on March 26, 2019, pertaining to the registration of an aggregate of 1,286,409 shares of Common Stock to be issued pursuant to the 2016 Plan; and
- Registration Statement No. [333-224003](#), filed with the SEC on March 29, 2018, pertaining to the registration of an aggregate of 2,641,250 shares of Common Stock to be issued pursuant to the 2016 Plan.

For ease of reference, all share numbers above are as stated in the Registration Statements, without giving pro forma effect to any adjustments, as applicable, for subsequent events such as stock splits occurring after the original filing dates of the respective Registration Statements.

In accordance with undertakings made by the Company in each of the Registration Statements to remove from registration, by means of a post-effective amendment, any and all securities of the Company that were registered for issuance that remain unsold at the termination of the offerings, the Company hereby removes from registration any and all securities of the Company registered but unsold under each of the Registration Statements. As a result of this deregistration, no securities remain registered for sale pursuant to the Registration Statements.

---

#### SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Company certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused these Post-Effective Amendments to the Registration Statements to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Ft. Lauderdale, FL, on August [9], 2024.

#### MOTUS GI HOLDINGS, INC.

By: /s/ Jeff Varsalone  
Name: Jeff Varsalone  
Title: President

No other person is required to sign this Post-Effective Amendment No. 1 to the Registration Statements in reliance on Rule 478 of the Securities Act of 1933, as amended.

---