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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  
OF THE SECURITIES EXCHANGE ACT OF 1934

For the month of August 2022 No.1

Commission File Number 000-24790

**TOWER SEMICONDUCTOR LTD.**

(Translation of registrant's name into English)

**Ramat Gavriel Industrial Park**

**P.O. Box 619, Migdal Haemek, Israel 2310502**

(Address of principal executive office)

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): \_\_\_\_\_

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): \_\_\_\_\_

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On August 2, 2022, the Registrant announced its financial results for the six and three months ended June 30, 2022. Attached hereto is the following exhibit.

[Exhibit 99.1 Press release dated August 2, 2022.](#)

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## 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.

**TOWER SEMICONDUCTOR LTD.**

Date: August 2, 2022

By: /s/ Nati Somekh

Name: Nati Somekh

Title: Corporate Secretary

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**Tower Semiconductor Reports Second Quarter 2022  
Record Revenue of \$426 Million  
Year over Year Revenue Growth of 18% Total and 30% Organic**

**MIGDAL HAEMEK, ISRAEL – August 2, 2022** – Tower Semiconductor (NASDAQ: TSEM & TASE: TSEM) reports today its results for the second quarter ended June 30, 2022.

**Second Quarter of 2022 Results Overview**

**Revenue** for the second quarter of 2022 was \$426 million, as compared to \$362 million in the second quarter of 2021, reflecting 18% revenue growth. Organic revenue grew by 30% year over year for the second quarter of 2022 (organic revenue defined as total revenue excluding revenues from (i) Nuvoton in the Japanese fabs and (ii) Maxim in the San Antonio fab). Revenue for the first quarter of 2022 was \$421 million.

**Gross profit** for the second quarter of 2022 was \$112 million, 52% higher than \$74 million recorded in the second quarter of 2021. Gross profit in the first quarter of 2022 was \$105 million.

**Operating profit** for the second quarter of 2022 was \$71 million, more than double the \$34 million recorded in the second quarter of 2021. Operating profit in the first quarter of 2022 was \$63 million.

**Net profit** for the second quarter of 2022 was \$58 million, or \$0.53 basic and diluted earnings per share, 88% higher than \$31 million recorded in the second quarter of 2021, which represented \$0.29 basic and \$0.28 diluted earnings per share. Net profit for the first quarter of 2022 was \$54 million, representing \$0.50 basic and \$0.49 diluted earnings per share.

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**Cash flow** generated from operating activities in the second quarter of 2022 was \$138 million and investment in fixed assets was \$49 million, net. During the second quarter of 2022, the Company repaid \$8 million of its debt.

### **Guidance and Conference Call**

In light of the Company's definitive agreement with Intel Corporation, as announced on February 15, 2022, the Company is not providing herewith revenue guidance for the third quarter 2022 and will not host an earnings conference call.

*The Company presents its financial statements in accordance with U.S. GAAP. The financial information included in the tables below includes unaudited condensed financial data. Some of the financial information, which may be used and/ or presented in this release and/ or prior earnings related filings and/ or in related public disclosures or filings with respect to the financial statements and/ or results of the Company, which we describe as "adjusted" financial measures and/ or reconciled financial measures, are non-GAAP financial measures as defined in Regulation G and related reporting requirements promulgated by the Securities and Exchange Commission as they apply to our Company. These adjusted financial measures are calculated excluding the following: (1) amortization of acquired intangible assets and (2) compensation expenses in respect of equity grants to directors, officers, and employees. These adjusted financial measures should be evaluated in conjunction with, and are not a substitute for, GAAP financial measures. The tables also present the GAAP financial measures, which are most comparable to the adjusted financial measures, as well as a reconciliation between the adjusted financial measures and the comparable GAAP financial measures. As used and/ or presented in this release and/ or prior earnings related filings and/ or in related public disclosures or filings with respect to the financial statements and/ or results of the Company, as well as calculated in the tables herein, the term Earnings Before Interest Tax Depreciation and Amortization which we define as EBITDA consists of operating profit in accordance with GAAP, excluding (i) depreciation expenses, which include depreciation recorded in cost of revenues and in operating cost and expenses lines (e.g, research and development related equipment and/ or fixed other assets depreciation), (ii) stock-based compensation expense and (iii) amortization of acquired intangible assets. EBITDA is reconciled in the tables below from GAAP operating profit. EBITDA is not a required GAAP financial measure and may not be comparable to a similarly titled measure employed by other companies. EBITDA and the adjusted financial information presented herein and/ or prior earnings related filings and/ or in related public disclosures or filings with respect to the financial statements and/ or results of the Company, should not be considered in isolation or as a substitute for operating profit, net profit or loss, cash flows provided by operating, investing and financing activities, per share data or other profit or cash flow statement data prepared in accordance with GAAP. The term Net Cash, as may be used and/ or presented in this release and/ or prior earnings related filings and/ or in related public disclosures or filings with respect to the financial statements and/ or results of the Company, is comprised of cash, cash equivalents, short-term deposits and marketable securities less debt amounts as presented in the balance sheets included herein. The term Net Cash is not a required GAAP financial measure, may not be comparable to a similarly titled measure employed by other companies and should not be considered in isolation or as a substitute for cash, debt, operating profit, net profit or loss, cash flows provided by operating, investing and financing activities, per share data or other profit or cash flow statement data prepared in accordance with GAAP. The term Free Cash Flow, as used and/ or presented in this release and/ or prior earnings related filings and/ or in related public disclosures or filings with respect to the financial statements and/ or results of the Company, is calculated to be net cash provided by operating activities (in the amounts of \$138 million, \$137 million and \$93 million for the three months periods ended June 30, 2022, March 31, 2022 and June 30, 2021, respectively) less cash used for investments in property and equipment, net (in the amounts of \$49 million, \$81 million and \$56 million for the three months periods ended June 30, 2022, March 31, 2022 and June 30, 2021, respectively). The term Free Cash Flow is not a required GAAP financial measure, may not be comparable to a similarly titled measure employed by other companies and should not be considered in isolation or as a substitute for operating profit, net profit or loss, cash flows provided by operating, investing and financing activities, per share data or other profit or cash flow statement data prepared in accordance with GAAP.*

### **About Tower Semiconductor**

Tower Semiconductor Ltd. (NASDAQ: TSEM, TASE: TSEM), the leading foundry of high value analog semiconductor solutions, provides technology and manufacturing platforms for integrated circuits (ICs) in growing markets such as consumer, industrial, automotive, mobile, infrastructure, medical and aerospace and defense. Tower Semiconductor focuses on creating positive and sustainable impact on the world through long term partnerships and its advanced and innovative analog technology offering, comprised of a broad range of customizable process platforms such as SiGe, BiCMOS, mixed-signal/CMOS, RF CMOS, CMOS image sensor, non-imaging sensors, integrated power management (BCD and 700V), and MEMS. Tower Semiconductor also provides world-class design enablement for a quick and accurate design cycle as well as process transfer services including development, transfer, and optimization, to IDMs and fabless companies. To provide multi-fab sourcing and extended capacity for its customers, Tower Semiconductor owns two manufacturing facilities in Israel (150mm and 200mm), two in the U.S. (200mm), two facilities in Japan (200mm and 300mm) which it owns through its 51% holdings in TPSCo and is sharing a 300mm manufacturing facility being established in Italy by STMicroelectronics. For more information, please visit: [www.towersemi.com](http://www.towersemi.com)

## CONTACTS:

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This press release, including other projections with respect to our business and activities, includes forward-looking statements, which are subject to risks and uncertainties. Actual results may vary from those projected or implied by such forward-looking statements and you should not place any undue reliance on such forward-looking statements. Potential risks and uncertainties include, without limitation, risks and uncertainties associated with: (i) demand in our customers' end markets, (ii) over demand for our foundry services and/or products that exceeds our capacity, (iii) maintaining existing customers and attracting additional customers, (iv) high utilization and its effect on cycle time, yield and on schedule delivery which may cause customers to transfer their product(s) to other fabs, (v) operating results fluctuate from quarter to quarter making it difficult to predict future performance, (vi) impact of our debt and other liabilities on our financial position and operations, (vii) our ability to successfully execute acquisitions, integrate them into our business, utilize our expanded capacity and find new business, (viii) fluctuations in cash flow, (ix) our ability to satisfy the covenants stipulated in our agreements with our lender banks, (x) pending litigation, (xi) new customer engagements, qualification and production ramp-up at our facilities, (xii) meeting the conditions set in the approval certificates received from the Israeli Investment Center under which we received a significant amount of grants in past years, (xiii) receipt of orders that are lower than the customer purchase commitments, (xiv) failure to receive orders currently expected, (xv) possible incurrence of additional indebtedness, (xvi) effect of global recession, unfavorable economic conditions and/or credit crisis, (xvii) our ability to accurately forecast financial performance, which is affected by limited order backlog and lengthy sales cycles, (xviii) possible situations of obsolete inventory if forecasted demand exceeds actual demand when we manufacture products before receipt of customer orders, (xix) the cyclical nature of the semiconductor industry and the resulting periodic overcapacity, fluctuations in operating results and future average selling price erosion, (xx) the execution of debt re-financing and/or other fundraising activities to enable the service of our debt and/or other liabilities and/or for strategic opportunities, including to fund Agrate fab's significant 300mm capacity investments, in addition to other previously announced capacity expansion plans, and the possible unavailability of such financing and/or the availability of such financing on unfavorable terms, (xxi) operating our facilities at high utilization rates which is critical in order to cover a portion or all of the high level of fixed costs associated with operating a foundry, and our debt, in order to improve our results, (xxii) the purchase of equipment to increase capacity, the timely completion of the equipment installation, technology transfer and raising the funds therefor, (xxiii) the concentration of our business in the semiconductor industry, (xxiv) product returns, (xxv) our ability to maintain and develop our technology processes and services to keep pace with new technology, evolving standards, changing customer and end-user requirements, new product introductions and short product life cycles, (xxvi) competing effectively, (xxvii) use of outsourced foundry services by both fabless semiconductor companies and integrated device manufacturers, (xxviii) achieving acceptable device yields, product performance and delivery times, (xxix) our dependence on intellectual property rights of others, our ability to operate our business without infringing others' intellectual property rights and our ability to enforce our intellectual property against infringement, (xxx) our fab3 landlord's construction project adjacent to our fabrication facility, including possible temporary reductions or interruptions in the supply of utilities and/or fab manufacturing, as well as claims that our noise abatement efforts are not adequate under the terms of the amended lease that caused him to request a judicial declaration that there was a material non-curable breach of the lease and that he would be entitled to terminate the lease (we do not agree and are disputing these claims), (xxxii) retention of key employees and recruitment and retention of skilled qualified personnel, (xxxiii) exposure to inflation, currency rates (mainly the Israeli Shekel and Japanese Yen) and interest rate fluctuations and risks associated with doing business locally and internationally, as well as fluctuations in the market price of our traded securities, (xxxiiii) issuance of ordinary shares as a result of conversion and/or exercise of any of our convertible securities, as well as any sale of shares by any of our shareholders, or any market expectation thereof, which may depress the market price of our ordinary shares and may impair our ability to raise future capital, (xxxv) meeting regulatory requirements worldwide, including environmental and governmental regulations, (xxxvi) potential engagement for fab establishment, joint venture and/or capital lease transactions for capacity enhancement in advanced technologies, including risks and uncertainties associated with Agrate fab establishment project, its qualification schedule, technology, equipment and process qualification and production facility ramp-up, customer engagements, cost structure and investment amounts and other terms, which may require additional funding to cover its significant capacity investment needs and other payments, the availability of which funding cannot be assured on favorable terms, if at all, (xxxvii) potential impact on TPSCo and the Company due to the purchase in 2020 of 49% of TPSCo by NTCJ (previously named PSCS) from Panasonic and due to the cessation of operations of Arai manufacturing factory in Japan, which manufactured products solely for NTCJ through June 2022 and did not serve Tower's or TPSCo's foundry customers, (xxxviii) industry and market impact due to pandemics and potential impact on our business, operational continuity, supply chain, revenue and profitability, (xxxix) potential security, cyber and privacy breaches, (xl) our ability to satisfy the covenants stipulated in our agreements with the series G bondholders (as of June 30, 2022, we are in compliance with this indenture's covenants), (xli) risks associated with the transaction announced on February 15, 2022 under which Intel Corporation is to acquire the Company, including the timely receipt of certain governmental and other regulatory approvals, the potential for regulatory authorities to require divestitures, behavioral remedies or other concessions in order to obtain their approval of the proposed transaction, the occurrence of any event, change or other circumstance that could give rise to a termination of the merger agreement, the effect of

the announcement or pendency of the transaction on business relationships, operating results and business generally, delays, disruptions or increased costs due to the integration process with the acquirer, litigation related to or resulting from the transaction, difficulties to retain key personnel and customers, diverting management's attention from the ongoing business operations, potential negative reactions or changes to business relationships resulting from the announcement or completion of the transaction, and (xxxxi) business interruption due to fire, earthquake and other natural disasters, the security situation in Israel, global trade "war", COVID-19 pandemic, including its impact on global supply chain to the fabs and from the fabs, power interruptions and other events beyond our control.

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*A more complete discussion of risks and uncertainties that may affect the accuracy of forward-looking statements included in this press release or which may otherwise affect our business is included under the heading "Risk Factors" in Tower's most recent filings on Forms 20-F and 6-K, as were filed with the Securities and Exchange Commission (the "SEC") and the Israel Securities Authority. Future results may differ materially from those previously reported. The Company does not intend to update, and expressly disclaims any obligation to update, the information contained in this release.*

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*(Financial tables follow)*

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**TOWER SEMICONDUCTOR LTD. AND SUBSIDIARIES**  
**CONDENSED CONSOLIDATED BALANCE SHEETS (UNAUDITED)**  
(dollars in thousands)

	<u>June 30,</u> <u>2022</u>	<u>December 31,</u> <u>2021</u>
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
Cash and cash equivalents	\$ 211,177	\$ 210,930
Short-term deposits	468,298	363,648
Marketable securities	176,487	190,068
Trade accounts receivable	170,552	142,228
Inventories	249,038	234,512
Other current assets	43,253	54,817
<b>Total current assets</b>	<b>1,318,805</b>	<b>1,196,203</b>
LONG-TERM INVESTMENTS	26,544	39,597
PROPERTY AND EQUIPMENT, NET	878,991	876,683
GOODWILL AND OTHER INTANGIBLE ASSETS, NET	16,217	18,820
DEFERRED TAX AND OTHER LONG-TERM ASSETS, NET	83,866	99,938
<b>TOTAL ASSETS</b>	<b>\$ 2,324,423</b>	<b>\$ 2,231,241</b>
<b>LIABILITIES AND SHAREHOLDERS' EQUITY</b>		
<b>CURRENT LIABILITIES</b>		
Short-term debt	\$ 79,535	\$ 83,868
Trade accounts payable	127,762	78,712
Deferred revenue and customers' advances	38,632	39,992
Other current liabilities	100,246	73,756
<b>Total current liabilities</b>	<b>346,175</b>	<b>276,328</b>
LONG-TERM DEBT	200,733	230,972
LONG-TERM CUSTOMERS' ADVANCES	60,600	69,968
EMPLOYEE RELATED LIABILITIES	13,962	14,622
DEFERRED TAX AND OTHER LONG-TERM LIABILITIES	14,403	23,962
<b>TOTAL LIABILITIES</b>	<b>635,873</b>	<b>615,852</b>
<b>TOTAL SHAREHOLDERS' EQUITY</b>	<b>1,688,550</b>	<b>1,615,389</b>
<b>TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY</b>	<b>\$ 2,324,423</b>	<b>\$ 2,231,241</b>



**TOWER SEMICONDUCTOR LTD. AND SUBSIDIARIES**  
**CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED)**  
(dollars and share count in thousands, except per share data)

	Three months ended		
	June 30,	March 31,	June 30,
	2022	2022	2021
<b>REVENUES</b>	\$ 426,168	\$ 421,132	\$ 362,138
<b>COST OF REVENUES</b>	313,728	316,501	288,383
<b>GROSS PROFIT</b>	112,440	104,631	73,755
<b>OPERATING COSTS AND EXPENSES:</b>			
Research and development	20,481	20,318	21,081
Marketing, general and administrative	21,285	21,253	18,671
	41,766	41,571	39,752
<b>OPERATING PROFIT</b>	70,674	63,060	34,003
<b>FINANCING AND OTHER EXPENSE, NET</b>	(8,162)	(2,133)	(484)
<b>PROFIT BEFORE INCOME TAX</b>	62,512	60,927	33,519
<b>INCOME TAX EXPENSE, NET</b>	(4,339)	(5,153)	(2,202)
<b>NET PROFIT</b>	58,173	55,774	31,317
Net income attributable to non-controlling interest	(96)	(1,741)	(451)
<b>NET PROFIT ATTRIBUTABLE TO THE COMPANY</b>	\$ 58,077	\$ 54,033	\$ 30,866
<b>BASIC EARNINGS PER SHARE</b>	\$ 0.53	\$ 0.50	\$ 0.29
Weighted average number of shares	109,138	108,934	108,043
<b>DILUTED EARNINGS PER SHARE</b>	\$ 0.53	\$ 0.49	\$ 0.28
Weighted average number of shares	110,561	110,539	109,629

**TOWER SEMICONDUCTOR LTD. AND SUBSIDIARIES**  
**CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED)**  
(dollars and share count in thousands, except per share data)

	Six months ended	
	June 30,	
	2022	2021
<b>REVENUES</b>	\$ 847,300	\$ 709,352
<b>COST OF REVENUES</b>	630,229	565,783
<b>GROSS PROFIT</b>	217,071	143,569
<b>OPERATING COSTS AND EXPENSES:</b>		
<b>Research and development</b>	40,799	41,424
<b>Marketing, general and administrative</b>	42,538	35,662
	83,337	77,086
<b>OPERATING PROFIT</b>	133,734	66,483
<b>FINANCING AND OTHER EXPENSE, NET</b>	(10,295)	(8,326)
<b>PROFIT BEFORE INCOME TAX</b>	123,439	58,157
<b>INCOME TAX BENEFIT (EXPENSE), NET</b>	(9,492)	3,674
<b>NET PROFIT</b>	113,947	61,831
Net income attributable to non-controlling interest	(1,837)	(2,643)
<b>NET PROFIT ATTRIBUTABLE TO THE COMPANY</b>	\$ 112,110	\$ 59,188
<b>BASIC EARNINGS PER SHARE</b>	\$ 1.03	\$ 0.55
Weighted average number of shares	109,037	107,992
<b>DILUTED EARNINGS PER SHARE</b>	\$ 1.01	\$ 0.54
Weighted average number of shares	110,561	109,545

**TOWER SEMICONDUCTOR LTD. AND SUBSIDIARIES**  
**RECONCILIATION FROM GAAP OPERATING PROFIT TO EBITDA (UNAUDITED)**  
(dollars in thousands)

	Three months ended		
	June 30,	March 31,	June 30,
	2022	2022	2021
<b>GAAP OPERATING PROFIT</b>	\$ 70,674	\$ 63,060	\$ 34,003
Depreciation	60,886	64,368	58,474
Stock based compensation	5,543	5,715	5,971
Amortization of acquired intangible assets	508	506	492
<b>EBITDA</b>	<b>\$ 137,611</b>	<b>\$ 133,649</b>	<b>\$ 98,940</b>

**TOWER SEMICONDUCTOR LTD. AND SUBSIDIARIES**  
**CONSOLIDATED SOURCES AND USES REPORT (UNAUDITED)**  
(dollars in thousands)

	Three months ended		
	June 30,	March 31,	June 30,
	2022	2022	2021
<b>CASH AND CASH EQUIVALENTS - BEGINNING OF PERIOD</b>	\$ 203,484	\$ 210,930	\$ 215,581
Net cash provided by operating activities	138,097	136,571	93,250
Investments in property and equipment, net	(49,377)	(80,840)	(56,184)
Exercise of options	--	44	--
Debt repaid, net	(8,211)	(30,539)	(19,769)
Effect of Japanese Yen exchange rate change over cash balance	(7,682)	(3,071)	(68)
Investments in short-term deposits, marketable securities and other assets, net	(65,134)	(29,611)	(17,055)
<b>CASH AND CASH EQUIVALENTS - END OF PERIOD</b>	<u>\$ 211,177</u>	<u>\$ 203,484</u>	<u>\$ 215,755</u>

**TOWER SEMICONDUCTOR LTD. AND SUBSIDIARIES**  
**CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)**  
(dollars in thousands)

	Three months ended		
	June 30,	March 31,	June 30,
	2022	2022	2021
<b>CASH FLOWS - OPERATING ACTIVITIES</b>			
Net profit for the period	\$ 58,173	\$ 55,774	\$ 31,317
Adjustments to reconcile net profit for the period to net cash provided by operating activities:			
Income and expense items not involving cash flows:			
Depreciation and amortization	67,007	70,780	65,482
Effect of exchange rate differences	2,276	(1,330)	1,798
Other expense, net	560	1,347	1,758
Changes in assets and liabilities:			
Trade accounts receivable	3,578	(35,181)	18,996
Other assets	(3,355)	13,874	(16,065)
Inventories	(10,630)	(18,328)	(12,077)
Trade accounts payable	22,415	30,595	(5,302)
Deferred revenue and customers' advances	(14,031)	3,385	(3,133)
Other current liabilities	10,974	15,103	12,612
Long-term employee related liabilities	26	331	247
Deferred tax, net and other long-term liabilities	1,104	221	(2,383)
Net cash provided by operating activities	<u>138,097</u>	<u>136,571</u>	<u>93,250</u>
<b>CASH FLOWS - INVESTING ACTIVITIES</b>			
Investments in property and equipment, net	(49,377)	(80,840)	(56,184)
Investments in deposits, marketable securities and other assets, net	(65,134)	(29,611)	(17,055)
Net cash used in investing activities	<u>(114,511)</u>	<u>(110,451)</u>	<u>(73,239)</u>
<b>CASH FLOWS - FINANCING ACTIVITIES</b>			
Debt repaid, net	(8,211)	(30,539)	(19,769)
Exercise of options	--	44	--
Net cash used in financing activities	<u>(8,211)</u>	<u>(30,495)</u>	<u>(19,769)</u>
EFFECT OF FOREIGN CURRENCY EXCHANGE RATE CHANGE	<u>(7,682)</u>	<u>(3,071)</u>	<u>(68)</u>
INCREASE IN CASH AND CASH EQUIVALENTS	7,693	(7,446)	174
CASH AND CASH EQUIVALENTS - BEGINNING OF PERIOD	203,484	210,930	215,581
CASH AND CASH EQUIVALENTS - END OF PERIOD	<u>\$ 211,177</u>	<u>\$ 203,484</u>	<u>\$ 215,755</u>