#### FORM 6-K

### **SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

For the month of July 2020 No.3

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

On July 29, 2020, the Registrant announced its financial results for the six and three months ended June 30, 2020. Attached hereto is the following exhibit.

Exhibit 99.1 Press release dated July 29, 2020.

### **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.

By: /s/ Nati Somekh

Name: Nati Somekh Title: Corporate Secretary

Date: July 29, 2020



# Where **Analog** and **Value** Meet

Tower Semiconductor Reports Second Quarter 2020 with Quarter over Quarter Revenues and Margins Growth

**Guides Third Quarter Sequential Revenue Growth** 

**MIGDAL HAEMEK, ISRAEL – July 29, 2020 –** Tower Semiconductor (NASDAQ: TSEM & TASE: TSEM) reported today its results for the second quarter ended June 30, 2020.

#### **Second Quarter Results Overview**

**Revenues, gross profit** and **operating profit** for the second quarter of 2020 demonstrated quarter over quarter and year over year growth at \$310 million revenues as compared to \$300 million and \$306 million; gross profit at \$58 million, as compared to \$53 million and \$53 million; and operating profit at \$22 million, as compared to \$16 million and \$18 million, for the first quarter of 2020 and the second quarter of 2019, respectively.

**Net profit** for the second quarter of 2020 was \$19 million, or \$0.18 basic and diluted earnings per share, as compared to net profit of \$17 million or \$0.16 basic and diluted earnings per share in the prior quarter, and \$21 million or \$0.20 basic and diluted earnings per share in the second quarter of 2019.

**Cash flow generated from operations** in the second quarter of 2020 was \$67 million with investment in fixed assets, net of \$63 million that included payments related to the 300mm facility capacity expansion program. In the second quarter of 2020, the company repaid \$5 million of its debt.

#### **Business Outlook**

Tower Semiconductor expects revenues for the third quarter of 2020 to be \$320 million, with an upward or downward range of 5%, demonstrating quarter over quarter and year over year growth.

**Mr. Russell Ellwanger, Chief Executive Officer of Tower Semiconductor, commented:** "Entering the second half of 2020, we are pleased that in the midst of certain market pullbacks, we continue to guide quarter over quarter and year over year growth. This is strong affirmation of our offerings, our increasing market share in RF SOI, and the high value our customers assign to our SiGe platform enablers. Our expansion into additional served markets for power management is well received, which business is seeing significant growth this year. Strengthening our diversification through entering newly served market applications and increased market share has enabled notable performance in this challenging environment".

**Ellwanger further commented:** "We are motivated with the degree of customer interaction and acceptance of our recent developments, namely in advanced SiPho, very high-speed silicon germanium, the entire BSI and stacked wafer sensor offerings, as well as our newly served markets in display. These activities, in addition to our present strong and growing core business, back our confidence in our strategy and roadmap, and will be additionally accretive when all end markets revive to previous patterns."

#### **Teleconference and Webcast**

Tower Semiconductor will host an investor conference call today, Wednesday, July 29, 2020, at 10:00 a.m. Eastern time (9:00 a.m. Central time, 8:00 a.m. Mountain time, 7:00 a.m. Pacific time and 5:00 p.m. Israel time) to discuss the Company's financial results for the second quarter of 2020 and its outlook.

This call will be webcast and can be accessed via Tower Semiconductor's website at <u>www.towersemi.com</u> or by calling 1-888-668-9141 (U.S. Toll-Free), 03-918-0609 (Israel), +972-3-918-0609 (International). For those who are not available to listen to the live broadcast, the call will be archived on Tower Semiconductor's website for 90 days.

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 in this release and/ or in related public disclosures or filings with respect to the financial statements and/or results of the Company, which we describe in this release as "adjusted" 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 one or both of 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 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 (EBITDA) consists of net profit in accordance with GAAP, excluding financing and other income (expense), net, taxes, non-controlling interest, depreciation and amortization expense and stock-based compensation expense. 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 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 used and/or presented in this release 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 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 \$67 million, \$68 million and \$72 million for the three months periods ended June 30, 2020, March 31, 2020 and June 30, 2019, respectively) less cash used for investments in property and equipment, net (in the amounts of \$63 million, \$63 million and \$44 million for the three months periods ended June 30, 2020, March 31, 2020 and June 30, 2019, 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 leader in high-value analog semiconductor foundry 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 Transfer Optimization and development Process Services (TOPS) to IDMs and fabless companies. To provide multi-fab sourcing and extended capacity for its customers, Tower Semiconductor operates two manufacturing facilities in Israel (150mm and 200mm), two in the U.S. (200mm) and three facilities in Japan (two 200mm and one 300mm) through TPSCo. For more information, please visit <a href="https://www.towersemi.com">www.towersemi.com</a>.

This press release 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 and bondholders (as of June 30, 2020 we are in compliance with all such covenants included in our banks' agreements, bond G indenture and others), (x) pending litigation, (xi) new customer engagements, qualification and production ramp-up at our facilities, including TPSCo and the San Antonio facility, (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 fundraising to enable the service of our debt and/or other liabilities and/or for strategic opportunities and the possible unavailability of such financing and/ or the availability of such financing in 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; (xxxi) retention of key employees and recruitment and retention of skilled qualified personnel, (xxxii) 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 fluctuations in the market price of our traded securities, (xxxiii) 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, (xxxiv) meeting regulatory requirements worldwide, including environmental and governmental regulations, (xxxv) potential engagement for fab establishment, joint venture and/or capital lease transactions for capacity enhancement in advanced technologies, (xxxvi) potential future effect on TPSCo and the Company due to the possible closing of Panasonic sale of PSCS (a company holding 49% of TPSCo) to Nuvoton, (xxxvii) industry and market impact due to the coronavirus and its potential impact on our business, operational continuity, supply chain, revenue and profitability; (xxxviii) potential security, cyber and privacy breaches, and (xxxix) business interruption due to fire and other natural disasters, the security situation in Israel and other events beyond our control such as power interruptions.

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.

# # #

(Financial tables follow)

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

	June 30, 2020		Dec	2019
ASSETS				
CURRENT ASSETS				
Cash and cash equivalents	\$	258,793	\$	355,561
Short-term deposits		269,263		215,609
Marketable securities		195,886		176,070
Trade accounts receivable		128,401		126,966
Inventories		210,129		192,256
Other current assets		28,158		22,019
Total current assets		1,090,630		1,088,481
LONG-TERM INVESTMENTS		41,219		40,085
PROPERTY AND EQUIPMENT, NET		765,895		681,939
GOODWILL AND INTANGIBLE ASSETS, NET		16,298		17,281
DEFERRED TAX AND OTHER LONG-TERM ASSETS, NET		91,834	_	105,047
TOTAL ASSETS	<u>\$</u>	2,005,876	\$	1,932,833
LIABILITIES AND SHAREHOLDERS' EQUITY				
CURRENT LIABILITIES				
Short-term debt	\$	79,668	\$	65,932
Trade accounts payable		154,517		119,199
Deferred revenue and customers' advances		8,455		10,322
Other current liabilities		68,192		57,603
Total current liabilities		310,832		253,056
LONG-TERM DEBT		219,764		245,821
LONG-TERM CUSTOMERS' ADVANCES		27,570		28,196
LONG-TERM EMPLOYEE RELATED LIABILITIES		14,970		13,285
DEFERRED TAX AND OTHER LONG-TERM LIABILITIES		40,596		45,752
TOTAL LIABILITIES		613,732		586,110
TOTAL SHAREHOLDERS' EQUITY		1,392,144		1,346,723
TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY	\$	2,005,876	\$	1,932,833

## TOWER SEMICONDUCTOR LTD. AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED)

(dollars and share count in thousands, except per share data)

		Three months ended					
	J	une 30,	March 31,			June 30,	
		2020		2020		2019	
REVENUES	\$	310,090	\$	300,171	\$	306,064	
COST OF REVENUES		252,385		247,628		252,657	
GROSS PROFIT		57,705		52,543		53,407	
OPERATING COSTS AND EXPENSES:							
Research and development		19,424		19,414		18,812	
Marketing, general and administrative		16,154	_	16,691	_	16,838	
	<u> </u>	35,578	_	36,105		35,650	
OPERATING PROFIT		22,127		16,438		17,757	
FINANCING AND OTHER INCOME (EXPENSE), NET		1,831	_	(2,113)		947	
PROFIT BEFORE INCOME TAX		23,958		14,325		18,704	
INCOME TAX BENEFIT (EXPENSE), NET		(2,484)	_	1,706		1,018	
PROFIT BEFORE NON CONTROLLING INTEREST		21,474		16,031		19,722	
NON CONTROLLING INTEREST		(2,422)		989		1,214	
NET PROFIT	\$	19,052	\$	17,020	\$	20,936	
BASIC EARNINGS PER SHARE	\$	0.18	\$	0.16	\$	0.20	
Weighted average number of shares		106,956		106,814		106,321	
DILUTED EARNINGS PER SHARE	\$	0.18	\$	0.16	\$	0.20	
Weighted average number of shares		108,277		108,149		107,178	
RECONCILIATION FROM GAAP NET PROFIT TO ADJUSTED NET PROFIT:							
GAAP NET PROFIT	\$	19,052	\$	17,020	\$	20,936	
Stock based compensation		3,795		4,543		3,884	
Amortization of acquired intangible assets ADJUSTED NET PROFIT	¢	493	¢	310	<u>¢</u>	494 25 214	
ADJUSTED NET PROFIT	\$	23,340	\$	21,873	\$	25,314	
ADJUSTED BASIC AND DILUTED EARNINGS PER SHARE	\$	0.22	\$	0.20	\$	0.24	

# ${\bf TOWER~SEMICONDUCTOR~LTD.~AND~SUBSIDIARIES}\\ {\bf CONDENSED~CONSOLIDATED~STATEMENTS~OF~OPERATIONS~(UNAUDITED)}$

(dollars and share count in thousands, except per share data)

	_ <b>S</b> i	x mont	h s	e n d e d	
		June	e 30,	30,	
		2020		2019	
REVENUES	\$	610,261	\$	616,171	
COST OF REVENUES		500,013		499,613	
GROSS PROFIT		110,248		116,558	
OPERATING COSTS AND EXPENSES:					
Research and development		38,838		37,980	
Marketing, general and administrative		32,845		33,479	
		71,683		71,459	
OPERATING PROFIT		38,565		45,099	
FINANCING AND OTHER INCOME (EXPENSE), NET		(282)		1,672	
PROFIT BEFORE INCOME TAX		38,283		46,771	
INCOME TAX EXPENSE, NET		(778)	_	(649)	
PROFIT BEFORE NON CONTROLLING INTEREST		37,505		46,122	
NON CONTROLLING INTEREST	_	(1,433)	_	1,030	
NET PROFIT	<u>\$</u>	36,072	\$	47,152	
BASIC EARNINGS PER SHARE	\$	0.34	\$	0.45	
Weighted average number of shares		106,885		105,829	
RECONCILIATION FROM GAAP NET PROFIT TO ADJUSTED NET PROFIT:					
GAAP NET PROFIT	\$	36,072	\$	47,152	
Stock based compensation		8,338		7,707	
Amortization of acquired intangible assets ADJUSTED NET PROFIT	\$	803 45,213	\$	2,135 56,994	
ADJUSTED RELITATION	<u> </u>	40,410	Ф	50,554	

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

### EBITDA CALCULATION:

			Thre	e n	nonths e	n d	e d
	·	Ju	ne 30,	N	March 31,		June 30,
	•	2	2020		2020		2019
GAAP OPERATING PROFIT		\$	22,127	\$	16,438	\$	17,757
Depreciation of fixed assets		Ψ	55,175	Ψ	51,484	Ψ	47,966
Stock based compensation			3,795		4,543		3,884
Amortization of acquired intangible assets			493		310		494
, ,	-			_		_	
EBITDA		\$	81,590	\$	72,775	\$	70,101
	=			=		=	
				9	Six mont	h s	e n d e d
					June 30,		June 30,
					2020		2019
GAAP OPERATING PROFIT				\$	38,565	\$	45,099
Depreciation of fixed assets					106,659		94,007
Stock based compensation					8,338		7,707
Amortization of acquired intangible assets					803		2,135
EBITDA				\$	154,365	\$	148,948
					- ,		
				÷		<u> </u>	

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

	Three months ended					e d
	June 30, 2020		March 31, 2020			June 30, 2019
CASH AND CASH EQUIVALENTS - BEGINNING OF PERIOD	\$	251,348	\$	355,561	\$	408,098
Net cash provided by operating activities		66,603		68,336		72,156
Investments in property and equipment, net		(62,537)		(62,907)		(43,727)
Exercise of options		1,127		87		
Debt repaid, net		(5,000)		(24,197)		(7,475)
Effect of Japanese Yen exchange rate change over cash balance		682		(176)		3,205
Investments in short-term deposits, marketable securities and other assets, net		6,570		(85,356)	_	(27,099)
CASH AND CASH EQUIVALENTS - END OF PERIOD	<u>\$</u>	258,793	\$	251,348	\$	405,158
				ix mont June 30, 2020	n s	June 30, 2019
CASH AND CASH EQUIVALENTS - BEGINNING OF PERIOD			\$	355,561	\$	385,091
Net cash provided by operating activities				134,939		147,024
Investments in property and equipment, net				(125,444)		(85,445)
Exercise of options				1,214		397
Debt repaid, net				(29,197)		(10,549)
Effect of Japanese Yen exchange rate change over cash balance				506		2,465
Investments in short-term deposits, marketable securities and other assets, net				(78,786)	_	(33,825)
CASH AND CASH EQUIVALENTS - END OF PERIOD			\$	258,793	\$	405,158

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

	Six months ended			Thre	e months o	<u>e n d</u> e d	d e d	
	June 30,	Jun	e 30,	June 30,	March 31,	Jun	e 30,	
	2020	20	019	2020	2020	20	019	
CASH FLOWS - OPERATING ACTIVITIES								
Net profit for the period	\$ 37,505	\$	46,122	\$ 21,474	\$ 16,031	\$	19,722	
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	117,299		104,867	60,268	56,796		<b>52,85</b> 3	
Effect of exchange rate differences on debentures	(910)		6,205	3,159	(4,069)		2,204	
Other income, net	(890)		(445)	(876)	(14)		(428	
Changes in assets and liabilities:								
Trade accounts receivable	(1,296)		31,271	(12,981)	11,685		<b>12,66</b> 5	
Other assets	5,122		(5,755)	(1,998)	7,355		(2,050	
Inventories	(17,380)		(3,017)	(11,209)	(6,171)		378	
Trade accounts payable	(12,950)		(15,204)	(6,751)	(6,199)		(12,553	
Deferred revenue and customers' advances	(2,498)		(13,649)	(1,927)			(2,964	
Other current liabilities	10,729		(1,846)	13,977	(3,248)		2,957	
Long-term employee related liabilities	2,078		39	2,109	(31)		(29	
Deferred tax, net and other long-term liabilities	(1,870)		(1,564)	1,358	(3,228)		(599	
Net cash provided by operating activities	134,939		147,024	66,603	68,336		72,156	
CASH FLOWS - INVESTING ACTIVITIES								
	(125 444)		(OF 44E)	(C) F)7\	(62.007)		(42 727	
Investments in property and equipment, net	(125,444)		(85,445)	(62,537)	(62,907)		(43,727	
Investments in deposits, marketable securities and other			(22.025)	6 570	(05.250)		(27.000	
assets, net	(78,786)		(33,825)	6,570	(85,356)		(27,099	
Net cash used in investing activities	(204,230)		(119,270)	(55,967)	(148,263)		(70,826	
CASH FLOWS - FINANCING ACTIVITIES								
Debt repaid, net	(29,197)		(10,549)	(5,000)	(24,197)		(7,475	
Exercise of options	1,214		397	1,127	87			
Net cash used in financing activities	(27,983)		(10,152)	(3,873)	(24,110)		(7,475	
EFFECT OF FOREIGN CURRENCY EXCHANGE								
RATE CHANGE	506		2,465	682	(176)		3,205	
INCREASE (DECREASE) IN CASH AND CASH								
EQUIVALENTS	(96,768)		20,067	7,445	(104,213)		(2,940	
CASH AND CASH EQUIVALENTS - BEGINNING OF PERIOD	355,561		385,091	251,348	355,561		408,098	
ILRIOD			505,031	231,340	333,301		700,030	
CASH AND CASH EQUIVALENTS - END OF PERIOD	\$ 258,793	\$	405,158	\$ 258,793	\$ 251,348	\$	405,158	