



### Consolidated Financial Results (Comprehensive) For Second Quarter of FY 2019

(April 1, 2019 through September 30, 2019)

In August 2019, Tadano Ltd. celebrated the 100<sup>th</sup> anniversary of its founding.

Notes:

- 1) Tadano Ltd. provides this comprehensive financial results report in order to supplement the previously released quantitative report with qualitative information concerning business results for the period under review. Unless otherwise stated, no amendments have been made to the quantitative information herein.
- 2) Forward-looking statements contained in this report are based on information available as of the date this report was prepared. A variety of factors may cause actual results to differ from projections.

November 8, 2019

Tadano Ltd.

Lifting your dreams

The acquisition of the Demag Mobile Cranes business (Hereafter "Demag") completed on July 31, 2019. In this report, Demag is treated as follows:

- FY2019 First Half Consolidated Financial Statements: B/S of Demag is included.
- FY2019 Business Performance Forecast: P/L of Demag for 5 months from August to December 2019 is included.
- Trends in Global Demand for Mobile Cranes: Crawler Cranes are excluded.
- Market share: Demag products are excluded.

## **Corporate Profile**

[Corporate name]	Tadano Ltd. (established August 24, 1948); founder: Masuo Tadano Developed Japan's first hydraulic Truck Crane in 1955
[Representative]	Koichi Tadano, President and C.E.O., Representative Director
Head office]	Ko-34 Shinden-cho, Takamatsu, Kagawa, Japan
[Major lines of business]	Production and distribution of Mobile Cranes, Truck Loader Cranes, and Aerial Work Platforms
[Sites]	Tokyo Office [Sumida-ku], Takamatsu Plant [Takamatsu], Shido Plant [Sanuki],
	Kozai Plant [Takamatsu], Tadotsu Plant [Tadotsu], Chiba Plant [Chiba]
Other facilities]	Japan: 10 branch offices, 23 sales offices;
	Outside Japan: Beijing Representative Office [China], Middle East Representative Office [UAE], Moscow Representative Office [Russia], Bangkok Representative Office [Thailand]
[Paid-in capital]	¥13,021 million [Stock shares] Shares issued: 129 million
	Number of shareholders: 8,835 (as of September 30, 2019)
[Net sales]	¥188,451 million (FY 2018)
[Number of employees]	Consolidated: 3,461; non-consolidated: 1,445 (as of September 30, 2019)
	*The figures above do not include the new 1,731 employees from the Demag acquisition.
[Subsidiaries]	38 subsidiaries, 2 affiliates
	*Increase of 8 subsidiaries and 1 affiliate due to the acquisition of Demag.
	Japan: 11 subsidiaries in total
	Tadano IMES Ltd., Tadano ILEC Ltd., Tadano S-TEC Ltd., and other 8 subsidiaries
	Europe: 13 subsidiaries in total Tadano Faun GmbH[Germany], Tadano Demag GmbH [Germany], and 11 other subsidiaries
	North America: 3 subsidiaries in total Tadano America Corp. [U.S.A.], Tadano Mantis Corp. [U.S.A.], and 1 other subsidiary
	Other: 11 subsidiaries in total Tadano Asia Pte. Ltd. [Singapore], Tadano Oceania Pty Ltd [Australia], Tadano Escorts India Pvt. Ltd. [India], Tadano (Thailand) Co., Ltd. [Thailand], and 7 other subsidiaries

### Key Points of FY 2019 First Half Financial Results

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(Unit: millions of yen										
	FY2018 F	irst Half	FY2019 F	irst Half	Percent					
	Amount	Percentage	Amount	Percentage	change					
Net sales	82,272	100.0%	100,304	100.0%	21.9%					
Operating income	5,743	7.0%	7,573	7.6%	31.9%					
Ordinary income	5,673	6.9%	7,262	7.2%	28.0%					
Net income attributable to owners of the parent	4,081	5.0%	5,064	5.0%	24.1%					

	FY2018 First Half	FY2019 First Half
Capital investment	¥6,595 million	¥9,852 million
Depreciation	¥1,432 million	¥1,588 million
Exchange rate (USD)	¥108.68	¥110.05
Exchange rate (EUR)	¥131.64	¥124.32

\* Figures for capital investments include leased assets.

- \* The exchange rates given above are average rates for the period from January to June. (Subsidiaries outside Japan undertake their settlement of accounts in December)
- ⇒ Capital investment of the first half of FY2019 includes ¥7,135 million related to Kozai plant construction.

### [FY2019 Management Policy]

- (i) Pursue the Tadano Group's Core Values (Safety, Quality, Efficiency)
- (ii) Engage in last-year activities of the Mid-Term Management Plan (17-19)
- (iii) Focus on the Tadano Red Arrow, and engage in Tadano Yellow Arrow activities
- (iv) Prepare for and respond to Tadano Blue Arrow changes and escalating competition
- First Half revenues and profits increased for the first time in four years
- Sales exceeded ¥100 billion for the first time in four years
- Sales increased both inside and outside Japan
- ⇒Net sales in Japan: ¥44.4 billion → ¥54.1 billion (+21.9%) Sales of Mobile Crane, Truck Loader Cranes, and Aerial Work Platforms all increased. The highest sales results since Tadano first began

disclosing half-year consolidated financial results ⇒Net sales outside Japan: ¥37.8 billion → ¥46.1 billion (+21.9%)

Sales increased in all regions except Europe.

#### ♦ Outside Japan sales ratio : $46.0\% \rightarrow 46.0\%$

### • Operating income ratio: 7.0% $\rightarrow$ 7.6%

Operating income:	¥5.7	billion	$\rightarrow$	¥7.5	billion
Ordinary income:	¥5.6	billion	$\rightarrow$	¥7.2	billion
Net income:	¥4.0	billion	$\rightarrow$	¥5.0	billion

(Unit millo									
		2018 Half	FY 2 First	Increase/ Decrease					
	Amount	Percentage	Amount	Percentage	Declease				
Net sales	82,272	100.0%	100,304	100.0%	18,031				
Cost of sales	60,382	73.4%	74,195	74.0%	13,813				
Gross profit on installment sales	121	0.1%	-56	-0.1%	-178				
Gross profit	22,011	26.8%	26,051	26.0%	4,039				
Selling, general, and administrative expenses	16,267	19.8%	18,478	18.4%	2,210				
Operating income	5,743	7.0%	7,573	7.6%	1,829				
Non-operating income and loss	-70	-0.1%	-310	-0.3%	-240				
Ordinary income	5,673	6.9%	7,262	7.2%	1,589				
Extraordinary income and loss	-3	-0.0%	476	0.5%	479				
Income before income taxes	5,669	6.9%	7,739	7.7%	2,069				
Corporate taxes	1,569	1.9%	2,684	2.7%	1,115				
Net income attributable to noncontrolling interests	19	0.0%	-9	0.0%	-29				
Net income attributable to owners of the parent	4,081	5.0%	5,064	5.0%	982				

#### (Unit: millions of yen) [Key Changes]

### ◆ COGS ratio: 73.4% → 74.0%

 Despite the efforts to maintain appropriate sales prices and cost reductions, the COGS ratio went up by 0.6% from the same period of the previous fiscal year due to the increase in production costs and changes in the composition of sold cranes.

### Selling, general, and administrative expenses: ¥2,210 million increase

- Variable costs:
- Personnel costs:
- + ¥173 million +

¥538 million

 Other expenses: + ¥1,498 million

#### Non-operating income and loss:

- + Non-operating income: ¥178 million  $\rightarrow$  ¥192 million
- Non-operating loss: ¥249 million  $\rightarrow$  ¥503 million

#### Extraordinary income and loss:

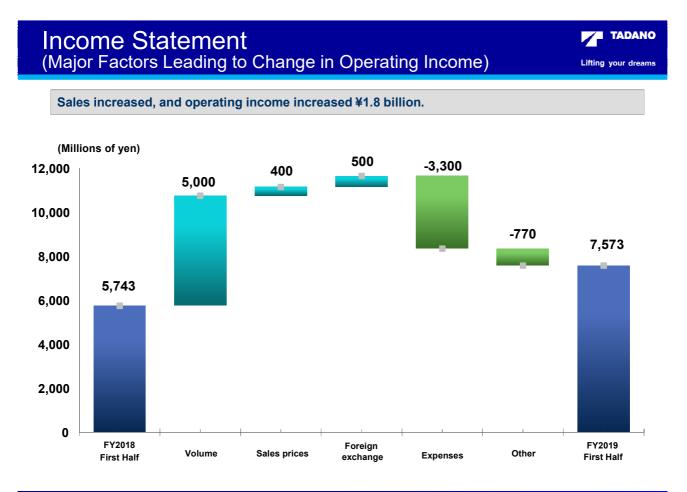
- + Extraordinary income: ¥6 million  $\rightarrow$  ¥492 million
- $\bullet\,$  Extraordinary loss: ¥9 million  $\rightarrow$  ¥16 million

\*Gain on negative goodwill of ¥487 million was recorded as extraordinary income.

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### Balance Sheet (vs. End of Previous Fiscal Year)

(Unit: millions of ye										
	FY 2018	/ear-End	FY 2019 F	First Half	Increase/ Decrease	Demag (Included in				
	Amount	Percentage	Amount	Percentage	Decrease	the total)				
Cash deposits	65,952	25.8%	77,441	24.4%	11,489	2,496				
Accounts receivable	50,836	19.9%	52,187	16.4%	1,350	6,578				
Inventories	62,757	24.5%	96,486	30.4%	33,729	27,938				
Other current assets	6,610	2.6%	6,994	2.2%	384	1,444				
Total current assets	186,156	72.8%	233,109	73.4%	46,953	38,458				
Tangible fixed assets	52,597	20.5%	65,967	20.8%	13,370	4,461				
Intangible fixed assets	1,703	0.7%	1,854	0.6%	150	198				
Investment and other assets	15,336	6.0%	16,602	5.2%	1,265	-16,287				
Total fixed assets	69,637	27.2%	84,424	26.6%	14,787	-11,627				
Total assets	255,793	100.0%	317,534	100.0%	61,740	26,830				
Accounts payable	41,792	16.3%	44,652	14.0%	2,860	6,210				
Interest-bearing debt	30,165	11.8%	69,124	21.8%	38,958	1,321				
Other liabilities	28,810	11.3%	46,622	14.7%	17,811	18,767				
Total liabilities	100,768	39.4%	160,399	50.5%	59,630	26,299				
Total equity	155,025	60.6%	157,135	49.5%	2,109	531				

100.0% 317,534 100.0% 61,740

Total liabilities and

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255,793

**Overview of Cash Flow** 

### [Key Changes]

#### Accounts receivable increased:

### ¥50.8 billion $\rightarrow$ ¥52.1 billion

(¥52.1 billion total includes ¥6.5 billion at Demag)

⇒ The receivable turnover period ameliorated. (FY2018 First Half: 87.2 days, FY2018: 98.5 days → FY2019 First Half: 83.2 days) \*Demag is excluded from the calculation of turnover

for FY2019 First Half

### ♦ Inventories increased: ¥62.7 billion $\rightarrow$ ¥96.4 billion

- (¥96.4 billion total includes ¥20.2 billion at TFG and ¥27.9 billion at Demag)
- ⇒ The inventory turnover period deteriorated. (FY2018 First Half:139.0 days, FY2018:121.5 days) → FY2019 First Half: 125.1 days)

\*Demag is excluded from the calculation of turnover for FY2019 First Half

### ♦ Interest-bearing debt increased: ¥30.1 billion $\rightarrow$ ¥69.1 billion

⇒ Short-term: increased by ¥36.1 billion Long-term: increased by ¥2.7 billion \*¥35.6 billion of bridge loan was obtained to finance the acquisition of Demag and the capital injection, etc.



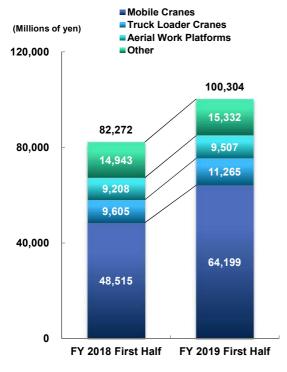
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### Total cash flow increased by ¥11.6 billion due to cash flow from financing activities. Increase in inventories: ¥6.9 billion Income before income taxes: ¥7.7 billion operating Decrease in account Decrease in accounts receivable: ¥5.5 billion activities: payables: ¥2.9 billion + ¥1.7 billion Payment of corporate taxes, et ¥1.7 billion cquisition of subsidiary shares ¥14.7 billion investing activities - ¥24.4 billion Acquisition of tangible fixed assets, etc.: ¥9.7 billion Net increase in Payment of dividends, etc.: ¥1.9 billion financing activities: short-term borrowings: + ¥34.9 billion ¥36.8 billion Foreign exchange difference: - ¥0.6 billion Total cash flow + ¥11.6 billion

26,830

## Net Sales by Product



	(	ono or yon)					
		2018 Half		2019 Half	Increase / Decrease		
	Amount	Percentage	Amount	Percentage	Amount	Percentage	
Mobile Cranes	48,515	59.0%	64,199	64.0%	15,683	32.3%	
Truck Loader Cranes	9,605	9,605 11.7%		11,265 11.2%		17.3%	
Aerial Work Platforms	9,208	11.2%	9,507 9.5%		299	3.3%	
Other	14,943	18.1%	15,332	15.3%	388	2.6%	
Total	82,272	82,272 100%		100%	18,031	21.9%	

♦Outside Japan sales ratio: 46.0% → 46.0%

Breakdown of Mobile Crane Sales Inside and Outside Japan

Japan	17,915	24,984	7,069	39.5%
Outside Japan	30,600	39,214	8,614	28.2%

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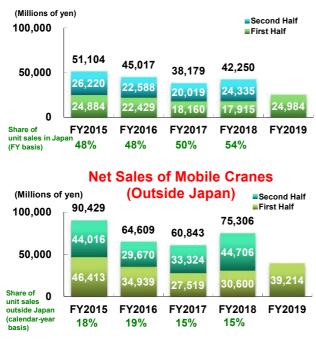
(Unit: millions of ven)

#### TADANO Sales Trends by Market Outside Japan Lifting your dreams (Millions of yen) Sales grew 21.9% compared to the same period of the previous fiscal year. Sales grew 40.5% in North America, 8.8% in Asia and 19.9% in Middle East, 120,000 but fell 9.5% in Europe compared to the same period of the previous fiscal year. 100,000 80,000 The GR-1600XL one of the world's largest-capacity Rough 60,000 Terrain Cranes 40,000 20,000 0 FY 19 First Half FY 18 First FY 00 FY 01 FY 02 FY 03 FY 04 FY 05 FY 06 FY 07 FY 08 FY 09 FY 10 FY 11 FY 12 FY 13 FY 14 FY 15 FY 16 FY 17 FY 18 Half Europe 11,978 12,000 25,566 12,739 12,510 16,844 20,211 22,844 20,701 19,122 9,528 8,627 11,435 9,754 10,893 16,292 19,170 29,630 19,196 11,643 16,849 North America 29,428 14,973 2,671 2,755 3,402 4,547 9,798 12,324 18,342 20,145 6,616 13,938 20,406 27,782 36.836 39,127 25,438 40,412 21,043 2,739 15,301 Caribbean, Central and South America 948 586 287 457 866 1.721 2.420 2.542 2.722 887 1.691 3.012 2.201 2.449 3.475 826 1.513 1.014 1.445 582 1.317 Asia 4,225 4,368 5,362 5,185 4,888 4,749 7,861 12,069 10,954 9,680 6,603 9,190 10,982 16,923 16,383 17,083 13,694 12,089 13,775 6,183 6,729 Middle East 2,142 3,098 3,602 5,663 7,347 8,507 11,708 13,878 15,836 5,948 6,686 7,432 10,090 18,167 17,052 17,680 10.375 9,699 6,156 2,556 3,064 Othe 956 1.524 2.066 3.696 4.634 5.790 7.409 9.158 10.063 5.177 3.939 7.654 9.970 13.320 9.576 6.881 5.683 7.069 10.469 4.041 5.377 Total 22,379 24,968 81,557 22,072 30,384 46,859 60.894 56,191 52.872 66,160 95,487 103.535 104,444 77,406 46.159 34,285 89,354 38.277 76,152 91,381 37,864 Outside Japan Sales Ratio 23.8% 25.0% 30.1% 31.4% 33 7% 38.8% 42 1% 46.8% 54 9% 53.9% 42.6% 46.3% 49.1% 52.5% 50.7% 49.9% 43.1% 43.8% 48 5% 46.0% 46.0% 79.84 Exchange rate (USD) 107.83 121.54 125.35 115.99 108.24 110.21 116.38 117.84 103.46 93.57 121.05 108.84 112.19 108.68 110.05 87.81 79.82 97.65 105.85 110.43 Exchange rate (EUR) 99.63 108.8 118.41 131.03 134.47 136.92 146.14 161.24 152.44 130.2 116.39 111.12 102.63 129.68 140.42 134.31 120.33 126.67 130.42 131.64 124.32

Notes • Other markets comprise Oceania, Africa, and the CIS.

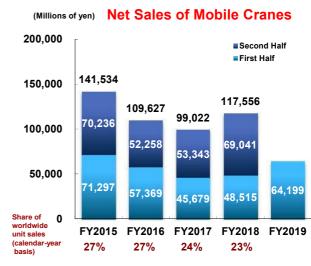
The exchange rates indicated above are average rates over each period. (Since the fiscal year of subsidiaries outside Japan ends in December, full-year rates are averages for January–December; interim rates are averages for January–June.)
 Euro figures for FY 2001 and earlier have been converted from Deutsche Mark.





**Net Sales of Mobile Cranes (Japan)** 

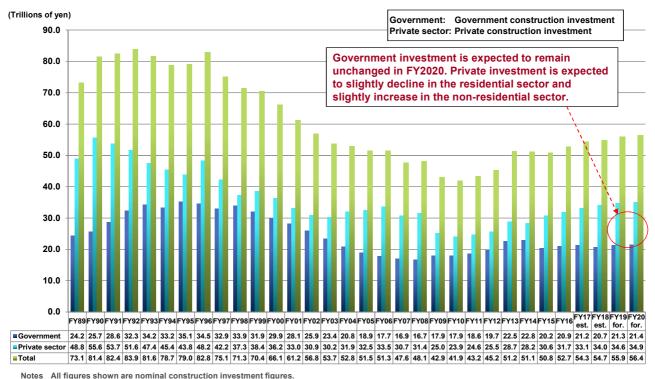
\* Shares are rounded to the nearest whole share.



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### Trends and Forecast of Construction Investment in Japan

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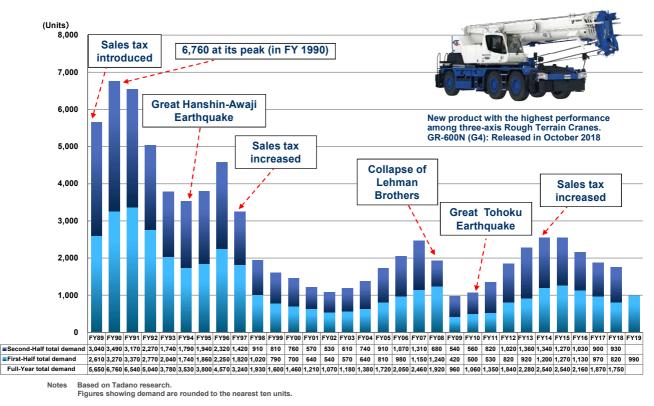


Forecasts are from the Research Institute of Construction and Economy's "Forecast of Construction Investment" (released on September 26, 2019)

### Trends in Demand for Mobile Cranes in Japan

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### **Mobile Cranes**

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Market share in Japan:  $53\% \rightarrow 53\%$ 

\*Figures showing demand are rounded to the nearest ten units, while shares are rounded to the nearest whole share.

Demand for hydraulic Mobile Cranes in Japan was 990 units (for FY2019 First Half, based on Tadano research), up 21% from the same period of the previous fiscal year.

⇒ Focusing on sales growth of large scale models in a climate of increasing demand. This focus resulted in an increase in the percentage share of tonnage in Japan from 42% to 55%. Net sales in Japan were ¥24,984 million (139.5% of the same period of the previous fiscal year).

### [Rough Terrain Cranes]

- Main models in the Japanese Mobile Cranes business account for 94% of demand in Japan (51% of North American demand)
- Cranes suited to urban use; essential to construction in urban areas. With compact bodies, these cranes perform well even in narrow areas (both front and rear axle steering)
- Able to operate the carrier and the crane from the same driver's seat

GR-1000N(G4)

- Japanese market: 8 models with 13 to 100 ton lifting capacity (produced by Tadano Ltd.)
   Markets outside Japan: 11 models with 13 to 145 ton lifting capacity (produced by Tadano Ltd.
- and Tadano Escorts India Pvt. Ltd.) • 16 models out of 19 have Hello-Net Telematics
- In Japan, these cranes travel on public roads;
   In North America, they are transported on trailers



Large cranes for urban development, elevated driveways, and bridge construction in Japan, account for

6% of demand in Japan (88% of European demand)

 Outstanding long-distance mobility in addition to maneuverability (with versatile steering)



- Markets outside Japan: 13 models with 40 to 400
- ton lifting capacity (produced by Tadano Faun GmbH in Germany)
- Japanese market: 7 models with 100 to 550 ton lifting capacity (produced by Tadano Faun GmbH in Germany and Tadano Ltd. in Japan)
- 14 models out of 20 have Hello-Net Telematics
- Demag brand: 15 models with 40 to 1,200 ton lifting capacity
- Disassembly required for transport on public roads in Japan. No disassembly required for transport in Europe

## **Mobile Cranes**

### [Truck Cranes]

- · Cranes mounted on truck chassis for superior roadability;
- primarily for markets outside Japan, with demand in Japan accounting for a few units
- Outstanding long-distance mobility • Japanese market: 3 models with 13 to 35 ton lifting capacity (produced by Tadano Ltd. in Japan)
- Markets outside Japan: 6 models with 30 to 75 ton lifting capacity
- (produced by Tadano Ltd. in Japan, Tadano Faun GmbH in Germany)
- 5 models out of 9 have Hello-Net Telematics.

### [Crawler Cranes]

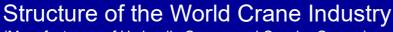
- Cranes mounted on undercarriage equipped with crawler tracks
- · Outstanding mobility on rough terrain and soft foundations
- Transported on trailers from job site to job site

### Lattice boom type

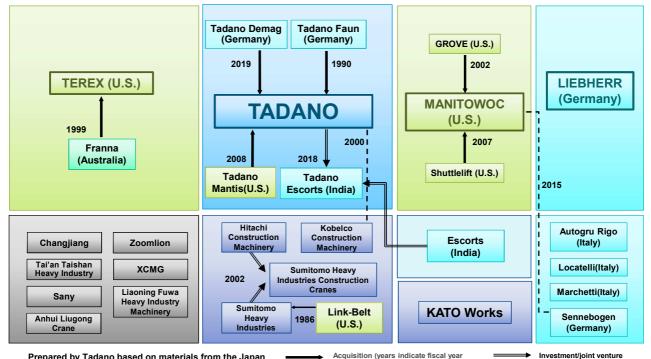
- Used for heavy construction (bridges, wind turbines, plants, etc.)
- Markets inside and outside Japan: 7 models with 400 to 3,200 ton lifting capacity on sale under the Demag brand (produced by Tadano Demag GmbH in Germany)

### Telescopic boom type

- . Used for utility work and construction, as well as for operations on rough terrain, on muddy terrain, and in tunnels.
- Markets outside Japan: 11 models with 27 to 120 ton lifting capacity (produced by Tadano Mantis Corporation in the United States)



(Manufacturers of Hydraulic Cranes and Crawler Cranes)



Prepared by Tadano based on materials from the Japan Construction Equipment Manufacturers Association.

Acquisition (years indicate fiscal year of acquisition) of acquisitio

Partnership (years indicate fiscal year of partnership)



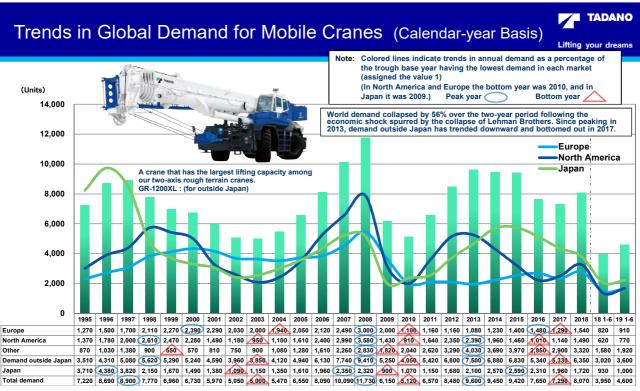
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### **GT-600EL**

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1. Crawler Cranes are excluded.

2. Mobile Cranes produced in Russia are excluded.

3. Starting from 2010 the graph includes Chinese construction cranes produced for export.

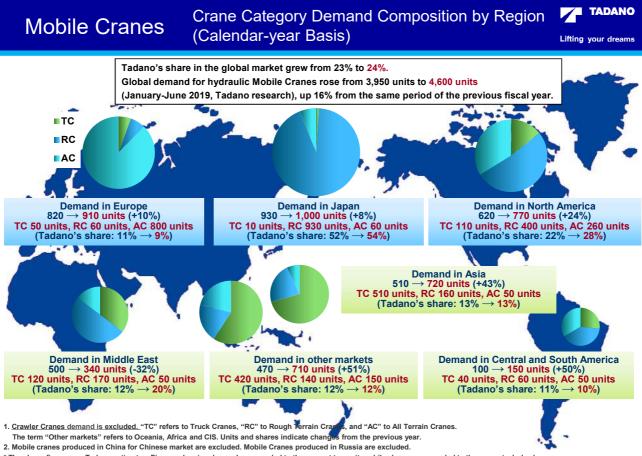
Mobile cranes produced in China for Chinese market are excluded.

Demand trends in Chinese Market for Mobile Cranes produced in China are as follows:

2011: 35,000 units, 2012: 22,000 units, 2013: 17,000 units, 2014: 14,000 units, 2015: 9,000 units, 2016: 9,000 units, 2017: 20,000 units, 2018: 32,000 units.

The above figures are Tadano estimates. Figures showing demand are rounded to the nearest ten units.

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\* The above figures are Tadano estimates. Figures showing demand are rounded to the nearest ten units, while shares are rounded to the nearest whole share

### **European Business**



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#### < Our mission for the European business >

Restoration of European business profitability, synergy creation through collaboration between Tadano Faun GmbH and Tadano Demag GmbH, and expansion of market share in Europe and sales promotion outside Europe

#### Overview of group companies in Europe

- [ Tadano Faun GmbH ]
- Acquired in 1990

Paid-in capital: 45 million EUR; wholly-owned subsidiary of Tadano Ltd.

Location: Lauf a.d. Pegniz, Germany

Line of business: Development, production, and distribution of All Terrain Cranes and Truck Cranes Representative and President: Kenichi Sawada; number of employees: 654

Sales trend:

2013; 313 million EUR/329 units, 2014; 308 million EUR/347 units, 2015; 304 million EUR/376 units, 2016; 319 million EUR/363 units, 2017; 279 million EUR/311 units, 2018; 313 million EUR/361 units

#### [ Tadano Demag GmbH ]

Acquired in 2019

Paid-in capital: 20 million EUR; wholly-owned subsidiary of Tadano Ltd.

Location: Zweibrücken, Germany

Line of business: Development, production, and distribution of All Terrain Cranes and Crawler Cranes

Representative and President: Jens Ennen; number of employees: 1,567

Sales trend (Demag Crane Business related to this acquisition):

2015; 631 million USD, 2016; 494 million USD, 2017; 470 million USD, 2018; 487 million USD

(Sales given above are unaudited figures provided by Terex Corporation)







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### North American Business

### < Our mission for the North American business > Increasing market share

#### Overview of group companies in North America

[ Tadano America Corp. ] Paid-in capital: 2.5 million USD; wholly-owned subsidiary of TAH\* Location: Houston, U.S.A. Line of business: Distribution of Mobile Cranes Representative and President: Ingo Schiller Number of employees: 92 Sales trend: 2013: 262 million USD; 2014: 305 million USD; 2015: 285 million USD 2016: 206 million USD; 2017: 230 million USD; 2018: 330 million USD

#### [ Tadano Mantis Corp. ] Acquired in 2008 Paid-in capital: 287,000 USD; wholly-owned subsidiary of TAH\* Location: Franklin, U.S.A. Lines of business: Manufacture and distribution of Telescopic Boom Crawler Cranes Representative and President: Kozo Yoshida Number of employees: 151 Sales trend: 2013: 36 million USD; 2014: 30 million USD; 2015: 40 million USD 2016: 27 million USD; 2017: 36 million USD; 2018: 44 million USD

\* TAH stands for Tadano America Holdings, Inc.





Features highly lauded 'Opti-Width' function and capability of working out of level. Received the 2017 Silver LLEAP \* Award in lifting equipment category by the American journal Lift and Access

\*LLEAP: Leadership in Lifting Equipment and Aerial Platforms

### **Business Outside Japan in other regions**



### <Our mission in other regions> Competing with Chinese manufactures

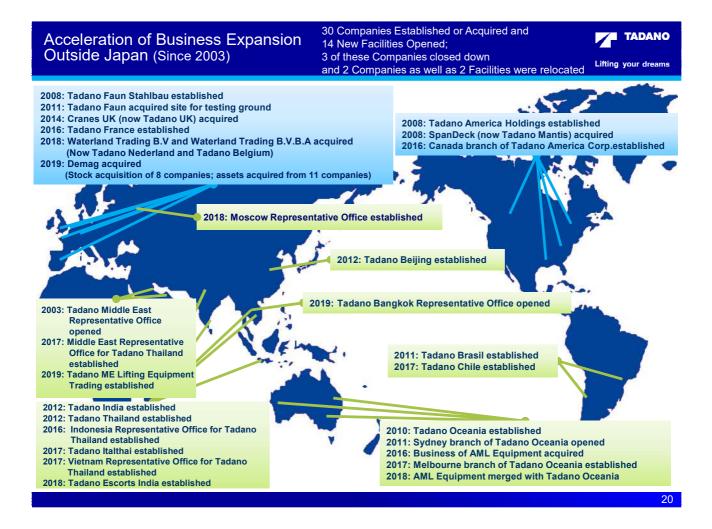
### Overview of group companies in other regions

[ Tadano Asia Pte. Ltd. ] Establishment: August 1996 Paid-in capital: 1 million SGD Ownership: Tadano Ltd. 80%, Multico Infracore Holdings Pte. Ltd. 20% Location: Singapore Line of business: Distribution and service of Mobile Cranes and other products Representative and President: Kozo Hayashi Number of employees: 17

[ Tadano Oceania Pty Ltd ] Establishment: February 2010 Paid in-capital: 7.5 million AUD wholly-owned subsidiary of Tadano Ltd. Location: Darra, Australia Line of business: Distribution and service of Mobile Cranes and other products Representative and President: Anthony Grosser Number of employees: 52



[ Tadano Escorts India Pvt. Ltd. ] Establishment: December 2018 Paid-in capital: 600 million INR Tadano Ltd. 51%, Escorts Ltd. 49% Location: Faridabad, India Line of business: Development, production, distribution, and service of Mobile Cranes Representative and President: Satoshi Nakayama Number of employees: 56



# **Truck Loader Cranes**



Demand in Japan was 8,380 units (for First Half of FY2019, based on Tadano research), increased 10% from the same period of the previous fiscal year.

- The new legislation making safety devices mandatory and regulation restricting engine emissions of small trucks led to a rush of demand; net sales amounted ¥11,265 million (117.3% of the same period of the previous fiscal year).
- · Mounted trucks, these small cranes allow operators to load, transport, and install cargo with a single unit.
- They are sold indirectly by truck dealers for use in logistics, landscaping, and construction industries.
- Numerous models are available for mounting on compact, mid-sized, and large trucks, with lifting capacities ranging from 0.49 to 15 tons.
  - · Primarily the Ministry of Health, Labour and Welfare -Regulators (In Japan)-(crane regulations) Truck dealers -Major buyers and distinctive features-
    - · Sales tend to parallel truck demand.

#### [Business outside Japan]

- Tadano has focused its efforts on exports of Loader Cranes to strategic markets, exporting crane components for mounting on local trucks. Sales in First Half of FY2018: ¥800 million Sales in First Half of FY2019: ¥850 million
- Accelerating expansion outside Japan, including the opening of a manufacturing subsidiary in Thailand in April 2012.



(ZR560 Loader Crane for export)

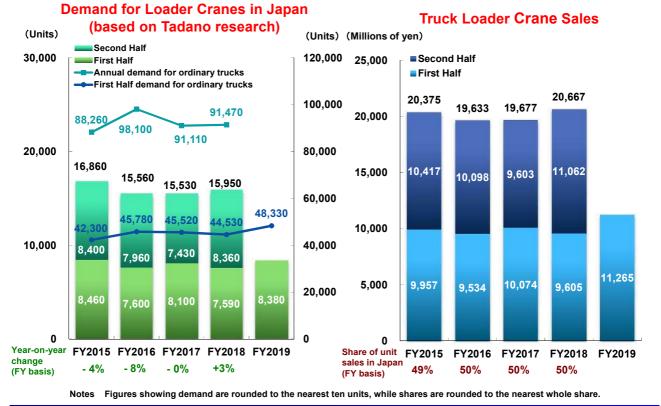




(Slide bed Vehicle Carrier [transport vehicle])

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# Truck Loader Cranes



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### Truck Loader Cranes - Steps for Globalization -

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### [ Tadano Italthai Co., Ltd.]

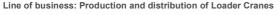
Paid-in capital:50 million THB

- (ownership: Tadano Ltd. 49%, ITI 48%, MHCB 3%)
- Establishment: May 2017
- Location: Bangkok, Thailand
- Line of business: Distribution of Loader Cranes
- Representative and President: Hidetoshi Iga; Number of employees: 9

### [ Tadano (Thailand) Co., Ltd. ]

Paid-in capital: 636 million THB; wholly-owned subsidiary of Tadano Ltd. Establishment: April 2012 (Operation launch: June 2013)

- Location: Rayong, Thailand





ZT1000 Loader Crane manufactured in the plant in Thailand

Productive capacity:1,000 units/year (Sales: 258 units in 2014, 418 units in 2015, 385 units in 2016, 381 units in 2017, 407 units in 2018) Representative and President: Shunsuke Mitani; Number of employees: 51

 This is Tadano's first production base outside Japan for Truck Loader Cranes. While accelerating the expansion of our business outside Japan, we aim to increase profitability through the operations of this manufacturing subsidiary.





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# **Aerial Work Platforms**

### Market share in Japan: $36\% \rightarrow 35\%$

Japanese demand for Aerial Work Platforms mounted on trucks was 3,000 units (for First Half of FY2019, based on Tadano research), up 26% from the same period of the previous fiscal year.

Owing to a rush demand arising from regulation restricting engine emissions of small trucks, sales to the rental industry increased, while sales of models for infrastructure maintenance and repair, and for the telecommunications industry decreased. Net sales amounted to ¥9,507 million (103.3% of the same period of the previous fiscal year).

### Mounted on trucks:

- 5 models for telecommunications use
- 3 models for electric construction use
- · 13 models for general construction use

### Wheeled: 2 models

0

FY2015

+8%

FY2016

+19%

Year-on-year

change

(FY basis)

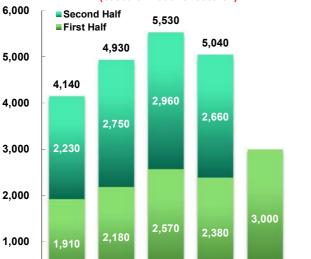
Super Deck: 5 models (Equipped with advanced control technologies)

Bridge Checker: 3 models (Used in inspections of elevated roadways and bridges)

25 models out of 31 have Hello-Net Telematics



**Aerial Work Platforms** 



FY2017

+12%

FY2018

- 9%



#### -Regulator (in Japan)-

· Primarily the Ministry of Health, Labour and Welfare (Aerial Work Platform regulations)

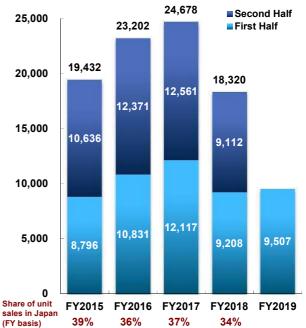
#### -Major buyers and distinctive features-

Power-related electrical construction, telecommunications, rental, general use, shipbuilding, Ministry of Land, Infrastructure, Transport and Tourism

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Notes Figures showing demand are rounded to the nearest ten units, while shares are rounded to the nearest whole share.

FY2019



## **Other Business**



Net sales from other businesses, such as parts, repairs, used cranes and other products, amounted to ¥15,332 million (102.6% of the same period of the previous fiscal year)

### [Used Cranes]

- In the first half of this fiscal year, both sales inside and outside Japan decreased
- · The globalization of this business will be a future focus

### [Parts and Repairs]

- Tadano books sales for repair parts (In general, repairs are done by designated service facilities and distributors outside Japan. These parties record the repair sales)
- In the first half of this fiscal year, sales in Japan
  increased, while sales outside Japan stayed unchanged



### Hydraulic gate-shaped lifters : TB-1000

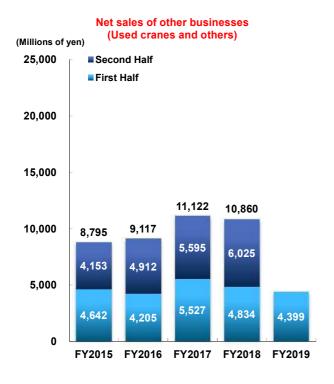
### [Hydraulic gate-shaped lifters]

These lifters have the capability of loading, carrying out and placing heavy goods safely and efficiently, even in places where mobile cranes and overhead traveling cranes cannot be used, such as inside of buildings, clean rooms and in tunnels.

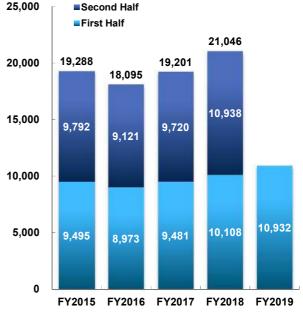
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### **Other Business**



Net sales of other businesses(Millions of yen)(Parts, repairs, and other products)



# FY 2019 Business Performance Forecast

(Unit:	millions	ofyen)
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	FY 2	2018	FY 2019 forecast		Tad (Existing		Den	Percent change	
	Amount	Percentage	Amount	Percentage	Amount Percentag		Amount	Percentage	
Net sales	188,451	100.0%	228,000	100.0%	200,700	100.0%	27,300	100.0%	21.0%
Operating income	15,835	8.4%	10,000	4.4%	14,500	7.2%	-4,500	-16.5%	-36.8%
Ordinary income	15,604	8.3%	10,000	4.4%					-35.9%
Net income attributable to owners of the parent	11,462	6.1%	5,000 2.2%						-56.4%

FY 2019 business performance forecast was revised on October 30.

Mid-year	¥13.00	Mid-year	¥14.00	]
Year-end	¥13.00	Year-end	¥14.00	
Full-year	¥26.00	Full-year	¥28.00	
d dividends	for FY1	9 include ¥	¥1 memo	rial dividend.
¥14,458	3 million	¥11,50	0 million	
¥2,984	4 million	¥3,80	0 million	
	¥110.43	¥108.00(2	nd Half)	
	¥130.42	¥120.00(2	nd Half)	
	Year-end Full-year d dividends ¥14,458 ¥2,984	Year-end ¥13.00 Full-year ¥26.00 d dividends for FY1 ¥14,458 million ¥2,984 million ¥110.43	Year-end      ¥13.00      Year-end        Full-year      ¥26.00      Full-year        d dividends for FY19 include      ¥        ¥14,458 million      ¥11,50        ¥2,984 million      ¥3,80        ¥108.00(2)      ¥	Year-end ¥13.00 Year-end ¥14.00 Full-year ¥26.00 Full-year ¥28.00 d dividends for FY19 include ¥1 memo ¥14,458 million ¥11,500 million

Figures for capital investment include leased assets.

The interim exchange rate of EUR was revised on October 30.

### [FY2019 Management Policy]

- (i) Pursue the Tadano Group's Core Values (Safety, Quality, Efficiency)
- (ii) Engage in last-year activities of the Mid-Term Management Plan (17-19)
- (iii) Focus on the Tadano Red Arrow, and engage in Tadano Yellow Arrow activities
- (iv) Prepare for and respond to Tadano Blue Arrow changes and escalating competition

FY 2019 proportion of sales

### outside Japan: 55.5%

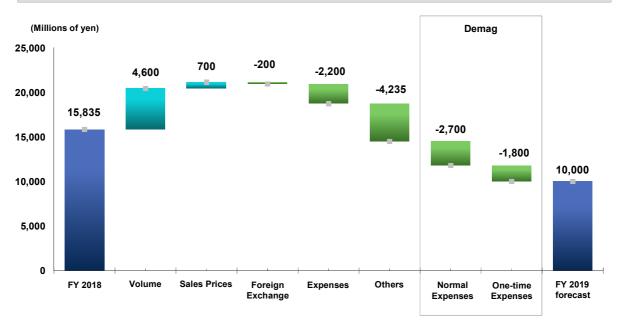
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# FY2019 Business Performance forecasts

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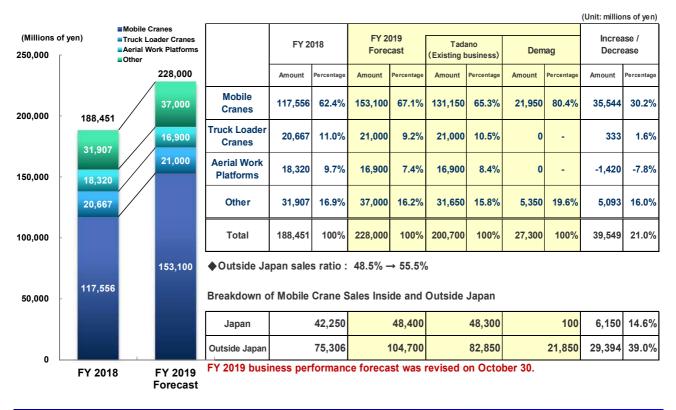
(Forecasted Main Causes of Changes in Operating Income)





### FY 2019 Forecast (Net Sales by Product)

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# FY 2019 Forecast (Net Sales by Destination)

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(Millions	of yen)											Unit: millio	nsofyen)		
150,000	North America		г ·			FY 20	018	FY 2 Fored		Tad (Existing		Der	nag	Increa Decre	
	Asia Middle East	126,500		Amount	Percentage	Amount	Percentage	Amount	Percentage	Amount	Percentage	Amount	Percentage		
	=Other	07.000	Europe	19,122	10.1%	27,800	12.2%	19,400	9.7%	8,400	30.8%	8,678	45.4%		
100.000		27,800	North America	40,412	21.4%	57,200	25.2%	46,600	23.2%	10,600	38.9%	16,788	41.5%		
,	91,381		Caribbean, Central and South America	1,445	0.8%	1,700	0.7%	1,600	0.8%	100	0.4%	255	17.6%		
	19,122		Asia	13,775	7.3%	13,700	6.0%	12,500	6.2%	1,200	4.4%	-75	-0.5%		
		57,200	Middle East	6,156	3.3%	12,400	5.4%	6,600	3.3%	5,800	21.2%	6,244	101.4%		
50,000	40,412		Other	10,469	5.6%	13,700	6.0%	12,650	6.3%	1,050	3.8%	3,231	30.9%		
	1,445	1,700 13,700	Subtotal (total outside Japan sales)	91,381	48.5%	126,500	55.5%	99,350	49.5%	27,150	99.5%	35,119	38.4%		
	13,775	12,400	Japan	97,069	51.5%	101,500	44.5%	101,350	50.5%	150	0.5%	4,431	4.6%		
	6,156 10,469	13,700	Total	188,451	100%	228,000	100%	200,700	100%	27,300	100%	39,549	21.0%		
0	FY 2018	FY 2019	FY 2019 busin				revised	on Octob	er 30.						

The graph on the left excludes Japan.

Forecast

"Other" is comprised of Oceania, Africa and the CIS.

Expanding production capacity in line with our efforts to become No.1 worldwide in the lifting equipment industry

New plant has begun full operation (August 2019)

We realized that in order to reach our long-term goal, which is	Name	Kozai Plant
to become No. 1 worldwide in the lifting equipment industry,	Location	Kozai Kitamachi, Takamatsu,
we would need further expanding production capacity.		Kagawa Pref.
Therefore, we purchased the prefectural government	Site Area	Approx. 200,000 m <sup>2</sup>
industrial land in the western Kozai district of the port of	Floor Area*	Approx. 47,000 m <sup>2</sup>
Takamatsu in November 2016. The first phase of the		
construction began in November 2017 and was finished in	Investment*	Approx. ¥21.5 billion
April 2019. The plant has begun full operation in August 2019.	Employees*	Approx. 200

\* Phase I Construction: (November 2017-July 2019) Phase II Construction is yet to be determined.



The opening ceremony on August 29

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### TOPICS

Expanding production capacity in line with our efforts to become No.1 worldwide in the lifting equipment industry

New plant viewed from the Seto Inland Sea (May 2019)

### Expanding production capacity

- Shido Plant's monthly rough terrain crane production capacity limit is 200 units.
- · Kozai Plant has a combined truck crane and large-scale, multiaxle rough terrain crane production capacity of 40 to 50 units per month.
- In addition, it supplies high-quality main parts (booms, cylinders, etc.) to overseas plants.



Air-conditioning system

### The concept

- Under the concept of "Next Generation Smart Plant: Harmonizing the Balance of People and Machinery, Connecting to the Next Generation of Smart Manufacturing.", the plant is fitted with automated guided vehicles, an air-conditioning system for the assembly line, and highly advanced equipment, all of which have been incorporated into the design with the aim of greatly increasing productivity.
- In addition, the finished products will be transported by barge from the port adjacent to the plant to ports in Kobe and Yokohama.



Barge



**Coating robots** 



#### Automatic guided vehicles



### Acquisition of the Demag Mobile Cranes Business Completed (July 2019)

Acquisition Price: \$215 million (approx. 23.6 billion yen)

\*This price is equivalent to the enterprise value of the target company, and it is subject to adjustment post-closing.

- The Demag Mobile Crane business, currently owned by Terex, has over 100 years of history and experience in the design and manufacture of world-class, large-capacity all terrain cranes and crawler cranes. Through the acquisition of Demag, Tadano further seeks to meet customer needs with the addition of lattice-boom crawler cranes to our product lineup, as well as the enhancement of our all terrain crane lineup.
- · Day 1 event was hosted in Germany on the day of completion of the acquisition.



Speech by the president for Day1 event



Group photo taken after the event

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