

The Current Condition of the Japanese Machine Tool Industry

Monthly Machine Tool Orders (June 2023)

The total value of machine tool orders in June was 122.03 billion yen. This was an increase of 2.1% compared to May 2023 and marked the first month of month-on-month growth in three months. However, this figure represented a decrease of 21.1% compared to the same month of the previous year and marked the sixth consecutive month of year-on-year decline.

Total orders topped 120 billion yen for the first time in two months and exceeded 100 billion yen for 29 consecutive months.

Orders in June did not show any major changes in market conditions, both domestically and internationally. We would like to keep an eye on future developments regarding the timing of recovery from the adjustment phase.

Domestic orders rose by 8.0% over May, amounting to 40.85 billion yen. This marked the first month of month-on-month growth in three months. On the other hand, this figure was a decrease of 30.4% from the same month of the previous year and marked the tenth consecutive month of year-on-year decline. Looking at major industries, orders compared to May rose by 9.4% in industrial machinery, fell by 6.9% in motor vehicles, rose by 31.6% in electrical & precision machinery, and fell by 30.0% in aircraft, shipbuilding & transport equipment.

Foreign orders fell by 0.7% from May to 81.18 billion yen, marked the third consecutive month of month-on-month decline. Moreover, foreign orders showed a decrease of 15.5% from the same month of the previous year, and this marked the sixth consecutive month of year-on-year decline. By region, orders from Asia fell by 7.5% from April to 33.31 billion yen. This was a decrease of 35.5% from the same month of the previous year. Orders from Europe rose by 8.2% over May to 19.37 billion yen. This was an increase of 28.3% over the same month of the previous year. Orders from North America rose by 3.5% over May, amounting to 26.24 billion yen. This figure was a decrease of 3.6% from the same month of the previous year.

JAPAN MACHINE TOOL BUILDERS' ASSOCIATION

Kikai Shinko Kaikan, 3-5-8, Shibakoen, Minato-ku Tokyo 105-0011, Japan

Tel : (03)3434-3961, Fax : (03)3434-3763, URL : <http://www.jmtba.or.jp>

NET NEW ORDERS – METAL CUTTING MACHINE TOOLS IN JAPAN

(Value: in Millions of Yen)

Period		Total 2022	22/21 (%)	23/01–23/03	23/04–23/06	Previous Quarter (%)	year-to-year (%)	23/01–23/06	year-to-year (%)	June '23	June 23/May 23 (%)	June 23/June 22 (%)
1. Primary Metals		19,675	109.4	4,917	4,065	82.7	79.2	8,982	88.3	1,336	91.6	67.5
2. Fabricated Metal Products		50,565	125.6	11,366	8,517	74.9	62.6	19,883	77.2	3,309	129.4	68.2
Machinery & Equipment Industries	3. Industrial Machinery	243,465	121.4	56,612	56,420	99.7	84.1	113,032	87.3	19,286	109.4	78.1
	(of which construction machinery)	13,655	122.3	3,068	4,031	131.4	89.2	7,099	88.9	1,011	52.9	57.4
	(of which dies and molds)	34,462	128.7	8,454	8,596	101.7	89.6	17,050	90.4	3,139	188.0	87.4
	4. Motor Vehicles	134,719	117.0	24,610	23,195	94.3	63.3	47,805	71.3	7,286	93.1	59.9
	(of which auto parts)	92,957	110.6	17,923	16,799	93.7	67.1	34,722	76.0	5,317	96.1	66.4
	5. Electrical Machinery	56,982	126.6	12,552	7,992	63.7	58.8	20,544	64.3	2,681	105.3	52.2
	6. Precision Machinery	29,525	120.9	6,507	4,815	74.0	66.9	11,322	69.7	2,130	192.1	73.6
	5 – 6. Electrical & Precision Machinery (Sub Total)	86,507	124.6	19,059	12,807	67.2	61.6	31,866	66.1	4,811	131.6	59.9
	7. Aircraft, Shipbuilding & Transport equipment	18,856	117.7	5,035	5,039	100.1	111.9	10,074	106.7	1,262	70.0	69.8
	(of which aircraft)	5,792	120.9	2,218	2,125	95.8	180.1	4,343	181.3	585	48.1	185.7
3 – 7. Sub total		483,547	120.6	105,316	97,461	92.5	75.5	202,777	79.8	32,645	105.6	69.9
8. Other Machinery & Equipment		26,245	98.0	4,940	6,379	129.1	79.2	11,319	82.0	2,071	121.2	69.9
9. Government, Public Agencies & Schools		2,205	30.0	225	415	184.4	153.7	640	84.9	179	121.8	126.1
10. Others		14,094	133.2	4,141	2,551	61.6	76.6	6,692	101.5	912	125.1	64.6
11. Trading Companies		6,900	109.8	798	992	124.3	53.9	1,790	54.8	398	134.9	63.5
1-11. Domestic Total		603,231	118.2	131,703	120,380	91.4	74.6	252,083	80.1	40,850	108.0	69.6
12. Foreign		1,156,370	112.1	262,498	253,856	96.7	84.1	516,354	86.5	81,175	99.3	84.5
1-12. Grand Total		1,759,601	114.2	394,201	374,236	94.9	80.8	768,437	84.3	122,025	102.1	78.9
(of which: NC machines)		1,727,473	114.0	388,378	369,366	95.1	81.2	757,744	84.7	120,262	101.9	79.3
Sales		1,568,350	122.2	441,920	380,609	86.1	104.9	822,529	109.1	142,721	114.4	101.8
(of which: NC machines)		1,544,745	122.4	435,621	374,810	86.0	104.8	810,431	109.1	140,373	114.3	101.8
Order Backlog		896,813	127.9	849,094	842,594	99.2	98.2	842,594	98.2	842,594	97.6	98.2
(of which: NC machines)		869,611	127.6	822,368	816,735	99.3	98.0	816,735	98.0	816,735	97.6	98.0

NET NEW ORDERS BY DESTINATION

(Value in Millions of yen)

2023		Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sep.		Oct.		Nov.		Dec.		Total		
			%		%		%		%		%		%		%		%		%		%		%		%	2023	%	
Asia	East Asia	Korea	1,996	75.6	1,810	87.1	2,196	80.4	1,835	65.2	3,016	65.4	2,841	76.5													13,694	73.7
		Taiwan	2,047	42.5	1,612	75.4	1,850	46.2	2,260	77.6	1,423	49.9	1,986	57.4													11,178	55.4
		China	24,012	73.7	29,417	98.2	30,084	90.2	25,876	80.5	23,509	70.7	19,091	54.9													151,989	77.5
		Other	0	-	298	3725.0	35	269.2	1	-	0	-	0	-													334	927.8
		East Asia Total	28,055	70.0	33,137	97.0	34,165	85.2	29,972	79.2	27,948	68.6	23,918	57.0													177,195	75.4
	Other Asia	Thailand	1,317	80.0	1,392	102.0	1,174	69.6	1,222	53.7	1,617	102.0	1,776	89.3													8,498	80.6
		Malaysia	1,489	149.0	618	52.2	1,138	86.6	1,074	65.3	750	59.5	1,090	114.9													6,159	83.8
		Singapore	385	82.8	736	233.7	844	22.9	716	63.1	942	133.8	712	76.0													4,335	59.8
		Philippine	143	246.6	311	170.9	173	18.5	125	58.1	38	9.5	299	65.4													1,089	48.5
		Indonesia	612	52.6	351	57.8	605	207.2	734	108.9	328	69.1	484	76.2													3,114	81.0
Vietnam		1,257	196.4	612	61.3	645	62.4	623	82.4	1,060	106.3	1,027	96.3													5,224	95.1	
India		3,824	153.0	2,666	77.2	2,941	106.6	6,645	200.3	3,324	153.6	3,999	131.2													23,399	135.7	
Other	3	50.0	3	37.5	7	16.7	5	7.2	2	66.7	2	0.4													22	3.2		
Other Asia Total	9,030	120.8	6,689	82.5	7,527	64.0	11,144	110.5	8,061	106.2	9,389	97.4													51,840	94.9		
Sub Total	37,085	78.0	39,826	94.2	41,692	80.4	41,116	85.8	36,009	74.5	33,307	64.5														229,035	79.1	
Europe	EU	Germany	4,616	103.5	5,107	106.8	4,813	112.0	4,405	104.3	4,241	91.9	5,189	110.8												28,371	104.8	
		Italy	3,735	81.7	2,419	62.5	3,168	67.4	3,117	82.9	3,160	87.1	2,867	82.2													18,466	76.9
		France	1,730	99.5	1,687	79.9	2,052	104.7	1,818	51.6	1,671	68.9	2,459	199.8													11,417	87.9
		Central Europe	867	59.0	1,665	115.3	1,719	120.4	1,218	70.4	1,454	121.0	1,376	82.8													8,299	92.9
		Other	3,521	104.1	3,360	86.6	3,502	107.7	3,639	111.1	2,978	79.5	3,164	113.4													20,164	99.2
	Sub Total	14,469	92.6	14,238	88.5	15,254	97.6	14,197	86.0	13,504	86.5	15,055	108.7													86,717	92.9	
	Other West Europe	U. K.	1,707	97.6	1,404	62.7	1,892	69.4	2,651	141.1	1,664	67.3	1,450	82.5													10,768	83.9
		Turkey	3,029	217.0	2,387	264.9	774	84.7	2,325	152.7	716	87.5	1,240	-													10,471	218.9
		Switzerland	1,516	203.5	981	125.1	1,498	201.6	1,194	186.6	1,692	153.0	1,270	112.8													8,151	158.5
		East Europe	84	103.7	186	238.5	171	211.1	264	614.0	240	279.1	228	68.7													1,173	167.3
		Russia - Other	-32	-	5	2.8	17	-	4	-	24	400.0	33	-													51	-
Sub Total		20,845	102.1	19,424	94.1	19,770	101.2	20,776	100.4	17,903	87.3	19,368	128.3													118,086	101.0	
North America & Oceania	North America	U. S. A.	22,733	84.6	21,312	92.8	25,530	84.9	24,672	90.7	22,207	72.0	22,279	91.2												138,733	85.4	
		Canada	1,239	110.5	1,101	59.4	1,558	107.1	1,131	67.8	1,620	132.9	1,596	104.6												8,245	93.2	
		Mexico	1,494	106.5	871	152.3	866	66.4	844	41.2	1,514	153.1	2,361	185.6												7,950	104.7	
	Sub Total	25,466	86.6	23,284	91.7	27,954	85.1	26,647	86.2	25,341	76.7	26,236	96.4													154,928	86.6	
South America	Brazil	866	141.0	850	149.4	874	151.2	836	111.6	1,142	158.4	1,415	205.1													5,983	152.6	
	Other	38	44.7	1	0.9	44	37.0	99	111.2	107	254.8	20	12.4													309	50.8	
	Sub Total	904	129.3	851	125.0	918	131.7	935	111.6	1,249	163.7	1,435	168.6													6,292	138.9	
Oceania	Australia	769	202.4	845	142.3	477	58.3	679	62.6	764	146.6	524	101.4													4,058	103.7	
	Other	101	117.4	179	69.1	20	95.2	71	56.8	1	0.7	103	118.4													475	66.5	
Sub Total	870	186.7	1,024	120.0	497	59.2	750	62.0	765	116.4	627	103.8													4,533	97.9		
Middle East	435	247.2	528	196.3	476	188.9	381	300.0	351	62.9	177	27.6													2,348	116.1		
Africa	80	148.1	226	1130.0	343	4900.0	360	391.3	98	-	25	65.8													1,132	536.5		
Grand Total	85,685	86.8	85,163	94.5	91,650	86.4	90,965	89.3	81,716	78.7	81,175	84.5													516,354	86.5		
Of which NC	85,093	86.9	84,556	94.7	91,168	86.8	90,401	89.9	81,205	78.8	80,599	84.7													513,022	86.8		

(Note) It will be described as "-", if the actual value is "negative" or "0" or no actual value.

Japan Machine Tool Builders' Association

From January 2021, the UK was moved from the "EU" to "other Western Europe".