

The Current Condition of the Japanese Machine Tool Industry

Monthly Machine Tool Orders (June 2024)

The total value of machine tool orders in June was 133.82 billion yen. This was an increase of 7.5% compared to May 2024 and marked the second consecutive month of month-on-month growth. Moreover, this figure represented an increase of 9.7% compared to the same month of the previous year and marked the second consecutive month of year-on-year growth.

Total orders exceeded 130 billion yen for the first time in three months, marking the second consecutive month of year-on-year increase.

Although orders in June showed an upward trend, this increase was localized, and we will need to closely monitor future trends to see when a full-scale recovery in orders will occur.

Domestic orders rose by 17.1% over May, amounting to 40.81 billion yen. This marked the first month of month-on-month growth in three months. However, this figure was a decrease of 0.1% over the same month of the previous year and marked the twenty-second consecutive month of year-on-year decline. Looking at major industries, orders compared to May rose by 14.7% in industrial machinery, by 19.8% in motor vehicles, fell by 9.2% in electrical & precision machinery, and rose by 34.1% in aircraft, shipbuilding & transport equipment.

Foreign orders rose by 3.7% over May to 93.01 billion yen, marked the second consecutive month of month-on-month growth. Additionally, foreign orders showed an increase of 14.6% over the same month of the previous year, and this marked the first month of year-on-year growth in two months. By region, orders from Asia rose by 10.3% over May to 47.00 billion yen. This was an increase of 41.1% over the same month of the previous year. Orders from Europe rose by 0.2% over May to 17.30 billion yen. This was a decrease of 10.7% from the same month of the previous year. Orders from North America fell by 14.6% from May, amounting to 23.60 billion yen. This figure was a decrease of 10.0% from the same month of the previous year.

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Main Statistics of Metal Cutting Machine Tools

Value in Millions of Yen

Period	ORDERS								PRODUCTION				SALES		INVENTORY		EXPORTS		IMPORTS		EMPLOYEES	WHOLE-SALE	
	Total	%	Domestic	%	Foreign	%	Sales	Order Backlog	Unites	Weight	Value	%	Unites	Value	Unites	Weight	Value	%	Value	%	No. of	PRICE	
	Value		Value	Value	Value	Value	Value	Value	ton						ton						Persons	INDEX	
C.Y. 2007	1,589,991	110.6	726,424	99.1	863,567	122.7	1,522,632	758,815	106,282	515,268	1,303,164	107.6	98,752	1,317,226	9,662	32,006	892,032	96.8	72,601	53.5	24,624	100.6	
2008	1,301,147	81.8	566,820	78.0	734,327	85.0	1,472,029	574,383	95,310	492,188	1,249,184	95.9	88,319	1,267,372	11,436	31,685	874,723	98.1	60,226	83.0	25,323	101.5	
2009	411,809	31.6	159,648	28.2	252,161	34.3	596,920	382,592	28,281	180,025	486,283	38.9	29,894	514,793	9,547	22,656	321,399	36.7	28,717	47.7	24,542	100.2	
2010	978,622	237.6	307,527	192.6	671,095	266.1	851,272	508,446	67,607	302,376	813,002	167.2	67,954	820,517	10,464	24,489	608,551	189.3	30,579	106.5	23,380	100.0	
2011	1,326,188	135.5	421,599	137.1	904,589	134.8	1,179,316	653,138	85,483	432,693	1,149,394	141.4	87,452	1,170,069	10,437	28,720	855,195	140.5	43,442	142.1	24,348	102.5	
2012	1,212,445	91.4	375,822	89.1	836,623	92.5	1,329,650	543,736	93,649	429,207	1,151,980	100.2	95,824	1,173,114	9,894	34,483	945,594	110.6	51,080	117.6	25,524	102.7	
2013	1,117,049	92.1	400,803	106.6	716,246	85.6	1,094,673	566,113	56,780	320,904	886,372	76.9	62,518	911,286	7,890	31,779	766,495	81.1	63,016	123.4	24,716	101.2	
2014	1,509,397	135.1	496,391	123.8	1,013,006	141.4	1,422,184	652,213	99,407	454,866	1,186,293	133.8	102,231	1,221,172	9,924	34,308	961,862	125.5	78,087	123.9	25,188	104.0	
2015	1,480,592	98.1	586,240	118.1	894,352	88.3	1,532,603	607,499	102,101	489,253	1,258,087	106.1	105,147	1,310,282	11,274	38,620	932,123	96.9	91,580	117.3	25,826	100.0	
2016	1,250,003	84.4	530,545	90.5	719,458	80.4	1,280,584	522,527	67,991	374,124	1,012,810	80.5	73,443	1,058,471	9,321	35,371	666,519	71.5	78,249	85.4	26,252	100.5	
2017	1,645,554	131.6	629,369	118.6	1,016,185	141.2	1,467,285	694,231	88,644	426,841	1,129,823	111.6	92,174	1,181,505	9,936	33,453	786,221	118.0	72,276	92.4	26,161	99.3	
2018	1,815,771	110.3	750,343	119.2	1,065,428	104.8	1,684,768	782,197	84,803	454,619	1,236,790	109.5	90,160	1,297,087	9,167	31,553	881,700	112.1	90,574	125.3	27,348	101.1	
2019	1,229,900	67.7	493,188	65.7	736,712	69.1	1,501,633	561,265	62,240	380,419	1,072,452	86.7	66,288	1,118,969	9,490	33,806	735,108	83.4	85,996	94.9	27,436	103.7	
2020	901,835	73.3	324,455	65.8	577,380	78.4	1,033,616	430,794	45,569	244,973	723,994	67.5	49,457	762,032	8,145	28,075	529,567	72.0	55,530	64.6	27,249	100.0	
2021	1,541,419	170.9	510,324	157.3	1,031,095	178.6	1,283,499	701,005	67,601	313,143	895,409	123.7	68,971	923,460	7,465	30,612	712,613	134.6	60,794	109.5	26,689	100.1	
2022	1,759,601	114.2	603,231	118.2	1,156,370	112.1	1,568,350	896,813	70,004	375,672	1,078,833	120.5	72,456	1,143,899	7,421	33,180	857,072	120.3	84,031	138.2	26,671	104.4	
2023	1,486,519	84.5	476,821	79.0	1,009,698	87.3	1,616,581	785,775	58,832	362,386	1,051,791	97.5	61,160	1,124,691	7,129	38,613	830,389	96.9	85,539	101.8	27,041	112.3	
F.Y. 2019	1,099,541	65.1	446,639	63.5	652,902	66.2	1,367,888	490,671	55,766	341,046	975,568	80.6	60,157	1,019,629	8,302	29,106	673,839	80.1	78,536	82.9	27,470	104.5	
2020	988,483	89.9	325,988	73.0	662,495	101.5	1,032,575	446,582	50,683	248,838	728,004	74.6	53,627	757,915	6,581	25,927	546,956	81.2	52,435	66.8	27,108	99.2	
2021	1,667,502	168.7	566,229	173.7	1,101,273	166.2	1,368,954	757,694	69,950	333,552	953,784	131.0	70,992	985,574	7,704	30,669	747,726	136.7	66,234	126.3	26,570	100.6	
2022	1,705,623	102.3	581,667	102.7	1,123,956	102.1	1,618,780	849,094	67,788	376,846	1,089,727	114.3	70,956	1,166,617	7,104	32,820	875,478	117.1	85,224	128.7	26,800	106.3	
2023	1,453,136	85.2	457,521	78.7	995,615	88.6	1,564,251	757,003	54,102	342,985	991,001	90.9	56,538	1,067,568	6,345	35,804	802,996	91.7	83,103	97.5	26,977	113.9	
2021 7-9	405,482	182.8	147,520	188.8	257,962	179.5	331,779	591,410	15,410	77,314	223,592	129.0	16,170	235,467	6,586	27,809	186,350	144.6	14,342	122.7	26,656	100.6	
10-12	433,850	160.7	151,485	172.6	282,365	155.0	336,819	701,005	15,631	81,045	228,722	129.4	15,300	233,218	7,465	30,612	187,897	141.0	19,070	137.8	26,518	101.6	
2022 1-3	448,179	139.1	153,267	157.4	294,912	131.2	391,490	757,694	19,425	95,939	277,686	126.6	19,760	293,109	7,704	30,669	197,087	121.7	19,118	139.8	26,375	100.7	
4-6	463,043	121.9	161,313	141.6	301,730	113.4	362,729	858,008	17,481	87,843	246,409	110.1	18,470	256,607	7,230	32,142	198,031	112.3	20,674	150.9	26,572	103.9	
7-9	432,587	106.7	156,164	105.9	276,423	107.2	402,230	888,365	17,014	97,737	281,353	125.8	17,417	298,698	7,451	33,353	222,335	119.3	21,387	149.1	26,719	106.5	
10-12	415,792	95.8	132,487	87.5	283,305	100.3	411,901	896,813	16,084	94,153	273,385	119.5	16,809	295,485	7,421	33,180	239,619	127.5	22,852	119.8	27,017	106.7	
2023 1-3	394,201	88.0	131,703	85.9	262,498	89.0	441,920	849,094	17,209	97,113	288,580	103.9	18,260	315,827	7,104	32,820	215,493	109.3	20,310	106.2	26,892	108.2	
4-6	374,236	80.8	120,380	74.6	253,856	84.1	380,609	842,594	15,281	91,753	260,377	105.7	15,024	262,942	7,971	39,763	196,936	99.4	23,430	113.3	27,243	111.8	
7-9	363,042	83.9	120,147	76.9	242,895	87.9	388,329	816,786	13,757	89,342	257,183	91.4	14,650	283,203	7,579	38,054	212,355	95.5	21,457	100.3	27,247	114.2	
10-12	355,040	85.4	104,591	78.9	250,449	88.4	405,623	785,775	12,585	84,178	245,651	89.9	13,226	262,719	7,129	38,613	205,605	85.8	20,341	89.0	26,783	114.8	
2024 1-3	360,818	91.5	112,403	85.3	248,415	94.6	389,590	757,003	12,479	77,712	227,790	78.9	13,638	258,704	6,345	35,804	188,100	87.3	17,875	88.0	26,635	114.7	
4-6	379,248	101.3	112,019	93.1	267,229	105.3	329,117	807,134															116.5
2023 1	129,087	90.3	43,402	98.3	85,685	86.8	112,262	913,638	4,931	27,984	83,624	107.1	4,670	83,043	7,878	35,654	52,781	120.8	8,568	114.7	26,888	105.1	
2	124,095	89.3	38,932	79.7	85,163	94.5	136,450	901,283	5,979	31,078	92,982	105.2	5,702	97,345	8,413	37,447	73,669	108.1	5,887	103.4	26,885	109.4	
3	141,019	84.8	49,369	82.0	91,650	86.4	193,208	849,094	6,299	38,051	111,974	100.7	7,888	135,439	7,104	32,820	89,043	104.4	5,855	98.3	26,904	110.0	
4	132,688	85.6	41,723	78.5	90,965	89.3	113,084	868,509	5,566	31,000	86,880	107.5	4,800	84,361	8,092	36,456	63,144	100.9	6,970	101.1	27,147	109.5	
5	119,523	77.9	37,807	76.4	81,716	78.7	124,804	863,228	4,769	28,057	80,711	104.1	5,065	81,064	8,018	38,618	61,399	99.2	8,272	114.4	27,291	111.0	
6	122,025	78.9	40,850	69.6	81,175	84.5	142,721	842,594	4,946	32,696	92,786	105.4	5,159	97,517	7,971	39,763	72,394	98.4	8,187	124.9	27,292	115.0	
7	114,340	80.3	39,385	75.8	74,955	82.9	118,436	838,498	4,531	29,753	83,997	99.2	4,576	87,965	8,125	41,497	67,980	96.6	6,562	77.4	27,309	114.3	
8	114,760	82.4	35,717	69.0	79,043	90.3	113,804	838,933	4,354	27,926	80,046	87.1	4,585	84,682	8,066	42,285	64,040	98.5	5,722	87.0	27,236	114.5	
9	133,942	88.8	45,045	85.9	88,897	90.3	156,089	816,786	4,872	31,663	93,140	88.9	5,489	110,556	7,579	38,054	80,334	92.4	9,173	144.9	27,196	113.9	
10	112,053	79.4	33,644	75.5	78,409	81.3	119,344	809,495	4,101	27,294	76,668	87.9	4,360	81,980	7,384	38,447	69,480	97.0	7,820	87.2	26,867	115.5	
11	115,899	86.4	32,696	71.6	83,203	94.0	128,275	797,119	4,001	26,608	78,031	83.2	4,179	79,910	7,266	40,077	58,553	69.0	6,418	100.9	26,682	114.9	
12	127,088	90.4	38,251	90.5	88,837	90.4	158,104	785,775	4,483	30,276	90,952	98.5	4,687	100,829	7,129	38,613	77,571	93.3	6,104	81.1	26,800	113.9	
2024 1	110,960	86.0	30,603	70.5	80,357	93.8	107,998	788,737	3,781	23,384	66,483	79.5	3,864	69,943	7,160	39,812	50,645	96.0	5,735	66.9	26,686		

NET NEW ORDERS – METAL CUTTING MACHINE TOOLS IN JAPAN

(Value: in Millions of Yen)

Period		Total 2023	23/22 (%)	23/01–24/03	24/04–24/06	Previous Quarter (%)	year-to-year (%)	24/01–24/06	year-to-year (%)	June ' 24	June 24/May 24 (%)	June 24/June 23 (%)
Industry												
1. Primary Metals		16,345	83.1	3,748	3,905	104.2	96.1	7,653	85.2	1,616	175.8	121.0
2. Fabricated Metal Products		36,813	72.8	9,444	7,624	80.7	89.5	17,068	85.8	2,834	138.3	85.6
Machinery & Equipment Industries	3. Industrial Machinery	203,557	83.6	45,992	43,656	94.9	77.4	89,648	79.3	16,468	114.7	85.4
	(of which construction machinery)	12,442	91.1	2,915	2,238	76.8	55.5	5,153	72.6	500	67.9	49.5
	(of which dies and molds)	28,189	81.8	5,321	4,045	76.0	47.1	9,366	54.9	1,864	178.5	59.4
	4. Motor Vehicles	100,588	74.7	23,208	25,805	111.2	111.3	49,013	102.5	9,245	119.8	126.9
	(of which auto parts)	73,519	79.1	17,098	17,447	102.0	103.9	34,545	99.5	5,365	95.4	100.9
	5. Electrical Machinery	36,272	63.7	9,582	6,060	63.2	75.8	15,642	76.1	1,769	81.6	66.0
	6. Precision Machinery	21,430	72.6	5,506	6,681	121.3	138.8	12,187	107.6	2,202	99.8	103.4
	5 – 6. Electrical & Precision Machinery (Sub Total)	57,702	66.7	15,088	12,741	84.4	99.5	27,829	87.3	3,971	90.8	82.5
	7. Aircraft, Shipbuilding & Transport equipment	20,172	107.0	4,974	7,447	149.7	147.8	12,421	123.3	2,732	134.1	216.5
	(of which aircraft)	8,509	146.9	2,310	4,368	189.1	205.6	6,678	153.8	1,663	125.4	284.3
3 – 7. Sub total	382,019	79.0	89,262	89,649	100.4	92.0	178,911	88.2	32,416	113.8	99.3	
8. Other Machinery & Equipment	22,867	87.1	5,070	4,756	93.8	74.6	9,826	86.8	1,527	102.8	73.7	
9. Government, Public Agencies & Schools	1,977	89.7	419	576	137.5	138.8	995	155.5	254	470.4	141.9	
10. Others	12,165	86.3	3,212	3,376	105.1	132.3	6,588	98.4	989	77.2	108.4	
11. Trading Companies	4,635	67.2	1,248	2,133	170.9	215.0	3,381	188.9	1,174	208.9	295.0	
1-11. Domestic Total	476,821	79.0	112,403	112,019	99.7	93.1	224,422	89.0	40,810	117.1	99.9	
12. Foreign	1,009,698	87.3	248,415	267,229	107.6	105.3	515,644	99.9	93,006	103.7	114.6	
1-12. Grand Total	1,486,519	84.5	360,818	379,248	105.1	101.3	740,066	96.3	133,816	107.5	109.7	
(of which: NC machines)	1,463,024	84.7	355,691	372,199	104.6	100.8	727,890	96.1	131,727	107.4	109.5	
Sales		1,616,581	103.1	389,590	329,117	84.5	86.5	718,707	87.4	119,420	105.6	83.7
(of which: NC machines)		1,591,253	103.0	382,228	324,633	84.9	86.6	706,861	87.2	117,621	105.3	83.8
Order Backlog		785,775	87.6	757,003	807,134	106.6	95.8	807,134	95.8	807,134	101.8	95.8
(of which: NC machines)		760,531	87.5	733,994	781,560	106.5	95.7	781,560	95.7	781,560	101.8	95.7

NET NEW ORDERS BY DESTINATION

(Value in Millions of yen)

2024		Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sep.		Oct.		Nov.		Dec.		Total		
			%		%		%		%		%		%		%		%		%		%		%		%	2024	%	
Asia	East Asia	Korea	2,470	123.7	1,769	97.7	1,973	89.8	3,162	172.3	2,993	99.2	2,375	83.6													14,742	107.7
		Taiwan	1,671	81.6	1,405	87.2	2,004	108.3	2,176	96.3	2,223	156.2	2,865	144.3													12,344	110.4
		China	22,686	94.5	22,819	77.6	25,373	84.3	26,560	102.6	27,987	119.0	31,695	166.0													157,120	103.4
		Other	0	-	0	-	260	742.9	35	3500.0	0	-	0	-													295	88.3
		East Asia Total	26,827	95.6	25,993	78.4	29,610	86.7	31,933	106.5	33,203	118.8	36,935	154.4													184,501	104.1
	Other Asia	Thailand	2,247	170.6	1,666	119.7	1,518	129.3	1,102	90.2	2,185	135.1	2,561	144.2													11,279	132.7
		Malaysia	987	66.3	844	136.6	983	86.4	1,151	107.2	1,087	144.9	933	85.6													5,985	97.2
		Singapore	909	236.1	364	49.5	476	56.4	270	37.7	628	66.7	337	47.3													2,984	68.8
		Philippine	83	58.0	345	110.9	238	137.6	149	119.2	113	297.4	307	102.7													1,235	113.4
		Indonesia	512	83.7	396	112.8	217	35.9	488	66.5	188	57.3	503	103.9													2,304	74.0
Vietnam		1,014	80.7	1,655	270.4	1,182	183.3	1,312	210.6	955	90.1	764	74.4													6,882	131.7	
India		4,234	110.7	5,159	193.5	4,317	146.8	5,547	83.5	4,198	126.3	4,654	116.4													28,109	120.1	
Other	2	66.7	3	100.0	13	185.7	3	60.0	58	2900.0	3	150.0													82	372.7		
Other Asia Total	9,988	110.6	10,432	156.0	8,944	118.8	10,022	89.9	9,412	116.8	10,062	107.2													58,860	113.5		
Sub Total	36,815	99.3	36,425	91.5	38,554	92.5	41,955	102.0	42,615	118.3	46,997	141.1													243,361	106.3		
Europe	EU	Germany	3,667	79.4	4,140	81.1	4,095	85.1	3,436	78.0	3,519	83.0	4,468	86.1												23,325	82.2	
		Italy	2,480	66.4	1,694	70.0	2,012	63.5	2,770	88.9	2,407	76.2	2,125	74.1												13,488	73.0	
		France	1,338	77.3	2,351	139.4	1,606	78.3	1,715	94.3	1,913	114.5	2,616	106.4												11,539	101.1	
		Central Europe	1,312	151.3	1,985	119.2	1,720	100.1	1,241	101.9	1,560	107.3	1,006	73.1												8,824	106.3	
		Other	4,070	115.6	3,013	89.7	3,510	100.2	3,334	91.6	3,570	119.9	3,644	115.2												21,141	104.8	
	Sub Total	12,867	88.9	13,183	92.6	12,943	84.8	12,496	88.0	12,969	96.0	13,859	92.1													78,317	90.3	
	Other West Europe	U.K.	3,800	60.1	3,749	75.1	4,177	96.5	4,437	70.3	4,261	103.0	3,329	82.2													23,753	78.8
		Turkey	1,291	75.6	1,617	115.2	1,555	82.2	1,699	64.1	1,854	111.4	1,527	105.3													9,543	88.6
		Turkey	1,697	56.0	1,446	60.6	1,612	208.3	2,086	89.7	1,888	263.7	1,399	112.8													10,128	96.7
		Switzerland	812	53.6	653	66.6	741	49.5	396	33.2	382	22.6	256	20.2													3,240	39.7
		East Europe	70	83.3	200	107.5	131	76.6	10	3.8	26	10.8	107	46.9													544	46.4
		Russia - Other	4	-	8	160.0	6	35.3	7	175.0	7	29.2	7	21.2													39	76.5
		Sub Total	16,741	80.3	17,140	88.2	17,257	87.3	16,950	81.6	17,263	96.4	17,302	89.3													102,653	86.9
North America	U.S.A.	21,052	92.6	22,585	106.0	24,191	94.8	18,899	76.6	23,600	106.3	21,393	96.0													131,720	94.9	
	Canada	1,748	141.1	1,403	127.4	1,447	92.9	2,169	191.8	1,666	102.8	1,333	83.5													9,766	118.4	
	Mexico	1,525	102.1	1,657	190.2	2,582	298.2	1,632	193.4	2,366	156.3	876	37.1													10,638	133.8	
	Sub Total	24,325	95.5	25,645	110.1	28,220	101.0	22,700	85.2	27,632	109.0	23,602	90.0													152,124	98.2	
S & C America	Brazil	455	52.5	1,094	128.7	1,241	142.0	1,705	203.9	693	60.7	642	45.4													5,830	97.4	
	Other	213	560.5	20	2000.0	27	61.4	33	33.3	128	119.6	3,465	17325.0													3,886	1257.6	
	Sub Total	668	73.9	1,114	130.9	1,268	138.1	1,738	185.9	821	65.7	4,107	286.2													9,716	154.4	
Oceania	Australia	611	79.5	595	70.4	531	111.3	318	46.8	868	113.6	842	160.7													3,765	92.8	
	Other	138	136.6	89	49.7	37	185.0	67	94.4	83	8300.0	25	24.3													439	92.4	
	Sub Total	749	86.1	684	66.8	568	114.3	385	51.3	951	124.3	867	138.3													4,204	92.7	
Middle East	1,004	230.8	540	102.3	334	70.2	741	194.5	384	109.4	131	74.0													3,134	133.5		
Africa	55	68.8	117	51.8	192	56.0	61	16.9	27	27.6	0	-													452	39.9		
Grand Total	80,357	93.8	81,665	95.9	86,393	94.3	84,530	92.9	89,693	109.8	93,006	114.6													515,644	99.9		
Of which NC	79,444	93.4	81,326	96.2	85,896	94.2	84,189	93.1	89,232	109.9	92,569	114.9													512,656	99.9		

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

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

Japan Machine Tool Builders' Association