

## The Current Condition of the Japanese Machine Tool Industry

### Monthly Machine Tool Orders (June 2021)

The total value of machine tool orders in June was 132.08 billion yen. This was an increase of 6.6% compared to May 2021 and marked the first month of month-on-month growth in three months. Moreover, this figure represented an increase of 96.6% compared to the same month of the previous year and marked the eighth consecutive month of year-on-year growth.

The total amount of orders exceeded 130 billion yen for the first time in 27 months since March 2019 (130.66 billion yen).

Recovery is progressing in all regions, and we would like to expect further revival in the future. On the other hand, we would like to continue to pay close attention to the spread of infection.

Domestic orders rose by 34.4% over May, amounting to 44.66 billion yen. This marked the first month of month-on-month growth in three months. Furthermore, this figure was an increase of 91.1% over the same month of the previous year and marked the year-on-year growth in three consecutive months. Looking at major industries, orders compared to May rose by 26.9% in industrial machinery, by 38.8% in motor vehicles, by 37.7% in electrical & precision machinery, and fell by 7.2% in aircraft, shipbuilding & transport equipment.

Foreign orders fell by 3.6% from May to 87.43 billion yen, marked the first consecutive month of month-on-month decline in five months. However, foreign orders showed an increase of 99.5% over the same month of the previous year, and this marked the eighth consecutive month of year-on-year growth. By region, orders from Asia fell by 14.6% from May to 43.08 billion yen. This was an increase of 103.1% over the same month of the previous year. Orders from Europe rose by 6.4% over May to 18.16 billion yen. This was an increase of 192.4% over the same month of the previous year. Orders from North America rose by 11.0% over May, amounting to 24.46 billion yen. This figure was an increase of 66.7% over the same month of the previous year.

# 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		ton						ton					Persons	INDEX	
C.Y. 2004	1,236,192	145.2	672,839	152.4	563,353	137.6	1,025,726	555,840	79,500	361,935	878,082	127.2	76,091	879,589	4,092	17,384	683,066	121.1	88,245	166.0	22,141	101.6	
2005	1,363,203	110.3	746,709	111.0	616,494	109.4	1,275,637	644,180	92,385	453,038	1,110,257	126.4	88,719	1,125,758	5,049	23,025	815,110	119.3	107,453	121.8	22,907	100.0	
2006	1,436,970	105.4	733,009	98.2	703,961	114.2	1,407,258	684,266	100,171	492,096	1,211,230	109.1	94,383	1,232,261	6,963	26,930	921,456	113.0	135,649	126.2	23,503	101.1	
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	826,197	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	104.7	
F.Y. 2016	1,289,310	92.2	531,575	91.8	757,735	92.4	1,251,224	531,962	67,060	366,470	989,202	83.5	70,973	1,028,610	9,212	32,928	649,014	76.8	75,944	86.6	26,196	100.2	
2017	1,780,339	138.1	687,975	129.4	1,092,364	144.2	1,578,249	727,486	97,915	457,502	1,203,453	121.7	102,009	1,259,109	9,532	30,607	867,434	133.7	74,455	98.0	26,436	99.5	
2018	1,689,133	94.9	703,366	102.2	985,767	90.2	1,666,400	751,183	76,151	438,300	1,210,013	100.5	81,169	1,272,572	9,171	29,803	841,164	97.0	94,726	127.2	27,387	101.8	
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	49,996	248,982	727,868	74.6	53,329	757,975	7,969	26,393	546,956	81.2	52,435	66.8	27,102	103.9	
2018 7-9	444,980	106.9	194,217	115.6	250,763	101.0	419,902	834,040	19,155	111,159	305,640	102.5	20,678	322,923	9,193	32,470	219,327	103.9	22,039	114.7	27,448	101.5	
10-12	406,746	87.5	172,383	98.8	234,363	80.6	415,553	826,197	18,123	107,382	297,847	98.9	19,342	316,926	9,167	31,553	196,648	88.9	28,640	150.1	27,421	101.5	
2019 1-3	365,807	74.3	142,378	75.2	223,429	73.7	440,821	751,183	18,436	111,038	312,185	92.1	19,700	334,452	9,171	29,803	205,854	83.5	24,233	120.7	27,279	102.9	
4-6	316,119	67.0	123,934	63.8	192,185	69.3	351,564	715,738	15,598	94,086	263,823	89.6	16,497	265,489	9,513	33,994	187,244	85.4	21,169	106.8	27,573	103.1	
7-9	288,738	64.9	124,777	64.2	163,961	65.4	375,809	628,667	14,951	92,970	263,112	86.1	16,265	278,308	9,249	32,671	178,320	81.3	20,601	93.5	27,505	103.4	
10-12	259,236	63.7	102,099	59.2	157,137	67.0	333,439	561,265	13,255	82,325	233,332	78.3	13,826	240,720	9,490	33,806	163,690	83.2	19,993	69.8	27,387	105.5	
2020 1-3	235,448	64.4	95,829	67.3	139,619	62.5	307,076	490,671	11,962	71,665	215,301	69.0	13,569	235,112	8,302	29,106	144,586	70.2	16,773	69.2	27,416	105.9	
4-6	174,572	55.2	62,703	50.6	111,869	58.2	218,148	447,095	9,523	53,084	158,647	60.1	10,226	162,725	8,290	29,800	122,887	65.6	13,233	62.5	27,338	104.8	
7-9	221,867	76.8	78,147	62.6	143,720	87.7	249,558	419,404	11,098	58,825	173,287	65.9	11,810	181,194	8,302	28,294	128,857	72.3	11,687	56.7	27,230	103.9	
10-12	269,948	104.1	87,776	86.0	182,172	115.9	258,834	430,794	12,986	61,399	176,759	75.8	13,852	183,001	8,145	28,075	133,237	81.4	13,837	69.2	27,012	104.0	
2021 1-3	322,096	136.8	97,362	101.6	224,734	161.0	506,035	446,582	16,389	75,674	219,175	101.8	17,441	231,055	7,969	26,393	161,974	112.0	13,678	81.5	26,828	102.9	
4-6	379,991	217.7	113,957	181.7	266,034	237.8	308,866	517,707															
2020 1	80,777	64.4	29,586	63.3	51,191	65.1	88,094	553,948	3,764	22,869	65,669	73.4	3,985	65,648	9,618	35,236	37,603	73.3	7,398	81.4	27,433	106.5	
2	77,224	70.4	31,997	76.8	45,227	66.4	92,301	539,905	3,946	22,893	68,925	71.3	4,224	73,362	9,071	32,999	50,171	72.4	4,378	57.5	27,415	106.3	
3	77,447	59.3	34,246	63.5	43,201	56.3	126,681	490,671	4,252	25,903	80,707	64.0	5,360	96,102	8,302	29,106	56,812	66.6	4,997	66.4	27,401	104.9	
4	56,143	51.7	21,149	48.6	34,994	53.7	67,769	479,045	3,125	17,878	52,796	62.1	3,301	54,090	8,378	29,703	41,859	65.3	5,057	77.8	27,353	104.5	
5	51,239	47.2	18,192	42.6	33,047	50.2	66,801	463,483	3,029	16,662	48,597	55.4	3,125	48,546	8,495	30,436	37,289	60.3	4,380	51.9	27,339	105.0	
6	67,190	67.9	23,362	62.0	43,828	71.6	83,578	447,095	3,369	18,544	57,254	62.9	3,800	60,089	8,290	29,800	43,739	71.4	3,797	60.9	27,323	105.0	
7	69,788	68.9	24,808	60.3	44,980	74.8	75,749	441,134	3,321	18,335	54,447	64.7	3,601	55,432	8,235	29,898	41,140	67.1	3,490	50.1	27,260	104.7	
8	67,980	76.8	23,069	61.5	44,911	88.2	71,173	437,941	3,660	18,254	53,599	67.5	3,496	52,186	8,646	31,007	42,133	72.2	3,717	51.0	27,250	103.6	
9	84,099	85.0	30,270	65.7	53,829	101.7	102,636	419,404	4,117	22,236	65,241	65.5	4,713	73,576	8,302	28,294	45,584	77.7</					

## NET NEW ORDERS – METAL CUTTING MACHINE TOOLS IN JAPAN

(Value: in Millions of Yen)

Period		Total 2020	20/19 (%)	21/01–21/03	21/04–21/06	Previous Quarter (%)	year-to-year (%)	21/01–21/06	year-to-year (%)	June '21	June 21/May 21 (%)	June 21/June 20 (%)
Industry												
1. Primary Metals		11,265	74.7	3,905	3,671	94.0	152.6	7,576	118.1	1,622	170.0	239.2
2. Fabricated Metal Products		23,498	73.4	6,945	8,328	119.9	210.7	15,273	151.9	3,313	119.3	196.9
Machinery & Equipment Industries	3. Industrial Machinery	133,112	65.8	36,952	44,072	119.3	165.0	81,024	122.5	16,874	126.9	180.2
	(of which construction machinery)	7,013	60.8	1,508	2,157	143.0	258.0	3,665	105.8	733	89.5	137.5
	(of which dies and molds )	13,283	63.3	4,240	5,060	119.3	151.9	9,300	133.0	2,382	195.2	196.4
	4. Motor Vehicles	83,437	59.7	27,354	29,052	106.2	209.3	56,406	142.9	10,569	138.8	196.8
	(of which auto parts)	55,580	54.9	19,639	21,831	111.2	224.3	41,470	165.9	8,908	152.2	227.4
	5. Electrical Machinery	21,239	90.2	7,026	8,470	120.6	166.0	15,496	145.2	3,552	141.7	148.6
	6. Precision Machinery	13,076	67.1	3,648	6,496	178.1	212.4	10,144	151.3	2,892	133.0	234.2
	5 – 6. Electrical & Precision Machinery (Sub Total)	34,315	79.8	10,674	14,966	140.2	183.4	25,640	147.5	6,444	137.7	177.7
	7. Aircraft, Shipbuilding & Transport equipment	11,089	45.4	3,214	2,630	81.8	132.1	5,844	97.8	825	92.8	91.1
	(of which aircraft)	3,598	30.0	1,140	619	54.3	178.4	1,759	66.4	194	59.0	293.9
3 – 7. Sub total		261,953	64.0	78,194	90,720	116.0	178.8	168,914	131.0	34,712	131.1	180.2
8. Other Machinery & Equipment		12,185	77.2	4,871	5,992	123.0	210.9	10,863	181.4	2,690	160.7	329.3
9. Government, Public Agencies & Schools		2,975	118.5	275	1,072	389.8	536.0	1,347	226.0	671	310.6	615.6
10. Others		8,444	70.1	2,197	2,327	105.9	133.0	4,524	105.4	783	104.1	130.1
11. Trading Companies		4,135	65.4	975	1,847	189.4	225.5	2,822	126.3	865	231.9	417.9
1-11. Domestic Total		324,455	65.8	97,362	113,957	117.0	181.7	211,319	133.3	44,656	134.4	191.1
12. Foreign		577,380	78.4	224,734	266,034	118.4	237.8	490,768	195.1	87,425	96.4	199.5
1-12. Grand Total		901,835	73.3	322,096	379,991	118.0	217.7	702,087	171.2	132,081	106.6	196.6
(of which: NC machines)		884,770	73.3	317,186	374,264	118.0	218.8	691,450	172.0	130,079	106.5	197.0
Sales		1,033,616	68.8	306,035	308,866	100.9	141.6	614,901	117.1	112,834	111.2	135.0
(of which: NC machines)		1,010,596	68.5	300,273	303,691	101.1	142.7	603,964	117.6	111,151	111.1	135.7
Order Backlog		430,794	76.8	446,582	517,707	115.9	115.8	517,707	115.8	517,707	103.9	115.8
(of which: NC machines)		415,568	76.6	432,481	503,054	116.3	116.5	503,054	116.5	503,054	103.9	116.5

# NET NEW ORDERS BY DESTINATION

(Value in Millions of yen)

2021		Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sep.		Oct.		Nov.		Dec.		Total 2021				
			%		%		%		%		%		%		%		%		%		%		%		%		%		%	
Asia	East Asia	Korea	2,804	140.2	3,692	208.9	2,314	161.6	2,340	152.2	2,190	233.7	3,327	250.5														16,667	185.2	
		Taiwan	2,230	123.8	2,462	198.1	2,923	206.3	3,089	305.5	2,392	145.3	3,302	319.0														16,398	201.1	
		China	25,705	239.3	30,212	409.4	37,384	330.9	37,795	326.9	38,751	273.4	28,056	181.5														197,903	280.3	
		Other	0	-	1	4.3	0	-	368	-	0	-	0	-														369	1085.3	
	East Asia Total	30,739	211.4	36,367	349.2	42,621	301.0	43,592	309.0	43,333	258.6	34,685	194.7														231,337	263.5		
	Other Asia	Thailand	1,022	103.5	1,116	54.2	1,552	105.2	1,380	147.0	1,858	605.2	1,680	304.3														8,608	136.2	
		Malaysia	764	457.5	517	74.1	542	43.7	831	244.4	740	229.1	1,321	250.2														4,715	143.0	
		Singapore	483	187.9	361	214.9	529	111.4	1,468	308.4	621	149.6	873	395.0														4,335	215.5	
		Philippine	23	13.1	60	46.5	259	99.2	120	117.6	74	224.2	161	251.6														697	91.1	
		Indonesia	202	24.9	313	60.7	564	153.3	544	290.9	684	670.6	601	326.6														2,908	134.1	
Vietnam		614	85.5	253	29.2	370	144.0	654	145.0	930	332.1	1,052	305.8														3,873	132.8		
India		1,750	94.7	4,810	359.5	4,020	467.4	3,033	393.4	2,190	489.9	2,703	180.0														18,506	273.6		
Other	4	133.3	25	2500.0	14	466.7	9	3.0	7	700.0	4	400.0														63	20.3			
Other Asia Total	4,862	97.9	7,455	129.1	7,850	158.9	8,039	225.4	7,104	372.3	8,395	247.2														43,705	178.0			
Sub Total	35,601	182.5	43,822	270.7	50,471	264.3	51,631	292.1	50,437	270.2	43,080	203.1															275,042	244.8		
Europe	EU	Germany	2,514	80.0	3,005	128.0	3,223	238.9	2,933	364.3	3,747	447.7	3,506	325.8													18,928	198.1		
		Italy	1,770	105.3	2,106	275.7	2,866	550.1	2,991	1137.3	3,266	781.3	3,460	415.9														16,459	367.5	
		France	874	87.1	1,046	131.6	1,134	266.8	1,294	416.1	1,366	379.4	1,443	347.7														7,157	216.2	
		Central Europe	865	67.8	635	36.8	1,015	129.0	1,378	181.3	1,337	352.8	1,416	292.6														6,646	122.8	
		Other	2,110	99.9	1,815	78.7	2,305	122.2	2,530	265.5	2,880	220.4	3,499	231.3														15,139	150.2	
	Sub Total	8,133	-	8,607	-	10,543	-	11,126	-	12,596	-	13,324	-															64,329	-	
	Other West Europe	U.K.	1,012	65.1	1,123	83.9	1,279	160.7	1,516	207.4	1,664	545.6	1,996	263.0														8,590	156.6	
		Turkey	1,117	312.9	1,376	204.5	948	224.6	1,103	302.2	1,409	401.4	1,286	240.4														7,239	267.8	
		Switzerland	266	47.6	486	97.2	643	200.9	483	468.9	485	310.9	638	261.5														3,001	159.5	
		East Europe	24	47.1	106	60.6	113	-	25	3.1	133	211.1	95	3166.7														496	45.7	
		Russia - Other	145	26.7	194	109.6	210	36.8	225	101.8	358	246.9	668	289.2														1,800	95.3	
		Sub Total	10,776	87.1	12,158	111.4	14,054	195.1	14,964	279.7	17,057	381.4	18,157	292.4															87,166	187.4
		North America & Central America	U.S.A.	11,846	73.4	15,057	99.0	18,799	154.1	17,881	165.5	19,168	228.9	21,350	152.7														104,101	135.7
Canada	1,242		111.8	931	72.9	1,513	234.9	1,110	385.4	1,216	440.6	1,252	370.4														7,264	184.6		
Mexico	997		109.0	1,946	225.8	1,052	31.5	877	128.4	1,648	219.4	1,860	519.6														8,380	121.3		
Sub Total	14,085		77.5	17,934	103.4	21,364	132.0	19,868	168.7	22,032	234.4	24,462	166.7															119,745	136.8	
South America	Brazil	476	126.3	409	130.7	615	292.9	521	-	383	364.8	722	357.4														3,126	280.1		
	Other	43	72.9	52	152.9	125	595.2	40	-	80	190.5	88	146.7														428	198.1		
	Sub Total	519	119.0	461	132.9	740	320.3	561	-	463	315.0	810	309.2														3,554	266.8		
Oceania	Australia	749	231.2	470	200.9	435	145.0	226	209.3	615	184.1	587	140.1														3,082	179.3		
	Other	35	1750.0	23	230.0	126	-	158	117.0	67	-	169	-														578	393.2		
Sub Total	784	240.5	493	202.0	561	187.0	384	158.0	682	204.2	756	180.4															3,660	196.1		
Middle East	245	72.9	259	140.0	155	119.2	380	38000.0	41	136.7	151	15.4															1,231	73.9		
Africa	212	504.8	-4	-	44	75.9	108	284.2	1	-	9	14.1															370	176.2		
Grand Total	62,222	121.5	75,123	166.1	87,389	202.3	87,896	251.2	90,713	274.5	87,425	199.5															490,768	195.1		
Of which NC	61,740	121.7	74,462	165.2	86,832	203.2	87,321	253.3	90,104	276.6	86,925	200.5															487,384	195.8		

(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”.