

## The Current Condition of the Japanese Machine Tool Industry

### Monthly Machine Tool Orders (April 2022)

The total value of machine tool orders in April was 155.50 billion yen. This was a decrease of 6.8% compared to March 2022 and marked the first month of month-on-month decline in two months. However, this figure represented an increase of 25.0% compared to the same month of the previous year and marked the eighteenth consecutive month of year-on-year growth. The total amount of orders has exceeded 150 billion yen for two consecutive months, which is the eighth highest order in the past for a single month. It topped 100 billion yen for 15 consecutive months.

As of April, the effects of risk factors such as parts shortages, geopolitical risks, and lockdown in China have not become apparent, but we would like to keep an eye on future trends.

Domestic orders fell by 11.7% from March, amounting to 53.18 billion yen. This marked the first month of month-on-month decline in three months. Nevertheless, this figure was an increase of 47.4% over the same month of the previous year and marked the year-on-year growth in fourteenth consecutive months. Looking at major industries, orders compared to March fell by 9.9% in industrial machinery, up by 5.1% in motor vehicles, fell by 41.6% in electrical & precision machinery, and by 57.1% in aircraft, shipbuilding & transport equipment.

Foreign orders fell by 4.0% from March to 101.82 billion yen, marked the first month of month-on-month decline in two months. Although, foreign orders showed an increase of 15.8% over the same month of the previous year, and this marked the eighteenth consecutive month of year-on-year growth. By region, orders from Asia fell by 7.6% from March to 47.94 billion yen. This was a decrease of 7.1% from the same month of the previous year. Orders from Europe rose by 5.9% over March to 20.69 billion yen. This was an increase of 38.2% over the same month of the previous year. Orders from North America fell by 5.8% from March, amounting to 30.92 billion yen. This figure was an increase of 55.6% over the same month of the previous year.



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

(Value: in Millions of Yen)

Period		Total 2021	21/20 (%)	21/10-21/12	22/01-22/03	Previous Quarter (%)	year-to-year (%)	22/01-22/04	year-to-year (%)	April '22	Apr. 22/Mar. 22 (%)	Apr. 22/Apr. 21 (%)
1. Primary Metals		17,981	159.6	3,955	5,043	127.5	129.1	6,598	132.0	1,555	92.3	142.0
2. Fabricated Metal Products		40,274	171.4	11,050	12,157	110.0	175.0	17,393	189.4	5,236	111.5	234.1
Machinery & Equipment Industries	3. Industrial Machinery	200,489	150.6	60,702	62,389	102.8	168.8	84,884	166.9	22,495	90.1	161.8
	(of which construction machinery)	11,166	159.2	3,774	3,470	91.9	230.1	5,340	252.7	1,870	130.4	309.1
	(of which dies and molds )	26,785	201.6	8,932	9,268	103.8	218.6	12,950	227.3	3,682	113.3	252.5
	4. Motor Vehicles	115,123	138.0	30,300	30,432	100.4	111.3	43,529	113.9	13,097	105.1	120.5
	(of which auto parts)	84,015	151.2	21,372	20,645	96.6	105.1	29,330	109.8	8,685	111.9	122.9
	5. Electrical Machinery	45,020	212.0	15,206	18,360	120.7	261.3	22,284	236.1	3,924	67.0	162.7
	6. Precision Machinery	24,423	186.8	7,920	9,035	114.1	247.7	10,906	214.8	1,871	46.0	130.8
	5 – 6. Electrical & Precision Machinery (Sub Total)	69,443	202.4	23,126	27,395	118.5	256.7	33,190	228.6	5,795	58.4	150.8
	7. Aircraft, Shipbuilding & Transport equipment	16,026	144.5	6,264	4,940	78.9	153.7	6,031	146.0	1,091	42.9	119.1
	(of which aircraft)	4,791	133.2	1,731	1,216	70.2	106.7	1,407	113.8	191	89.7	199.0
3 – 7. Sub total		401,081	153.1	120,392	125,156	104.0	160.1	167,634	155.6	42,478	85.2	143.8
8. Other Machinery & Equipment		26,774	219.7	7,449	5,744	77.1	117.9	7,792	119.9	2,048	100.4	125.8
9. Government, Public Agencies & Schools		7,349	247.0	3,185	484	15.2	176.0	538	117.0	54	65.1	29.2
10. Others		10,582	125.3	3,409	3,259	95.6	148.3	4,283	143.3	1,024	73.1	129.3
11. Trading Companies		6,283	151.9	2,045	1,424	69.6	146.1	2,209	139.5	785	171.0	128.9
1-11. Domestic Total		510,324	157.3	151,485	153,267	101.2	157.4	206,447	154.7	53,180	88.3	147.4
12. Foreign		1,031,095	178.6	282,365	294,912	104.4	131.2	396,730	126.9	101,818	96.0	115.8
1-12. Grand Total		1,541,419	170.9	433,850	448,179	103.3	139.1	603,177	135.2	154,998	93.2	125.0
(of which: NC machines)		1,514,935	171.2	424,546	439,808	103.6	138.7	591,839	134.7	152,031	93.3	124.5
Sales		1,283,499	124.2	336,819	391,490	116.2	127.9	498,352	124.4	106,862	60.8	113.1
(of which: NC machines)		1,261,733	124.9	331,252	385,388	116.3	128.3	490,970	125.0	105,582	61.2	114.1
Order Backlog		701,005	162.7	701,005	757,694	108.1	169.7	805,830	169.3	805,830	106.4	169.3
(of which: NC machines)		681,753	164.1	681,753	736,173	108.0	170.2	782,622	169.4	782,622	106.3	169.4

## NET NEW ORDERS BY DESTINATION

(Value in Millions of yen)

2022		Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sep.		Oct.		Nov.		Dec.		Total 2022			
			%		%		%		%		%		%		%		%		%		%		%		%		%		%
Asia	East Asia	Korea	2,641	94.2	2,078	56.3	2,730	118.0	2,813	120.2																		10,262	92.0
		Taiwan	4,815	215.9	2,137	86.8	4,005	137.0	2,912	94.3																		13,869	129.6
		China	32,598	126.8	29,942	99.1	33,370	89.3	32,133	85.0																		128,043	97.7
		Other	0	-	8	800.0	13	-	0	-																		21	5.7
		East Asia Total	40,054	130.3	34,165	93.9	40,118	94.1	37,858	86.8																		152,195	99.3
	Other Asia	Thailand	1,647	161.2	1,365	122.3	1,686	108.6	2,274	164.8																		6,972	137.5
		Malaysia	999	130.8	1,183	228.8	1,314	242.4	1,644	197.8																		5,140	193.7
		Singapore	465	96.3	315	87.3	3,690	697.5	1,134	77.2																		5,604	197.3
		Philippine	58	252.2	182	303.3	935	361.0	215	179.2																		1,390	300.9
		Indonesia	1,163	575.7	607	193.9	292	51.8	674	123.9																		2,736	168.6
Vietnam		640	104.2	998	394.5	1,034	279.5	756	115.6																		3,428	181.3	
India		2,499	142.8	3,454	71.8	2,760	68.7	3,317	109.4																		12,030	88.4	
Other	6	150.0	8	32.0	42	300.0	69	766.7																		125	240.4		
Other Asia Total	7,477	153.8	8,112	108.8	11,753	149.7	10,083	125.4																			37,425	132.7	
Sub Total	47,531	133.5	42,277	96.5	51,871	102.8	47,941	92.9																			189,620	104.5	
Europe	EU	Germany	4,459	177.4	4,784	159.2	4,298	133.4	4,222	143.9																	17,763	152.1	
		Italy	4,574	258.4	3,870	183.8	4,698	163.9	3,758	125.6																	16,900	173.6	
		France	1,738	198.9	2,111	201.8	1,959	172.8	3,520	272.0																	9,328	214.5	
		Central Europe	1,469	169.8	1,444	227.4	1,428	140.7	1,731	125.6																		6,072	156.0
		Other	3,383	160.3	3,880	213.8	3,251	141.0	3,274	129.4																		13,788	157.4
	Sub Total	15,623	192.1	16,089	186.9	15,634	148.3	16,505	148.3																			63,851	166.2
	Other West Europe	U. K.	1,749	172.8	2,241	199.6	2,728	213.3	1,879	123.9																		8,597	174.4
		Turkey	1,396	125.0	901	65.5	914	96.4	1,523	138.1																		4,734	104.2
		Switzerland	745	280.1	784	161.3	743	115.6	640	132.5																		2,912	155.1
		East Europe	81	337.5	78	73.6	81	71.7	43	172.0																		283	105.6
Russia - Other		400	275.9	180	92.8	-625	-	-16	-																			-61	-
Sub Total	20,412	189.4	20,647	169.8	19,528	138.9	20,687	138.2																			81,274	156.4	
North America & Central America	U. S. A.	26,887	227.0	22,965	152.5	30,070	160.0	27,206	152.2																		107,128	168.5	
	Canada	1,121	90.3	1,855	199.2	1,455	96.2	1,667	150.2																		6,098	127.1	
	Mexico	1,403	140.7	572	29.4	1,305	124.0	2,051	233.9																		5,331	109.4	
	Sub Total	29,411	208.8	25,392	141.6	32,830	153.7	30,924	155.6																			118,557	161.9
South & Central America	Brazil	614	129.0	569	139.1	578	94.0	749	143.8																		2,510	124.2	
	Other	85	197.7	112	215.4	119	95.2	89	222.5																		405	155.8	
	Sub Total	699	134.7	681	147.7	697	94.2	838	149.4																		2,915	127.8	
Oceania	Australia	380	50.7	594	126.4	818	188.0	1,084	479.6																		2,876	153.0	
	Other	86	245.7	259	1126.1	21	16.7	125	79.1																		491	143.6	
Sub Total	466	59.4	853	173.0	839	149.6	1,209	314.8																			3,367	151.5	
Middle East	176	71.8	269	103.9	252	162.6	127	33.4																			824	79.3	
Africa	54	25.5	20	-	7	15.9	92	85.2																			173	48.1	
Grand Total	98,749	158.7	90,139	120.0	106,024	121.3	101,818	115.8																			396,730	126.9	
Of which NC	97,408	157.8	89,315	119.9	104,242	120.1	100,547	115.1																			391,512	126.1	

(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”.