

## The Current Condition of the Japanese Machine Tool Industry

### Monthly Machine Tool Orders (February 2021)

The total value of machine tool orders in February was 105.59 billion yen. This was an increase of 19.1% compared to January 2021 and marked the first month of month-on-month growth in two months. Moreover, this figure represented an increase of 36.7% compared to the same month of the previous year and marked the fourth consecutive month of year-on-year growth.

The total amount of orders has exceeded 100 billion yen for the first time in 19 months since July 2019 (101.28 billion yen). In addition to China, which recovered ahead of time, there is an increasing trend in Europe and the United States, however we would like to keep an eye on domestic trends while considering the spread of infection.

Domestic orders rose by 15.4% over January, amounting to 30.47 billion yen. This marked the month-on-month growth for the first time in two months. Nevertheless, this figure was a decline of 4.8% from the same month of the previous year and marked the twenty-seventh consecutive months of year-on-year decline. Looking at major industries, orders compared to January rose by 11.9% in industrial machinery, by 2.1% in motor vehicles, by 12.0% in electrical & precision machinery, and by 131.1% in aircraft, shipbuilding & transport equipment.

Foreign orders rose by 20.7% over January to 75.12 billion yen, marked the first month of month-on-month growth for two months. Furthermore, foreign orders showed an increase of 66.1% over the same month of the previous year, and this marked the fourth consecutive month of year-on-year growth. By region, orders from Asia rose by 23.1% over January to 43.82 billion yen. This was an increase of 170.7% over the same month of the previous year. Orders from Europe rose by 12.8% over January to 12.16 billion yen. This was an increase of 11.4% over the same month of the previous year. Orders from North America rose by 27.3% over January, amounting to 17.93 billion yen. This figure was an increase of 3.4% over the same month of the previous year.



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

(Value: in Millions of Yen)

Period		Total 2020	20/19 (%)	20/07-20/09	20/10-20/12	Previous Quarter (%)	year-to-year (%)	21/01-21/02	year-to-year (%)	February ' 21	Feb. 21/Jan. 21 (%)	Feb. 21/Feb. 20 (%)
1. Primary Metals		11,265	74.7	1,896	2,955	155.9	96.2	2,073	74.2	1,346	185.1	106.6
2. Fabricated Metal Products		23,498	73.4	6,262	7,181	114.7	104.8	4,072	123.1	2,570	171.1	145.0
Machinery & Equipment Industries	3. Industrial Machinery	133,112	65.8	32,982	34,001	103.1	86.4	20,690	86.7	10,928	111.9	82.5
	(of which construction machinery)	7,013	60.8	2,241	1,307	58.3	59.4	816	51.9	486	147.3	49.2
	(of which dies and molds )	13,283	63.3	3,200	3,089	96.5	82.0	2,551	116.6	1,221	91.8	106.7
	4. Motor Vehicles	83,437	59.7	17,566	26,405	150.3	88.6	17,286	95.4	8,731	102.1	96.1
	(of which auto parts)	55,580	54.9	11,813	18,776	158.9	87.4	12,895	118.0	6,668	107.1	117.6
	5. Electrical Machinery	21,239	90.2	5,634	4,930	87.5	111.4	3,787	103.9	2,228	142.9	126.8
	6. Precision Machinery	13,076	67.1	3,515	2,855	81.2	80.8	1,968	79.3	813	70.4	63.9
	5 – 6. Electrical & Precision Machinery (Sub Total)	34,315	79.8	9,149	7,785	85.1	97.8	5,755	93.9	3,041	112.0	100.4
	7. Aircraft, Shipbuilding & Transport equipment	11,089	45.4	2,881	2,232	77.5	31.7	1,990	80.4	1,389	231.1	173.0
	(of which aircraft)	3,598	30.0	486	462	95.1	13.8	765	54.5	664	657.4	781.2
3 – 7. Sub total		261,953	64.0	62,578	70,423	112.5	83.7	45,721	90.4	24,089	111.4	92.1
8. Other Machinery & Equipment		12,185	77.2	2,498	3,699	148.1	120.6	3,001	149.5	1,276	74.0	105.7
9. Government, Public Agencies & Schools		2,975	118.5	1,587	792	49.9	89.3	172	52.9	81	89.0	94.2
10. Others		8,444	70.1	2,191	1,960	89.5	67.8	1,206	76.4	612	103.0	65.6
11. Trading Companies		4,135	65.4	1,135	766	67.5	65.2	630	63.8	496	370.1	86.3
1-11. Domestic Total		324,455	65.8	78,147	87,776	112.3	86.0	56,875	92.4	30,470	115.4	95.2
12. Foreign		577,380	78.4	143,720	182,172	126.8	115.9	137,345	142.4	75,123	120.7	166.1
1-12. Grand Total		901,835	73.3	221,867	269,948	121.7	104.1	194,220	122.9	105,593	119.1	136.7
(of which: NC machines)		884,770	73.3	217,206	265,545	122.3	104.3	191,215	123.2	104,033	119.3	136.6
Sales		1,033,616	68.8	249,558	258,834	103.7	77.6	158,941	88.1	85,596	116.7	92.7
(of which: NC machines)		1,010,596	68.5	244,100	253,059	103.7	77.3	156,107	88.2	84,023	116.6	92.9
Order Backlog		430,794	76.8	419,404	430,794	102.7	76.8	465,800	86.3	465,800	104.5	86.3
(of which: NC machines)		415,568	76.6	404,934	415,568	102.6	76.6	450,676	86.4	450,676	104.6	86.4

# 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																					6,496	172.4	
		Taiwan	2,230	123.8	2,462	198.1																						4,692	154.1
		China	25,705	239.3	30,212	409.4																						55,917	308.6
		Other	0	-	1	4.3																						1	4.2
		East Asia Total	30,739	211.4	36,367	349.2																						67,106	268.9
	Other Asia	Thailand	1,022	103.5	1,116	54.2																						2,138	70.2
		Malaysia	764	457.5	517	74.1																						1,281	148.1
		Singapore	483	187.9	361	214.9																						844	198.6
		Philippine	23	13.1	60	46.5																						83	27.2
		Indonesia	202	24.9	313	60.7																						515	38.8
		Vietnam	614	85.5	253	29.2																						867	54.7
		India	1,750	94.7	4,810	359.5																						6,560	206.0
		Other	4	133.3	25	2500.0																						29	725.0
	Other Asia Total	4,862	97.9	7,455	129.1																							12,317	114.7
	Sub Total	35,601	182.5	43,822	270.7																							79,423	222.5
Europe	EU	Germany	2,514	80.0	3,005	128.0																					5,519	100.5	
		Italy	1,770	105.3	2,106	275.7																						3,876	158.5
		France	874	87.1	1,046	131.6																						1,920	106.7
		Central Europe	865	67.8	635	36.8																						1,500	50.0
		Other	2,110	99.9	1,815	78.7																						3,925	88.8
	Sub Total	8,133	-	8,607	-																							16,740	-
	Other West Europe	2,474	-	3,251	-																							5,725	-
	U.K.	1,012	65.1	1,123	83.9																							2,135	73.8
	Turkey	1,117	312.9	1,376	204.5																							2,493	242.0
	Switzerland	266	47.6	486	97.2																							752	71.0
	East Europe	24	47.1	106	60.6																							130	57.5
	Russia - Other	145	26.7	194	109.6																							339	47.1
	Sub Total	10,776	87.1	12,158	111.4																							22,934	98.5
North America	U.S.A.	11,846	73.4	15,057	99.0																						26,903	85.8	
	Canada	1,242	111.8	931	72.9																						2,173	91.0	
	Mexico	997	109.0	1,946	225.8																						2,943	165.6	
	Sub Total	14,085	77.5	17,934	103.4																							32,019	90.2
S & C America	Brazil	476	126.3	409	130.7																						885	128.3	
	Other	43	72.9	52	152.9																						95	102.2	
	Sub Total	519	119.0	461	132.9																							980	125.2
Oceania	Australia	749	231.2	470	200.9																						1,219	218.5	
	Other	35	1750.0	23	230.0																						58	483.3	
	Sub Total	784	240.5	493	202.0																							1,277	224.0
Middle East	245	72.9	259	140.0																							504	96.7	
Africa	212	504.8	-4	-																							208	416.0	
Grand Total	62,222	121.5	75,123	166.1																							137,345	142.4	
Of which NC	61,740	121.7	74,462	165.2																							136,202	142.2	

(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".