2021年3月日本工作机械(金属切削工具机)订单表

金额单位:百万日元

产业别		2020	21/01~21/03	2021/2020 (%)	2021年3月	2021年03月/2021年02月 (%)	2021年03月/2020年03月 (%)
1	基本金属	11,265	3,905	97.4	1,832	136.1	150.7
2	金属制品	23,498	6,945	113.8	2,873	111.8	102.8
	机械工业(3~7)小计	261,953	78,194	100.0	32,473	134.8	117.5
3	一般机械	133,112	36,952	93.7	16,262	148.8	104.5
	其中模具工业	7,013	1,508	57.4	692	142.4	65.5
4	运输工具	83,437	27,354	106.9	10,068	115.3	134.7
5	电器机械	21,239	7,026	126.1	3,239	145.4	168.0
6	精密机械	13,076	3,648	100.0	1,680	206.6	144.2
7	造船、航空	11,089	3,214	80.7	1,224	88.1	81.1
8	其他机械设备	12,185	4,871	154.8	1,870	146.6	164.2
9	政府,公共部门,学校	2,975	275	69.4	103	127.2	145.1
10	其他	8,444	2,197	86.4	991	161.9	102.7
11	贸易部门	4,135	975	68.9	345	69.6	80.6
国内合计(1-11)		324,455	97,362	101.6	40,487	132.9	118.2
12	外销订单	577,380	224,734	161.0	87,389	116.3	202.3
总合计(1-12)		901,835	322,096	136.8	127,876	121.1	165.1
	其中NC机种	884,770	317,186	137.3	125,971	121.1	166.4
销售金额		1,033,616	306,035	99.7	147,094	171.8	116.1
	其中NC机种	1,010,596	300,273	99.9	144,166	171.6	116.6
未交货订单		430,794	446,582	91.0	446,582	95.9	91.0
	其中NC机种	415,568	432,481	91.3	432,481	96.0	91.3

資料來源:JMTBA

製表:TMTF/工具機發展基金會

JMTBA NOTES

No. FY 21-1
April 27, 2021

NEWS RELEASE

The Current Condition of the Japanese Machine Tool Industry

Monthly Machine Tool Orders (March 2021)

The total value of machine tool orders in March was 127.88 billion yen. This was an increase of 21.1% compared to February 2021 and marked the second consecutive month of month-on-month growth. Moreover, this figure represented an increase of 65.1% 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 120 billion yen for the first time in 24 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 32.9% over February, amounting to 40.49 billion yen. This marked the second consecutive month of month-on-month growth. Furthermore, this figure was an increase of 18.2% over the same month of the previous year and marked the first month of year-on-year recovery in twenty-eight months. Looking at major industries, orders compared to February rose by 48.8% in industrial machinery, by 15.3% in motor vehicles, by 61.8% in electrical & precision machinery, and fell by 11.9% in aircraft, shipbuilding & transport equipment.

Foreign orders rose by 16.3% over February to 87.39 billion yen, marked the second consecutive month of month-on-month growth. Likewise, foreign orders showed an increase of 102.3% over the same month of the previous year, and this marked the fifth consecutive month of year-on-year growth. By region, orders from Asia rose by 15.2% over February to 50.47 billion yen. This was an increase of 164.3% over the same month of the previous year. Orders from Europe rose by 15.6% over February to 14.05 billion yen. This was an increase of 95.1% over the same month of the previous year. Orders from North America rose by 19.1% over February, amounting to 21.36 billion yen. This figure was an increase of 32.0% over the same month of the previous year.

JAPAN MACHINE TOOL BUILDERS' ASSOCIATION
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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		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	45,670	245,088	736,132	68.6	49,451	761,593	8,145	28,075	529,560	72.0	55,530	64.6	27,251	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	55,863	341,154	987,749	81.6	60,147	1,018,933	8,332	29,106	673,830	80.1	78,535	82.9	27,473	104.5
	2020	988,483	89.9	325,988	73.0	662,495	101.5	1,032,575	446,582														103.9
2018	4-6	471,600	116.0	194,388	124.4	277,212	110.7	390,124	808,962	20,437	108,721	294,341	111.0	21,449	298,271	9,559	34,290	219,335	116.2	19,814	123.3	27,400	101.5
	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	12,059	71,773	227,482	72.9	13,559	234,416	8,332	29,106	144,577	70.2	16,772	69.2	27,428	105.9
	4-6	174,572	55.2	62,703	50.6	111,869	58.2	218,148	447,095	9,529	53,096	158,926	60.2	10,232	163,004	8,290	29,800	122,887	65.6	13,233	62.5	27,336	104.8
	7-9	221,867	76.8	78,147	62.6	143,720	87.7	249,558	419,404	11,096	58,820	172,965	65.7	11,808	181,172	8,302	28,294	128,859	72.3	11,687	56.7	27,229	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	306,035	446,582														102.6
2019	10	87,453	62.6	33,423	58.0	54,030	65.9	95,698	620,422	4,452	26,248	73,626	79.0	4,162	69,336	9,814	35,380	52,211	83.2	6,608	60.7	27,446	105.9
	11	81,669	62.1	31,369	54.5	50,300	67.9	105,787	596,304	4,235	27,454	75,730	72.5	4,572	79,537	9,750	35,474	54,465	83.8	6,733	71.3	27,464	105.8
	12	90,114	66.5	37,307	65.3	52,807	67.4	131,954	561,265	4,568	28,623	83,976	83.7	5,092	91,847	9,490	33,806	57,014	82.7	6,652	80.0	27,250	104.7
2020	1	80,777	64.4	29,586	63.3	51,191	65.1	88,094	553,948	3,764	22,863	72,005	80.5	3,986	65,698	9,613	35,216	37,603	73.3	7,398	81.4	27,434	106.5
	2	77,224	70.4	31,997	76.8	45,227	66.4	92,301	539,905	4,014	23,030	74,832	77.4	4,214	72,678	9,638	34,727	50,162	72.4	4,377	57.4	27,415	106.3
	3	77,447	59.3	34,246	63.5	43,201	56.3	126,681	490,671	4,281	25,880	80,645	64.0	5,359	96,040	8,332	29,106	56,812	66.6	4,997	66.4	27,435	104.9
	4	56,143	51.7	21,149	48.6	34,994	53.7	67,769	479,045	3,128	17,883	52,907	62.2	3,304	54,201	8,378	29,703	41,859	65.3	5,057	77.8	27,351	104.5
	5	51,239	47.2	18,192	42.6	33,047	50.2	66,801	463,483	3,029	16,663	48,652	55.4	3,125	48,601	8,495	30,436	37,289	60.3	4,380	51.9	27,337	105.0
	6	67,190	67.9	23,362	62.0	43,828	71.6	83,578	447,095	3,372	18,550	57,367	63.0	3,803	60,202	8,290	29,800	43,739	71.4	3,797	60.9	27,321	105.0
	7	69,788	68.9	24,808	60.3	44,980	74.8	75,749	441,134	3,319	18,330	54,125	64.3	3,599	55,410	8,235	29,898	41,140	67.1	3,490	50.1	27,258	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	42,135	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	4,480	70.7	27,179	103.4
	10	82,211	94.0	28,892	86.4	53,319	98.7	74,529	427,086	3,853	18,083	52,682	71.6	4,150	52,296	8,202	28,786	42,075	80.6	3,566	54.0	27,123	103.6
	11	88,680	108.6	27,042	86.2	61,638	122.5	81,818	433,948	4,221	20,756	59,515	78.6	4,615	61,446	8,066	28,983	42,060	77.2	5,813	86.3	26,988	105.0
	12	99,057	109.9	31,842	85.4	67,215	127.3	102,487	430,794	4,912	22,560	64,562	76.9	5,087	69,259	8,145	28,075	49,102	86.1	4,459	67.0	26,926	103.5
2021	1	88,627	109.7	26,405	89.2	62,222	121.5	73,345	445,803	4,110	19,493	55,617	77.2	4,212	53,546	8,294	29,426	41,135	109.4	5,483	74.1	26,868	102.4
	2	105,593	136.7	30,470	95.2	75,123	166.1	85,596	465,800	5,236	23,743	68,514	91.6	4,995	65,032	8,828	31,793	47,762	95.2	3,733	85.3	26,793	102.8
	3	127,876	165.1	40,487	118.2	87,389	202.3	147,094	446,582														102.7
	1-3	322,096	136.8	97,362	101.6	224,734	161.0	306,035	446,582	9,346	43,236	124,131	84.5	9,207	118,578	8,828	31,793	88,897	101.3	9,216	78.3	26,831	102.6
Sources:		Japan Machine Tool Builders' Association (JMTBA)								Ministry of Economy, Trade and Industry (METI)								Ministry of Finance (MOF)				METI	Bank of Japan

Notes: 1) C.Y=Calendar year (Jan. to Dec.); 2) %=Comparison percentage to the year earlier; 3) Order Backlog=Backlog at the end of each period;

4) PRICE INDEX: 2000～2004=Comparison to 2000, 2005～2009 =Comparison to 2005, 2010～2014=Comparison to 2010, 2015～=Comparison to 2015) % previous year

NET NEW ORDERS - METAL CUTTING MACHINE TOOLS IN JAPAN

(Value: in Millions of Yen)

Industry \ Period	Total 2020	20/19 (%)	20/10-20/12	21/01-21/03	Previous Quarter (%)	year-to-year (%)	21/01-21/03	year-to-year (%)	March '21	Mar. 21/Feb. 21 (%)	Mar. 21/Mar. 20 (%)
1. Primary Metals	11,265	74.7	2,955	3,905	132.1	97.4	3,905	97.4	1,832	136.1	150.7
2. Fabricated Metal Products	23,498	73.4	7,181	6,945	96.7	113.8	6,945	113.8	2,873	111.8	102.8
Machinery & Equipment Industries: 3. Industrial Machinery	133,112	65.8	34,001	36,952	108.7	93.7	36,952	93.7	16,262	148.8	104.5
(of which construction machinery)	7,013	60.8	1,307	1,508	115.4	57.4	1,508	57.4	692	142.4	65.5
(of which dies and molds)	13,283	63.3	3,089	4,240	137.3	115.8	4,240	115.8	1,689	138.3	114.4
4. Motor Vehicles	83,437	59.7	26,405	27,354	103.6	106.9	27,354	106.9	10,068	115.3	134.7
(of which auto parts)	55,580	54.9	18,776	19,639	104.6	128.7	19,639	128.7	6,744	101.1	155.7
5. Electrical Machinery	21,239	90.2	4,930	7,026	142.5	126.1	7,026	126.1	3,239	145.4	168.0
6. Precision Machinery	13,076	67.1	2,855	3,648	127.8	100.0	3,648	100.0	1,680	206.6	144.2
5－6. Electrical & Precision Machinery (Sub Total)	34,315	79.8	7,785	10,674	137.1	115.8	10,674	115.8	4,919	161.8	159.0
7. Aircraft, Shipbuilding & Transport equipment	11,089	45.4	2,232	3,214	144.0	80.7	3,214	80.7	1,224	88.1	81.1
(of which aircraft)	3,598	30.0	462	1,140	246.8	49.5	1,140	49.5	375	56.5	41.7
3－7. Sub total	261,953	64.0	70,423	78,194	111.0	100.0	78,194	100.0	32,473	134.8	117.5
8. Other Machinery & Equipment	12,185	77.2	3,699	4,871	131.7	154.8	4,871	154.8	1,870	146.6	164.2
9. Government, Public Agencies & Schools	2,975	118.5	792	275	34.7	69.4	275	69.4	103	127.2	145.1
10. Others	8,444	70.1	1,960	2,197	112.1	86.4	2,197	86.4	991	161.9	102.7
11. Trading Companies	4,135	65.4	766	975	127.3	68.9	975	68.9	345	69.6	80.6
1-11. Domestic Total	324,455	65.8	87,776	97,362	110.9	101.6	97,362	101.6	40,487	132.9	118.2
12. Foreign	577,380	78.4	182,172	224,734	123.4	161.0	224,734	161.0	87,389	116.3	202.3
1-12. Grand Total	901,835	73.3	269,948	322,096	119.3	136.8	322,096	136.8	127,876	121.1	165.1
(of which: NC machines)	884,770	73.3	265,545	317,186	119.4	137.3	317,186	137.3	125,971	121.1	166.4

Sales	1,033,616	68.8	258,834	306,035	118.2	99.7	306,035	99.7	147,094	171.8	116.1
(of which: NC machines)	1,010,596	68.5	253,059	300,273	118.7	99.9	300,273	99.9	144,166	171.6	116.6
Order Backlog	430,794	76.8	430,794	446,582	103.7	91.0	446,582	91.0	446,582	95.9	91.0
(of which: NC machines)	415,568	76.6	415,568	432,481	104.1	91.3	432,481	91.3	432,481	96.0	91.3

Japan Machine Tool Builders' Association

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																		8,810	169.5
		Taiwan	2,230	123.8	2,462	198.1	2,923	206.3																		7,615	170.7
		China	25,705	239.3	30,212	409.4	37,384	330.9																		93,301	317.1
		Other	0	-	1	4.3	0	-																		1	2.9
		East Asia Total	30,739	211.4	36,367	349.2	42,621	301.0																		109,727	280.5
	Other Asia	Thailand	1,022	103.5	1,116	54.2	1,552	105.2																		3,690	81.6
		Malaysia	764	457.5	517	74.1	542	43.7																		1,823	86.6
		Sigapore	483	187.9	361	214.9	529	111.4																		1,373	152.6
		Philippine	23	13.1	60	46.5	259	99.2																		342	60.4
		Indonesia	202	24.9	313	60.7	564	153.3																		1,079	63.6
		Vietnam	614	85.5	253	29.2	370	144.0																		1,237	67.2
		India	1,750	94.7	4,810	359.5	4,020	467.4																		10,580	261.6
		Other	4	133.3	25	2500.0	14	466.7																		43	614.3
		Other Asia Total	4,862	97.9	7,455	129.1	7,850	158.9																		20,167	128.6
	Sub Total		35,601	182.5	43,822	270.7	50,471	264.3																		129,894	237.1
Europe	EU	Germany	2,514	80.0	3,005	128.0	3,223	238.9																		8,742	127.8
		Italy	1,770	105.3	2,106	275.7	2,866	550.1																		6,742	227.3
		France	874	87.1	1,046	131.6	1,134	266.8																		3,054	137.3
		Central Europe	865	67.8	635	36.8	1,015	129.0																		2,515	66.4
		Other	2,110	99.9	1,815	78.7	2,305	122.2																		6,230	98.8
		Sub Toal	8,133	-	8,607	-	10,543	-																		27,283	-
	Other West Europe		2,474	-	3,251	-	3,188	-																		8,913	-
		U.K.	1,012	65.1	1,123	83.9	1,279	160.7																		3,414	92.5
		Turkey	1,117	312.9	1,376	204.5	948	224.6																		3,441	237.0
		Switzerland	266	47.6	486	97.2	643	200.9																		1,395	101.2
	East Europe		24	47.1	106	60.6	113	-																		243	109.5
	Russia・Other		145	26.7	194	109.6	210	36.8																		549	42.5
	Sub Total		10,776	87.1	12,158	111.4	14,054	195.1																		36,988	121.3
North America	U.S.A.		11,846	73.4	15,057	99.0	18,799	154.1																		45,702	105.0
	Canada		1,242	111.8	931	72.9	1,513	234.9																		3,686	121.6
	Mexico		997	109.0	1,946	225.8	1,052	31.5																		3,995	78.1
	Sub Total		14,085	77.5	17,934	103.4	21,364	132.0																		53,383	103.3
Central & South America	Brazil		476	126.3	409	130.7	615	292.9																		1,500	166.7
	Other		43	72.9	52	152.9	125	595.2																		220	193.0
	Sub Total		519	119.0	461	132.9	740	320.3																		1,720	169.6
Oceania	Australia		749	231.2	470	200.9	435	145.0																		1,654	192.8
	Other		35	1750.0	23	230.0	126	-																		184	1533.3
	Sub Total		784	240.5	493	202.0	561	187.0																		1,838	211.3
Middle East			245	72.9	259	140.0	155	119.2																		659	101.2
Africa			212	504.8	-4	-	44	75.9																		252	233.3
Grand Total			62,222	121.5	75,123	166.1	87,389	202.3																		224,734	161.0
	Of which NC		61,740	121.7	74,462	165.2	86,832	203.2																		223,034	161.0

(Note) It will be descrived 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".

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