

## The Current Condition of the Japanese Machine Tool Industry

### Monthly Machine Tool Orders (December 2022)

The total value of machine tool orders in December was 140.54 billion yen. This was an increase of 4.7% compared to November 2022 and marked the first month-on-month growth in three months. Moreover, this figure represented an increase of 0.9% compared to the same month of the previous year and marked the first month of year-on-year growth in three months. The total amount of orders topped 140 billion yen for the first time in two months and exceeded 100 billion yen for twenty-three consecutive months.

Orders in December continued to be at a high level, mainly from overseas demand. We will continue to pay close attention to financial trends and the outlook for the global economy.

Domestic orders fell by 7.5% from November, amounting to 42.26 billion yen. This marked the first month of month-on-month decline in two months. Furthermore, this figure was a decrease of 17.4% from the same month of the previous year and marked the fourth consecutive month of year-on-year decline. Looking at major industries, orders compared to November fell by 16.9% in industrial machinery, rose by 25.8% in motor vehicles, by 8.6% in electrical & precision machinery, and fell by 34.8% in aircraft, shipbuilding & transport equipment.

Foreign orders rose by 11.0% over November to 98.28 billion yen, marked the first month of month-on-month growth in three months. In addition, foreign orders showed an increase of 11.6% over the same month of the previous year, and this marked the first month of year-on-year growth. By region, orders from Asia rose by 13.0% over November to 47.13 billion yen. This was an increase of 14.4% over the same month of the previous year. Orders from Europe fell by 9.0% from November to 19.29 billion yen. This was an increase of 10.3% over the same month of the previous year. Orders from North America rose by 22.7% over November, amounting to 29.85 billion yen. This figure was an increase of 7.9% over the same month of the previous year.

Machine Tool Orders for 2022 totaled 1,759.60 billion yen, which was an increase of 14.2% over the previous year. As a result, calendar year 2022 posted the year-on-year growth for two consecutive years and topped 1.7 trillion yen for the first time in four years. Total domestic orders rose by 18.2% over the previous year to 603.32 billion yen, and total foreign orders rose by 12.1% over the previous year to 1,156.37 billion yen

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

(Value: in Millions of Yen)

Period		Total 2021	21/20 (%)	22/07-22/09	22/10-22/12	Previous Quarter (%)	year-to-year (%)	22/01-22/12	year-to-year (%)	Dec. '22	Dec. 22/Nov. 22 (%)	Dec. 22/Dec. 21 (%)
1. Primary Metals		17,981	159.6	4,327	5,172	119.5	130.8	19,675	109.4	1,990	103.3	145.8
2. Fabricated Metal Products		40,274	171.4	13,337	11,474	86.0	103.8	50,565	125.6	2,699	53.3	71.1
Machinery & Equipment Industries	3. Industrial Machinery	200,489	150.6	61,626	52,327	84.9	86.2	243,465	121.4	15,792	83.1	76.5
	(of which construction machinery)	11,166	159.2	2,749	2,919	106.2	77.3	13,655	122.3	1,111	113.5	86.3
	(of which dies and molds )	26,785	201.6	9,286	6,309	67.9	70.6	34,462	128.7	1,683	70.8	52.3
	4. Motor Vehicles	115,123	138.0	38,949	28,683	73.6	94.7	134,719	117.0	10,134	125.8	91.3
	(of which auto parts)	84,015	151.2	26,651	20,616	77.4	96.5	92,957	110.6	6,932	124.5	96.7
	5. Electrical Machinery	45,020	212.0	13,490	11,532	85.5	75.8	56,982	126.6	4,119	97.7	91.7
	6. Precision Machinery	24,423	186.8	7,048	6,241	88.5	78.8	29,525	120.9	2,225	136.8	76.6
	5 – 6. Electrical & Precision Machinery (Sub Total)	69,443	202.4	20,538	17,773	86.5	76.9	86,507	124.6	6,344	108.6	85.8
	7. Aircraft, Shipbuilding & Transport equipment	16,026	144.5	3,742	5,672	151.6	90.5	18,856	117.7	1,470	65.2	76.0
	(of which aircraft)	4,791	133.2	1,434	1,962	136.8	113.3	5,792	120.9	474	52.6	90.1
3 – 7. Sub total		401,081	153.1	124,855	104,455	83.7	86.8	483,547	120.6	33,740	96.0	82.2
8. Other Machinery & Equipment		26,774	219.7	6,885	5,558	80.7	74.6	26,245	98.0	1,679	94.8	68.1
9. Government, Public Agencies & Schools		7,349	247.0	878	573	65.3	18.0	2,205	30.0	201	146.7	31.1
10. Others		10,582	125.3	3,900	3,603	92.4	105.7	14,094	133.2	1,250	97.0	109.6
11. Trading Companies		6,283	151.9	1,982	1,652	83.4	80.8	6,900	109.8	703	217.0	97.5
1-11. Domestic Total		510,324	157.3	156,164	132,487	84.8	87.5	603,231	118.2	42,262	92.5	82.6
12. Foreign		1,031,095	178.6	276,423	283,305	102.5	100.3	1,156,370	112.1	98,282	111.0	111.6
1-12. Grand Total		1,541,419	170.9	432,587	415,792	96.1	95.8	1,759,601	114.2	140,544	104.7	100.9
(of which: NC machines)		1,514,935	171.2	424,103	408,638	96.4	96.3	1,727,473	114.0	138,281	104.9	101.6
Sales		1,283,499	124.2	402,230	411,901	102.4	122.3	1,568,350	122.2	154,018	103.7	119.5
(of which: NC machines)		1,261,733	124.9	395,524	406,116	102.7	122.6	1,544,745	122.4	151,812	103.5	119.8
Order Backlog		701,005	162.7	888,365	896,813	101.0	127.9	896,813	127.9	896,813	99.0	127.9
(of which: NC machines)		681,753	164.1	861,959	869,611	100.9	127.6	869,611	127.6	869,611	99.0	127.6

