

## The Current Condition of the Japanese Machine Tool Industry

### Monthly Machine Tool Orders (January 2024)

The total value of machine tool orders in January was 110.96 billion yen. This was a decrease of 12.7% compared to December 2023 and marked the first month of month-on-month decrease in three months. Moreover, this figure represented a decrease of 14.0% compared to the same month of the previous year and marked the thirteenth consecutive month of year-on-year decline.

Total orders fell below 120 billion yen for the first time in two months but exceeded 100 billion yen for 36th consecutive months.

Although orders in January decreased due to seasonal factors, overall, there was a gradual deceleration trend. We will keep a close eye on trends, including the timing of a pick-up in the future.

Domestic orders fell by 20.0% from December, amounting to 30.60 billion yen. This marked the first month of month-on-month decline in two months. Furthermore, this figure was a decrease of 29.5% from the same month of the previous year and marked the seventeenth consecutive month of year-on-year decline. Looking at major industries, orders compared to December fell by 13.3% in industrial machinery, by 29.5% in motor vehicles, by 19.1% in electrical & precision machinery, and by 49.1% in aircraft, shipbuilding & transport equipment.

Foreign orders fell by 9.5% from December to 80.36 billion yen, marked the first month of month-on-month decline in three months. Additionally, foreign orders showed a decrease of 6.2% from the same month of the previous year, and this marked the thirteenth consecutive month of year-on-year decline. By region, orders from Asia fell by 5.3% from December to 36.82 billion yen. This was a decrease of 0.7% from the same month of the previous year. Orders from Europe fell by 14.3% from December to 16.74 billion yen. This was a decrease of 19.7% from the same month of the previous year. Orders from North America fell by 12.7% from December, amounting to 24.33 billion yen. This figure was a decrease of 4.5% from 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.	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	9,274	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	100.0
	2021	1,541,419	170.9	510,324	157.3	1,031,095	178.6	1,283,499	701,005	67,601	313,143	895,409	123.7	68,971	923,460	7,465	30,612	712,613	134.6	60,794	109.5	26,689	100.1
	2022	1,759,601	114.2	603,231	118.2	1,156,370	112.1	1,568,350	896,813	70,004	375,672	1,078,833	120.5	72,456	1,143,899	7,421	33,180	857,072	120.3	84,031	138.2	26,671	104.4
	2023	1,486,519	84.5	476,821	79.0	1,009,698	87.3	1,616,581	785,775	58,875	362,775	1,052,844	97.6	61,297	1,126,521	7,129	38,609	830,451	96.9	85,492	101.7	27,042	112.3
F.Y.	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	50,683	248,838	728,004	74.6	53,627	757,915	6,581	25,927	546,956	81.2	52,435	66.8	27,108	99.2
	2021	1,667,502	168.7	566,229	173.7	1,101,273	166.2	1,368,954	757,694	69,950	333,552	953,784	131.0	70,992	985,574	7,704	30,669	747,726	136.7	66,234	126.3	26,570	100.6
	2022	1,705,623	102.3	581,667	102.7	1,123,956	102.1	1,618,780	849,094	67,801	377,132	1,090,289	114.3	70,956	1,166,527	7,112	33,106	875,541	117.1	85,183	128.6	26,800	106.3
2021	1-3	322,096	136.8	97,362	101.6	224,734	161.0	306,035	446,582	17,076	75,530	219,311	101.9	17,739	230,995	6,581	25,927	161,974	112.0	13,678	81.5	26,851	98.4
	4-6	379,991	217.7	113,957	181.7	266,034	237.8	308,866	517,707	19,484	79,254	223,784	141.1	19,762	223,780	6,777	28,689	176,392	143.5	13,704	103.6	26,731	99.7
	7-9	405,482	182.8	147,520	188.8	257,962	179.5	331,779	591,410	15,410	77,314	223,592	129.0	16,170	235,467	6,586	27,809	186,350	144.6	14,342	122.7	26,656	100.6
	10-12	433,850	160.7	151,485	172.6	282,365	155.0	336,819	701,005	15,631	81,045	228,722	129.4	15,300	233,218	7,465	30,612	187,897	141.0	19,070	137.8	26,518	101.6
2022	1-3	448,179	139.1	153,267	157.4	294,912	131.2	391,490	757,694	19,425	95,939	277,686	126.6	19,760	293,109	7,704	30,669	197,087	121.7	19,118	139.8	26,375	100.7
	4-6	463,043	121.9	161,313	141.6	301,730	113.4	362,729	858,008	17,481	87,843	246,409	110.1	18,470	256,607	7,230	32,142	198,031	112.3	20,674	150.9	26,572	103.9
	7-9	432,587	106.7	156,164	105.9	276,423	107.2	402,230	888,365	17,014	97,737	281,353	125.8	17,417	298,698	7,451	33,353	222,335	119.3	21,387	149.1	26,719	106.5
	10-12	415,792	95.8	132,487	87.5	283,305	100.3	411,901	896,813	16,084	94,153	273,385	119.5	16,809	295,485	7,421	33,180	239,619	127.5	22,852	119.8	27,017	106.7
2023	1-3	394,201	88.0	131,703	85.9	262,498	89.0	441,920	849,094	17,222	97,399	289,142	104.1	18,260	315,737	7,112	33,106	215,555	109.4	20,269	106.0	26,892	108.2
	4-6	374,236	80.8	120,380	74.6	253,856	84.1	380,609	842,594	15,287	91,766	260,521	105.7	15,031	263,094	7,970	39,754	196,936	99.4	23,424	113.3	27,243	111.8
	7-9	363,042	83.9	120,147	76.9	242,895	87.9	388,329	816,786	13,759	89,350	257,222	91.4	14,652	283,242	7,566	38,032	212,355	95.5	21,457	100.3	27,247	114.2
	10-12	355,040	85.4	104,591	78.9	250,449	88.4	405,723	785,775	12,607	84,260	245,959	90.0	13,354	264,448	7,129	38,609	205,605	85.8	20,341	89.0	26,784	114.8
2022	8	139,327	110.7	51,775	116.2	87,552	107.7	125,881	900,633	5,738	31,483	91,930	136.2	5,187	91,916	8,022	35,135	64,983	116.1	6,576	134.5	26,569	106.9
	9	150,848	104.3	52,419	91.1	98,429	113.1	163,116	888,365	5,860	35,322	104,720	126.8	6,642	115,752	7,451	33,353	86,973	130.6	6,332	136.7	26,944	106.2
	10	141,062	94.5	44,560	88.6	96,502	97.5	109,338	920,089	5,268	30,621	87,233	129.8	5,239	88,331	7,690	35,716	71,605	110.6	8,963	194.2	27,003	105.5
	11	134,186	92.3	45,665	91.3	88,521	92.8	148,545	905,730	5,318	32,065	93,834	123.0	5,598	97,596	7,626	36,369	84,828	145.3	6,362	98.0	27,031	108.4
	12	140,544	100.9	42,262	82.6	98,282	111.6	154,018	896,813	5,498	31,467	92,318	108.3	5,972	109,558	7,421	33,180	83,186	128.5	7,527	94.5	27,018	106.3
2023	1	129,087	90.3	43,402	98.3	85,685	86.8	112,262	913,638	4,931	27,984	83,624	107.1	4,670	83,043	7,878	35,666	52,843	121.0	8,568	114.7	26,888	105.1
	2	124,095	89.3	38,932	79.7	85,163	94.5	136,450	901,283	5,979	31,078	92,982	105.2	5,702	97,345	8,413	37,459	73,669	108.1	5,888	103.4	26,885	109.4
	3	141,019	84.8	49,369	82.0	91,650	86.4	193,208	849,0														

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

(Value: in Millions of Yen)

Industry \ Period	Total 2023	23/22 (%)	23/07-23/09	23/10-23/12	Previous Quarter (%)	year-to-year (%)	24/01-24/01	year-to-year (%)	Jan. '24	Jan. 24/Dec. 23 (%)	Jan. 24/Jan. 23 (%)	
1. Primary Metals	16,345	83.1	4,587	2,776	60.5	53.7	821	33.7	821	95.9	33.7	
2. Fabricated Metal Products	36,813	72.8	9,920	7,010	70.7	61.1	2,408	91.9	2,408	102.0	91.9	
Machinery & Equipment Industries	3. Industrial Machinery	203,557	83.6	49,489	41,036	82.9	78.4	12,280	67.9	12,280	86.7	67.9
	(of which construction machinery)	12,442	91.1	2,820	2,523	89.5	86.4	1,242	115.3	1,242	190.8	115.3
	(of which dies and molds )	28,189	81.8	6,023	5,116	84.9	81.1	2,006	81.7	2,006	95.9	81.7
	4. Motor Vehicles	100,588	74.7	26,680	26,103	97.8	91.0	7,014	88.8	7,014	70.5	88.8
	(of which auto parts)	73,519	79.1	19,750	19,047	96.4	92.4	5,300	86.1	5,300	68.2	86.1
	5. Electrical Machinery	36,272	63.7	10,110	5,618	55.6	48.7	2,392	45.0	2,392	163.9	45.0
	6. Precision Machinery	21,430	72.6	4,315	5,793	134.3	92.8	1,678	65.9	1,678	47.0	65.9
	5-6. Electrical & Precision Machinery (Sub Total)	57,702	66.7	14,425	11,411	79.1	64.2	4,070	51.8	4,070	80.9	51.8
	7. Aircraft, Shipbuilding & Transport equipment	20,172	107.0	4,068	6,030	148.2	106.3	1,357	75.5	1,357	50.9	75.5
	(of which aircraft)	8,509	146.9	1,535	2,631	171.4	134.1	657	84.9	657	37.6	84.9
3-7. Sub total	382,019	79.0	94,662	84,580	89.3	81.0	24,721	69.3	24,721	77.7	69.3	
8. Other Machinery & Equipment	22,867	87.1	5,941	5,607	94.4	100.9	1,262	77.8	1,262	69.9	77.8	
9. Government, Public Agencies & Schools	1,977	89.7	801	536	66.9	93.5	157	151.0	157	129.8	151.0	
10. Others	12,165	86.3	2,722	2,751	101.1	76.4	859	103.5	859	105.7	103.5	
11. Trading Companies	4,635	67.2	1,514	1,331	87.9	80.6	375	264.1	375	78.5	264.1	
1-11. Domestic Total	476,821	79.0	120,147	104,591	87.1	78.9	30,603	70.5	30,603	80.0	70.5	
12. Foreign	1,009,698	87.3	242,895	250,449	103.1	88.4	80,357	93.8	80,357	90.5	93.8	
1-12. Grand Total	1,486,519	84.5	363,042	355,040	97.8	85.4	110,960	86.0	110,960	87.3	86.0	
(of which: NC machines)	1,463,024	84.7	355,639	349,641	98.3	85.6	109,042	85.7	109,042	87.0	85.7	
Sales	1,616,581	103.1	388,329	405,723	104.5	98.5	107,998	96.2	107,998	68.3	96.2	
(of which: NC machines)	1,591,253	103.0	381,608	399,214	104.6	98.3	106,320	95.9	106,320	68.6	95.9	
Order Backlog	785,775	87.6	816,786	785,775	96.2	87.6	788,737	86.3	788,737	100.4	86.3	
(of which: NC machines)	760,531	87.5	790,245	760,531	96.2	87.5	763,253	86.2	763,253	100.4	86.2	

# NET NEW ORDERS BY DESTINATION

(Value in Millions of yen)

2024		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total		
															2024	%
			%		%		%		%		%		%			
Asia	East Asia	Korea	2,470	123.7											2,470	123.7
		Taiwan	1,671	81.6											1,671	81.6
		China	22,686	94.5											22,686	94.5
		Other	0	-											0	-
		East Asia Total	26,827	95.6											26,827	95.6
	Other Asia	Thailand	2,247	170.6											2,247	170.6
		Malaysia	987	66.3											987	66.3
		Sigapore	909	236.1											909	236.1
		Philippine	83	58.0											83	58.0
		Indonesia	512	83.7											512	83.7
Vietnam		1,014	80.7											1,014	80.7	
India		4,234	110.7											4,234	110.7	
Other	2	66.7											2	66.7		
Other Asia Total	9,988	110.6												9,988	110.6	
Sub Total	36,815	99.3												36,815	99.3	
Europe	EU	Germany	3,667	79.4											3,667	79.4
		Italy	2,480	66.4											2,480	66.4
		France	1,338	77.3											1,338	77.3
		Central Europe	1,312	151.3											1,312	151.3
		Other	4,070	115.6											4,070	115.6
	Sub Total	12,867	88.9												12,867	88.9
	Other West Europe	U.K.	1,291	75.6											1,291	75.6
		Turkey	1,697	56.0											1,697	56.0
		Switzerland	812	53.6											812	53.6
		East Europe	70	83.3											70	83.3
Russia - Other		4	-											4	-	
Sub Total	16,741	80.3												16,741	80.3	
North America	U.S.A.	21,052	92.6											21,052	92.6	
	Canada	1,748	141.1											1,748	141.1	
	Mexico	1,525	102.1											1,525	102.1	
	Sub Total	24,325	95.5												24,325	95.5
South & Central America	Brazil	455	52.5											455	52.5	
	Other	213	560.5											213	560.5	
	Sub Total	668	73.9											668	73.9	
Oceania	Australia	611	79.5											611	79.5	
	Other	138	136.6											138	136.6	
Sub Total	749	86.1												749	86.1	
Middle East	1,004	230.8												1,004	230.8	
Africa	55	68.8												55	68.8	
Grand Total	80,357	93.8												80,357	93.8	
Of which NC	79,444	93.4												79,444	93.4	

(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".