

The Current Condition of the Japanese Machine Tool Industry

Monthly Machine Tool Orders (January 2015)

The total value of machine tool orders in January was 121.10 billion yen. This was a decrease of 16.0% compared to December and marked first month of decline in three months. However, this figure represented an increase of 20.4% compared to the same month of the previous year, with January posting the sixteenth consecutive month of year-on-year growth.

The total amount of orders marked the record high amount in January and remained strong. This has passed 100 billion yen for sixteenth consecutive months.

Both domestic and foreign demands are expected to be driven by a recovery trend in the future. However, we will keep a close watch on the trend of domestic orders and spot orders of electrical and precision machinery from Asia.

Domestic orders fell by 20.1% from December, amounting to 38.48 billion yen. This marked the two consecutive months of decrease. However, this figure was an increase of 12.2% over the same month of the previous year and marked the nineteenth consecutive month of year-on-year growth.

Looking at major industries, orders compared to December fell by 9.2% in industrial machinery, by 32.6% in motor vehicles, by 32.1% in electrical and precision machinery, and rose by 13.6% in aircraft, shipbuilding and transport equipment.

Foreign orders fell by 14.0% from December to 82.63 billion yen. This marked the first month of decline in eight months. But at the same time, foreign orders showed an increase of 24.7% over the same month of the previous year, with January posting the fifteenth consecutive month of year-on-year growth.

By region, orders from Asia fell by 3.0% from December to 47.79 billion yen. This was an increase of 70.3% over the same month of the previous year. Orders from Europe fell by 22.9% from December to 13.53 billion yen. This was also a decrease of 2.3% over the same month of the previous year. Orders from North America fell by 26.1% from December, amounting to 20.56 billion yen. This figure was also a decrease of 9.2% 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. 1990	1,412,123	111.2	1,038,791	111.5	373,332	110.5	1,323,494	612,728	196,131	459,814	1,303,442	114.4	196,966	1,336,812	9,723	25,170	455,809	106.4	68,645	135.9	36,849	100.0
1991	1,141,209	80.8	848,219	81.7	292,990	78.5	1,257,208	489,427	172,034	428,691	1,265,587	97.1	169,496	1,288,204	15,122	31,239	411,948	90.4	58,496	85.2	37,965	101.8
1992	710,221	62.2	474,561	55.9	235,660	80.4	826,975	354,933	116,649	283,840	831,087	65.7	118,591	850,528	14,408	28,126	330,291	80.2	41,027	70.1	38,265	101.2
1993	531,783	74.9	322,570	68.0	209,213	88.8	594,359	266,959	88,930	213,731	592,727	71.3	92,321	619,656	12,252	24,718	306,094	92.7	25,230	61.5	34,512	97.7
1994	573,083	107.8	315,493	97.8	257,590	123.1	562,809	273,172	88,109	215,620	554,080	93.5	89,860	575,984	11,016	20,842	328,786	107.4	25,226	100.0	29,340	96.2
1995	775,538	135.3	407,238	129.1	368,300	143.0	716,330	330,125	100,293	278,759	699,351	126.2	101,019	710,628	10,831	19,606	478,054	145.4	41,032	162.7	28,394	100.0
1996	938,194	121.0	509,777	125.2	428,417	116.3	866,418	400,399	106,813	316,732	837,453	119.7	108,124	850,630	10,378	21,546	591,653	123.8	64,384	156.9	27,678	98.4
1997	1,130,609	120.5	635,136	124.6	495,473	115.7	1,062,001	470,117	115,149	410,045	1,017,129	121.5	116,160	1,070,158	11,125	19,657	649,395	109.8	71,443	111.0	27,487	100.1
1998	989,200	87.5	457,214	72.0	531,986	107.4	1,093,216	381,690	96,805	397,333	1,010,541	99.4	96,649	1,060,603	11,296	24,964	657,055	101.2	65,843	92.2	28,354	99.3
1999	756,616	76.5	361,922	79.2	394,694	74.2	814,406	322,337	71,710	280,409	739,461	73.2	73,659	775,298	7,215	19,025	529,222	80.5	63,711	96.8	27,793	95.8
2000	975,046	128.9	521,686	144.1	453,360	114.9	887,942	402,721	90,916	313,842	814,636	110.2	91,797	816,123	7,004	17,697	620,056	117.2	85,572	134.3	24,962	100.0
2001	788,898	80.9	411,125	78.8	377,773	83.3	874,107	313,370	74,572	300,527	776,453	95.3	74,911	781,440	6,922	18,320	558,403	90.1	69,619	81.4	23,848	100.3
2002	675,837	85.7	350,322	85.2	325,515	86.2	670,714	308,372	55,807	227,217	585,098	75.4	58,144	594,957	4,483	16,083	484,668	86.8	50,904	73.1	22,545	98.8
2003	851,101	125.9	441,587	126.1	409,514	125.8	792,356	348,947	65,673	272,171	690,205	118.0	64,013	692,463	3,851	14,687	564,105	116.4	53,163	104.4	22,130	99.2
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	99,352	454,703	1,176,926	132.8	101,033	1,211,829	9,916	34,204	960,641	125.3	78,091	123.9	25,186	104.0
F.Y. 2011	1,311,100	117.7	418,853	118.5	892,247	117.4	1,246,026	603,683	89,043	447,064	1,179,391	125.5	90,969	1,195,477	9,388	28,015	907,842	132.1	45,940	133.6	24,710	103.1
2012	1,139,843	86.9	362,870	86.6	776,973	87.1	1,273,978	476,008	84,944	395,437	1,072,866	91.0	88,477	1,106,765	7,218	27,839	896,302	98.7	50,467	109.9	25,501	101.9
2013	1,204,852	105.7	422,029	116.3	782,823	100.8	1,149,078	529,922	61,185	344,370	932,756	86.9	64,928	954,646	7,957	27,925	771,570	86.1	72,836	144.3	24,650	101.2
2014 1-3	330,828	136.1	106,179	125.0	224,649	142.1	365,163	529,922	19,695	109,062	284,410	119.5	20,547	304,823	7,957	27,925	206,470	102.5	23,232	173.2	24,776	100.7
4-6	370,021	134.9	114,246	129.1	255,775	137.7	304,536	595,696	24,848	107,872	274,932	139.9	24,304	268,499	9,361	34,994	232,938	134.2	18,211	124.7	25,261	104.7
7-9	391,554	135.9	133,851	121.2	257,703	145.0	399,149	588,102	27,684	122,903	319,397	137.9	28,748	337,119	9,281	32,256	275,161	140.1	17,617	103.6	25,333	105.1
10-12	416,994	133.8	142,115	121.5	274,879	141.2	353,336	652,213	27,125	114,866	298,187	135.4	27,434	301,388	9,916	34,204	246,072	126.1	19,031	105.7	25,371	105.5
2013 7	92,841	87.8	32,757	101.0	60,084	82.0	80,783	536,995	4,632	26,025	72,135	75.3	4,944	67,947	6,875	32,060	63,246	72.1	5,457	151.6	24,451	102.0
8	94,583	98.3	35,393	120.2	59,190	88.6	86,269	545,311	4,524	25,424	72,728	75.3	4,856	73,956	7,964	32,406	67,952	79.3	5,138	109.0	24,659	101.1
9	100,657	93.7	42,256	136.3	58,401	76.4	123,231	522,722	5,105	31,665	86,812	79.3	5,900	96,322	7,595	29,410	65,159	85.7	6,411	146.1	24,582	101.7
10	102,211	108.4	38,654	140.5	63,557	95.2	79,408	545,541	4,576	26,014	71,250	82.4	4,772	70,541	7,777	30,154	59,378	77.4	5,363	102.0	24,580	101.6
11	101,764	115.4	41,609	139.3	60,155	103.2	82,506	564,802	4,550	25,624	69,203	82.6	4,729	65,672	7,947	32,303	61,210	86.1	5,960	140.7	24,458	101.5
12	107,738	128.1	36,721	141.8	71,017	122.0	106,426	566,113	5,176	29,606	79,740	89.2	5,609	82,860	7,890	31,779	74,594	101.7	6,677	172.4	24,473	99.9
2014 1	100,545	140.3	34,300	142.8	66,245	139.1	84,362	582,301	5,357	29,431	76,131	102.4	5,198	76,812	8,354	32,577	56,797	96.3	7,185	159.8	24,694	100.5
2	101,984	126.1	34,001	124.4	67,983	127.0	107,511	576,683	6,170	32,705	86,265	123.3	6,301	87,836	8,517	33,171	67,121	109.2	6,821	176.3	24,773	100.8
3	128,299	141.8	37,878	112.7	90,421	158.9	173,290	529,922	8,168	46,926	122,014	130.2	9,048	140,175	7,957	27,925	82,552	102.0	9,226	182.8	24,861	100.7
4	121,884	148.7	34,858	127.9	87,026	159.0	81,647	570,448	7,505	33,979	86,252	146.3	7,295	84,368	8,475	31,403	69,044	125.3	6,476	164.9	25,233	104.5
5	120,497	124.1	36,728	125.9	83,769	123.3	98,380	592,565	8,264	34,531	88,518	139.4	7,697	82,278	9,317	34,954	74,565	131.6	6,454	119.9	25,290	105.4
6	127,640	134.1	42,660	133.1	84,980	134.6	124,509	595,696	9,079	39,362	100,162	135.3	9,312	101,853	9,361	34,994	89,329	144.6	5,281	99.9	25,261	104.1
7	127,821	137.7	42,774	130.6	85,047	141.5	115,607	607,912	9,390	38,802	100,500	139.3	9,341	100,190	9,730	36,291	89,523	141.5	6,045	110.8	25,352	105.0
8	128,185	135.5	41,937	118.5	86,248	145.7	123,335	612,762	8,524	36,987	96,654	132.9	9,050	100,730	9,508	35,658	87,812	129.2	5,288	102.9	25,306	105.1
9	135,548	134.7	49,140	116.3	86,408	148.0	160,207	588,102	9,770	47,114	122,243	140.										

NET NEW ORDERS – METAL CUTTING MACHINE TOOLS IN JAPAN

(Value: in Millions of Yen)

Period		Total 2014	14/13 (%)	14/07-14/09	14/10-14/12	Previous Quarter (%)	year-to-year (%)	15/01-15/01	year-to-year (%)	Jan. '15	Jan. 15/Dec. 14 (%)	Jan. 15/Jan. 14 (%)
1. Primary Metals		11,584	101.0	2,277	3,380	148.4	84.6	1,063	153.4	1,063	75.7	153.4
2. Fabricated Metal Products		23,280	127.4	7,119	6,252	87.8	132.0	1,771	118.3	1,771	76.1	118.3
機 械 製 造 業	3. Industrial Machinery	199,946	122.7	56,229	56,533	100.5	121.0	15,931	106.1	15,931	90.8	106.1
	(of which construction machinery)	-	-	-	-	-	-	521	-	521	-	-
	(of which dies and molds)	26,589	103.3	7,312	7,495	102.5	93.2	2,435	111.6	2,435	123.2	111.6
	4. Motor Vehicles	167,660	135.7	42,048	47,164	112.2	125.2	11,634	108.2	11,634	67.4	108.2
	(of which auto parts)	117,474	142.8	29,823	33,986	114.0	121.8	8,982	145.5	8,982	72.8	145.5
	5. Electrical Machinery	27,412	137.4	8,407	8,376	99.6	147.5	1,753	81.7	1,753	55.3	81.7
	6. Precision Machinery	17,151	121.4	4,834	4,221	87.3	110.3	1,352	142.3	1,352	96.3	142.3
	5-6. Electrical & Precision Machinery (Sub Total)	44,563	130.8	13,241	12,597	95.1	132.5	3,105	100.3	3,105	67.9	100.3
	7. Aircraft, Shipbuilding & Transport equipment	20,558	91.2	4,994	7,187	143.9	114.5	2,700	229.2	2,700	113.6	229.2
	(of which aircraft)	-	-	-	-	-	-	-	1,271	-	1,271	-
3-7. Sub total		432,727	126.1	116,512	123,481	106.0	123.3	33,370	111.1	33,370	79.9	111.1
8. Other Machinery & Equipment		13,012	106.6	3,555	3,674	103.3	111.4	1,029	109.9	1,029	81.5	109.9
9. Government, Public Agencies & Schools		4,110	80.1	949	2,153	226.9	86.1	172	57.5	172	38.7	57.5
10. Others		6,400	115.1	1,896	1,644	86.7	133.2	515	104.9	515	82.9	104.9
11. Trading Companies		5,278	104.5	1,543	1,531	99.2	147.1	557	162.4	557	170.9	162.4
1-11. Domestic Total		496,391	123.8	133,851	142,115	106.2	121.5	38,477	112.2	38,477	79.9	112.2
12. Foreign		1,013,006	141.4	257,703	274,879	106.7	141.2	82,626	124.7	82,626	86.0	124.7
1-12. Grand Total		1,509,397	135.1	391,554	416,994	106.5	133.8	121,103	120.4	121,103	84.0	120.4
(of which: NC machines)		1,474,239	135.7	383,354	408,280	106.5	135.1	119,319	121.3	119,319	84.3	121.3
Sales		1,422,184	129.9	399,149	353,336	88.5	131.7	120,249	142.5	120,249	86.6	142.5
(of which: NC machines)		1,388,366	130.1	390,941	345,248	88.3	132.1	118,219	143.7	118,219	87.0	143.7
Order Backlog		652,213	115.2	588,102	652,213	110.9	115.2	653,067	112.2	653,067	100.1	112.2
(of which: NC machines)		624,303	115.8	560,805	624,303	111.3	115.8	625,403	112.6	625,403	100.2	112.6

NET NEW ORDERS BY DESTINATION

(Value in Millions of Yen)

2015		Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total 2015		
			%		%		%		%		%		%		%	
Asia	East Asia	Korea	3,609	138.5											3,609	138.5
		Taiwan	2,887	189.3											2,887	189.3
		China	17,927	103.7											17,927	103.7
		Other	16	-											16	-
		East Asia Total	24,439	114.5											24,439	114.5
	Other Asia	Thailand	1,534	46.1											1,534	46.1
		Malaysia	1,333	650.2											1,333	650.2
		Singapore	141	42.9											141	42.9
		Philippine	294	-											294	-
		Indonesia	1,175	-											1,175	-
Vietnam		17,268	-											17,268	-	
India		1,603	92.0											1,603	92.0	
Other	5	-											5	-		
Other Asia Total	23,353	347.4												23,353	347.4	
Sub Total	47,792	170.3												47,792	170.3	
Europe	EU	Germany	2,983	70.7											2,983	70.7
		U.K.	1,909	110.7											1,909	110.7
		Italy	1,890	133.9											1,890	133.9
		France	1,107	94.7											1,107	94.7
		Central Europe	1,261	111.0											1,261	111.0
		Other	1,799	-											1,799	-
	Sub Total	10,949	96.9											10,949	96.9	
	Other West Europe	1,848	114.5											1,848	114.5	
	Turkey	1,227	-											1,227	-	
	Switzerland	533	-											533	-	
East Europe	71	21.8											71	21.8		
Russia - Other	664	107.1											664	107.1		
Sub Total	13,532	97.7												13,532	97.7	
North America	U.S.A.	17,309	102.0											17,309	102.0	
	Canada	975	42.8											975	42.8	
	Mexico	2,275	67.3											2,275	67.3	
	Sub Total	20,559	90.8											20,559	90.8	
South America	Brazil	68	7.4											68	7.4	
	Other	388	113.1											388	113.1	
	Sub Total	456	36.1											456	36.1	
Oceania	Australia	151	55.9											151	55.9	
	Other	-2	-											-2	-	
Sub Total	149	-												149	-	
Middle East	134	-												134	-	
Africa	4	-												4	-	
Grand Total	82,626	124.7												82,626	124.7	
Of which NC	82,165	125.3												82,165	125.3	

(Note) 1. "Other East Europe" until April 2014 is the division of before the integration of EU. The countries which joined EU from 04-07 is divided as "Central Europe".

Japan Machine Tool Builders' Association

2. Middle East and Africa until July, 2014 are included in "Other" in Oceania.

3. It will be described as "-", if the actual value is "negative" or "0" or no actual value.