

The Current Condition of the Japanese Machine Tool Industry

Monthly Machine Tool Orders (March 2015)

The total value of machine tool orders in March was 147.38 billion yen. This was an increase of 12.1% compared to February and marked the second consecutive month of growth. This figure also represented an increase of 14.9% compared to the same month of the previous year, with March posting the eighteenth consecutive month of year-on-year growth. The total amount of orders topped 140 billion yen for the first time in 3 months since December 2014 and it was the highest record in the past. This also marked the record high amount in March and has passed 100 billion yen for nineteenth consecutive months, thus remained strong.

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 rose by 30.6% over February, amounting to 55.61 billion yen. This marked the second consecutive months of increase. Moreover, this figure was an increase of 46.8% over the same month of the previous year and marked the twenty-first consecutive month of year-on-year growth.

Looking at major industries, orders compared to February rose by 18.3% in industrial machinery, by 49.1% in motor vehicles, by 22.4% in electrical & precision machinery, and by 49.5% in aircraft, shipbuilding & transport equipment.

Foreign orders rose by 3.2% over February to 91.77 billion yen. This marked the second consecutive month of growth. At the same time, foreign orders showed an increase of 1.5% over the same month of the previous year, with March posting the seventeenth consecutive month of year-on-year growth.

By region, orders from Asia fell by 2.0% from February to 50.71 billion yen. However, this was an increase of 2.1% over the same month of the previous year. Orders from Europe fell by 5.3% from February to 16.09 billion yen. This was an increase of 5.8% over the same month of the previous year. Orders from North America rose by 19.6% over February, amounting to 23.50 billion yen. This figure was a decrease of 2.7% 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 Persons	PRICE INDEX	
	Value		Value		Value		Value	Value		ton						ton							
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	879,598	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	961,862	125.5	78,087	123.9	25,186	104.0
F.Y.	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	771,524	86.1	72,839	144.3	24,650	101.2
	2014	1,578,546	131.0	526,876	124.8	1,051,670	134.3	1,495,341	613,854														105.2
2014	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	234,134	134.9	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	275,255	140.2	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	246,049	126.1	19,024	105.7	25,371	105.5
2015	1-3	399,977	120.9	136,664	128.7	263,313	117.2	438,320	613,854														105.4
2013	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	56,808	96.3	7,188	159.9	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	67,063	109.1	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	69,045	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	90,525	146.5	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	89,616	141.7	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	140.8	10,357	136,199	9,281	32,256	97,827	150.1	6,284	98.0	25,342	105.2
	10	133,696	130.8	44,909	116.2	88,787	139.7	107,425	614,825	8,958	37,233	96,023	134.8	8,910	92,799	9,620	34,257	81,305	136.9	6,225	116.1	25,295	105.0
	11	139,050	136.6	49,061	117.9	89,989	149.6	107,114	646,760	8,896	37,324	96,998	140.2	8,789	95,449	10,027	35,877	74,777	122.2	6,101	102.4	25,297	106.2
	12	144,248	133.9	48,145	131.1	96,103	135.3	138,797	652,213	9,271													

NET NEW ORDERS – METAL CUTTING MACHINE TOOLS IN JAPAN

(Value: in Millions of Yen)

Industry \ Period		Total 2014	14/13 (%)	14/10-14/12	15/1-15/3	Previous Quarter (%)	year-to-year (%)	15/01-15/03	year-to-year (%)	March '15	Mar. 15/Feb. 15 (%)	Mar. 15/Mar. 14 (%)
1. Primary Metals		11,584	101.0	3,380	3,644	107.8	119.3	3,644	119.3	1,191	85.7	112.3
2. Fabricated Metal Products		23,280	127.4	6,252	6,719	107.5	129.3	6,719	129.3	2,675	117.7	123.9
機械 製 造 業	3. Industrial Machinery	199,946	122.7	56,533	52,434	92.7	124.4	52,434	124.4	19,778	118.3	138.6
	(of which construction machinery)	-	-	-	1,179	-	-	1,179	-	410	165.3	-
	(of which dies and molds)	26,589	103.3	7,495	6,908	92.2	114.0	6,908	114.0	2,254	101.6	108.8
	4. Motor Vehicles	167,660	135.7	47,164	47,685	101.1	129.8	47,685	129.8	21,579	149.1	159.4
	(of which auto parts)	117,474	142.8	33,986	35,284	103.8	144.0	35,284	144.0	16,120	158.3	158.7
	5. Electrical Machinery	27,412	137.4	8,376	6,117	73.0	114.1	6,117	114.1	2,394	121.5	141.7
	6. Precision Machinery	17,151	121.4	4,221	4,900	116.1	142.9	4,900	142.9	1,960	123.4	125.2
	5-6. Electrical & Precision Machinery (Sub Total)	44,563	130.8	12,597	11,017	87.5	125.4	11,017	125.4	4,354	122.4	133.8
	7. Aircraft, Shipbuilding & Transport equipment	20,558	91.2	7,187	7,962	110.8	174.0	7,962	174.0	3,153	149.5	177.9
	(of which aircraft)	-	-	-	3,157	-	-	3,157	-	1,331	239.8	-
3-7. Sub total		432,727	126.1	123,481	119,098	96.5	129.1	119,098	129.1	48,864	132.6	148.8
8. Other Machinery & Equipment		13,012	106.6	3,674	3,169	86.3	126.9	3,169	126.9	1,230	135.2	149.3
9. Government, Public Agencies & Schools		4,110	80.1	2,153	334	15.5	61.3	334	61.3	74	84.1	72.5
10. Others		6,400	115.1	1,644	2,081	126.6	134.1	2,081	134.1	836	114.5	157.7
11. Trading Companies		5,278	104.5	1,531	1,619	105.7	152.3	1,619	152.3	740	229.8	199.5
1-11. Domestic Total		496,391	123.8	142,115	136,664	96.2	128.7	136,664	128.7	55,610	130.6	146.8
12. Foreign		1,013,006	141.4	274,879	263,313	95.8	117.2	263,313	117.2	91,770	103.2	101.5
1-12. Grand Total		1,509,397	135.1	416,994	399,977	95.9	120.9	399,977	120.9	147,380	112.1	114.9
(of which: NC machines)		1,474,239	135.7	408,280	392,600	96.2	122.6	392,600	122.6	144,566	112.3	118.3
Sales		1,422,184	129.9	353,336	438,320	124.1	120.0	438,320	120.0	192,790	153.9	111.3
(of which: NC machines)		1,388,366	130.1	345,248	430,625	124.7	121.3	430,625	121.3	189,554	154.3	112.6
Order Backlog		652,213	115.2	652,213	613,854	94.1	115.8	613,854	115.8	613,854	93.1	115.8
(of which: NC machines)		624,303	115.8	624,303	586,281	93.9	116.6	586,281	116.6	586,281	92.9	116.6

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	3,542	109.9	4,075	173.8																			11,226	137.3			
		Taiwan	2,887	189.3	2,554	163.4	3,371	176.4																				8,812	176.3		
		China	17,927	103.7	22,565	125.1	28,770	76.9																					69,262	95.2	
		Other	16	-	12	120.0	248	1127.3																					276	-	
		East Asia Total	24,439	114.5	28,673	125.6	36,464	87.4																					89,576	104.3	
	Other Asia	Thailand	1,534	46.1	2,420	62.8	2,352	75.2																					6,306	61.2	
		Malaysia	1,333	650.2	567	196.9	333	53.5																					2,233	200.1	
		Singapore	141	42.9	377	68.1	683	71.1																					1,201	65.2	
		Philippine	294	-	552	-	325	-																					1,171	-	
		Indonesia	1,175	-	401	-	553	-																					2,129	-	
Vietnam		17,268	-	16,971	-	7,774	-																					42,013	-		
India	1,603	92.0	1,788	130.8	2,232	114.4																					5,623	111.1			
Other	5	-	17	-	-2	-																					20	-			
Other Asia Total	23,353	347.4	23,093	285.1	14,250	179.1																						60,696	266.4		
Sub Total	47,792	170.3	51,766	167.3	50,714	102.1																						150,272	138.3		
Europe	EU	Germany	2,983	70.7	4,673	99.6	4,756	97.4																					12,412	90.0	
		U.K.	1,909	110.7	2,079	91.8	2,004	81.1																					5,992	92.7	
		Italy	1,890	133.9	2,035	88.9	2,036	120.8																					5,961	110.7	
		France	1,107	94.7	2,617	239.0	2,329	193.6																						6,053	174.6
		Central Europe	1,261	111.0	1,731	167.4	1,098	83.2																						4,090	117.2
		Other	1,799	-	1,818	-	1,659	-																						5,276	-
	Sub Total	10,949	96.9	14,953	117.6	13,882	106.1																						39,784	107.2	
	Other West Europe	1,848	114.5	1,552	91.3	1,259	86.3																						4,659	97.6	
	Turkey	1,227	-	838	-	810	-																						2,875	-	
	Switzerland	533	-	563	-	374	-																						1,470	-	
East Europe	71	21.8	75	15.0	130	79.3																						276	27.9		
Russia - Other	664	107.1	412	91.6	822	163.1																						1,898	120.6		
Sub Total	13,532	97.7	16,992	110.6	16,093	105.8																						46,617	104.9		
North America	U.S.A.	17,309	102.0	17,845	92.4	20,826	101.4																						55,980	98.5	
	Canada	975	42.8	1,138	168.3	1,063	78.5																						3,176	73.7	
	Mexico	2,275	67.3	657	84.4	1,607	71.2																						4,539	70.7	
	Sub Total	20,559	90.8	19,640	94.6	23,496	97.3																						63,695	94.3	
South & Central America	Brazil	68	7.4	208	57.3	368	50.0																						644	31.9	
	Other	388	113.1	38	34.5	582	218.8																						1,008	140.2	
	Sub Total	456	36.1	246	52.0	950	94.8																						1,652	60.4	
Oceania	Australia	151	55.9	170	89.9	122	63.5																						443	68.0	
	Other	-2	-	11	-	30	-																						39	-	
Sub Total	149	-	181	-	152	-																							482	-	
Middle East	134	-	92	-	153	-																							379	-	
Africa	4	-	0	-	212	-																							216	-	
Grand Total	82,626	124.7	88,917	130.8	91,770	101.5																						263,313	117.2		
Of which NC	82,165	125.3	87,631	130.2	90,681	105.2																							260,477	118.9	

(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".

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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.