

The Current Condition of the Japanese Machine Tool Industry

Monthly Machine Tool Orders (February 2013)

The total value of machine tool orders in February was 80.87 billion yen. This was an increase of 12.9% compared to January and marked the first month of increase in five months. However, this figure represented a decrease of 21.5% compared to the same month of the previous year, with February posting the tenth consecutive month of year-on-year decline.

Total orders marked the first month-on-month growth in 5 months and exceeded 80 billion yen for the first time in 2 months. Although risk factors still remain in both domestic and foreign demand, recovery trends can be seen in both domestic and foreign markets. We look forward to a continuation of these favorable trends.

Domestic orders rose by 13.8% over January, amounting to 27.3 billion yen. This marked the first month-on-month increase in three months. However, this figure was a decrease of 11.7% from the same month of the previous year and marked nine consecutive months of year-on-year decline.

Looking at major industries, orders compared to January rose by 3.0% in industrial machinery and 29.4% in motor vehicles, fell by 15.4% in electrical and precision machinery, and rose by 28.6% in aircraft, shipbuilding and transport equipment.

Foreign orders rose by 12.4% over January to 53.54 billion yen. This marked the first month-on-month growth in 5 months. But at the same time, foreign orders showed a decrease of 25.7% from the same month of the previous year, with February posting the fifth consecutive year-on-year decline.

By region, orders from Asia rose by 24.7% over the previous month to 21.47 billion yen. This was a decrease of 52.6% from the same month of the previous year. Orders from Europe fell by 3.1% from January to 9.76 billion yen. This was an increase of 8.0% over the same month of the previous year. Orders from North America rose to 21.46 billion yen, an increase of 7.3% over January. This was also an increase of 29.8% over 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 No. of Persons	WHOLE-SALE PRICE INDEX		
	Total	%	Domestic	%	Foreign	%	Sales	Order Backlog	Unites	Weight	Value	%	Unites	Value	Unites	Weight	Value	%	Value	%				
	Value		Value		Value		Value	Value		ton						ton								
C.Y.	90年	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	
	91年	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	
	92年	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	
	93年	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	
	94年	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	
	95年	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	74,752	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	29,459	181,556	490,275	39.2	29,894	514,793	9,567	22,682	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	74,718	311,621	834,109	170.1	67,954	820,517	10,486	24,518	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	94,282	444,133	1,172,930	140.6	87,452	1,170,069	10,443	28,728	855,195	140.5	43,442	142.1	24,355	102.5		
2012	1,212,445	91.4	375,822	89.1	836,623	92.5	1,329,650	543,736	94,872	431,043	1,155,121	98.5	95,817	1,172,853	9,854	34,446	945,348	110.5	51,074	117.6	25,514	102.5		
F.Y.	2009	547,149	56.5	189,013	45.9	358,136	64.2	556,418	391,021	34,932	172,191	476,318	44.1	33,993	492,459	9,142	19,841	333,805	44.9	28,317	53.3	24,123	99.4	
	2010	1,113,604	203.5	353,591	187.1	760,013	212.2	963,307	540,050	82,342	360,679	961,957	202.0	75,789	955,583	9,531	21,282	687,264	205.9	34,378	121.4	23,401	100.6	
	2011	1,311,100	117.7	418,853	118.5	892,247	117.4	1,246,026	603,683	96,907	457,193	1,198,670	124.6	90,937	1,193,202	9,363	28,367	907,645	132.1	45,940	133.6	24,776	103.1	
2011	10-12	329,089	119.4	104,798	119.3	224,291	119.4	305,403	653,138	23,850	113,817	293,683	115.3	21,718	289,347	10,443	28,728	230,496	120.8	10,299	119.3	25,097	103.1	
	1-3	315,627	95.4	97,905	97.3	217,722	94.6	366,430	603,683	25,151	120,774	318,544	108.8	25,452	325,537	9,363	28,367	250,491	126.5	14,025	121.7	25,205	103.7	
	4-6	320,813	93.4	101,746	94.8	219,067	92.7	303,000	621,623	23,726	102,518	274,247	98.6	23,252	269,911	10,333	32,869	224,258	112.0	10,983	120.2	25,692	103.2	
	7-9	309,412	95.9	92,885	85.3	216,527	101.2	362,495	574,865	25,583	111,644	302,182	98.0	25,940	312,513	10,375	33,906	249,405	110.1	12,699	101.7	25,743	101.8	
2012	266,593	81.0	83,286	79.5	183,307	81.7	297,725	543,736	20,412	96,107	260,148	88.6	21,173	264,892	9,854	34,446	221,194	96.0	13,367	129.8	25,414	101.4		
2011	8	98,929	115.2	37,574	131.3	61,355	107.2	96,229	645,603	7,482	37,412	96,920	133.0	7,349	97,422	9,889	26,907	65,962	120.6	3,528	148.8	25,069	104.5	
	9	110,507	120.1	35,496	130.9	75,011	115.6	126,653	629,457	8,377	42,333	113,677	130.5	8,105	116,962	9,718	25,314	81,227	137.7	4,348	152.5	25,115	103.1	
	10	101,110	126.0	31,709	125.0	69,401	126.5	84,482	646,080	7,331	34,225	87,154	107.8	6,633	85,908	9,997	26,198	67,016	120.3	3,041	103.1	25,222	103.0	
	11	111,998	115.8	37,732	122.0	74,266	112.9	102,661	655,414	7,995	39,056	101,511	121.2	7,191	96,214	10,313	28,693	75,235	116.8	3,360	124.6	25,053	103.0	
	12	115,981	117.4	35,357	112.2	80,624	119.9	118,260	653,138	8,524	40,536	105,018	116.6	7,894	107,225	10,443	28,728	88,245	124.7	3,898	130.5	25,015	103.2	
	2012	1	97,404	93.1	27,896	88.2	69,508	95.3	90,541	660,008	7,741	35,627	91,152	115.9	7,274	85,794	10,489	31,580	59,918	132.9	5,021	128.9	25,212	103.8
	2	102,969	91.4	30,950	83.7	72,019	95.2	107,618	656,777	8,523	37,806	101,054	102.2	7,693	96,620	10,786	33,340	84,527	121.8	3,648	110.2	25,223	103.9	
	3	115,254	101.6	39,059	121.9	76,195	93.5	168,271	603,683	8,887	47,341	126,338	109.5	10,485	143,123	9,363	28,367	106,047	126.9	5,356	123.9	25,179	103.5	
	4	107,318	100.4	34,324	103.0	72,994	99.2	88,730	622,397	7,716	34,277	90,103	110.3	7,588	88,922	9,638	30,479	76,370	115.8	3,178	115.4	25,603	104.0	
	5	104,841	97.0	32,607	101.0	72,234	95.3	99,452	627,786	7,659	31,799	86,961	95.1	7,748	85,077	9,812	31,681	70,814	117.1	4,183	132.6	25,592	102.8	
	6	108,654	84.5	34,815	83.5	73,839	85.0	114,818	621,623	8,351	36,442	97,183	92.5	7,916	95,912	10,333	32,869	77,073	104.5	3,621	112.2	25,882	102.7	
	7	105,732	93.3	32,437	90.7	73,295	94.5																	

NET NEW ORDERS—METAL CUTTING MACHINE TOOLS IN JAPAN

(Value in Millions of Yen)

Industry	Period	Total 2012	12/11 (%)	12/07-12/09	12/10-12/12	Previous Quarter	year-to-year	13/01-13/02	year-to-year	Feb. '13	Feb. 13/Jan. 12	Feb. 13/Feb. 13
						(%)	(%)		(%)	(%)	(%)	(%)
1.	Primary Metals	7,308	83.4	1,756	2,084	118.7	67.2	1,183	130.0	740	167.0	112.5
2.	Fabricated Metal Products	14,272	86.0	4,180	3,566	85.3	102.2	2,430	122.5	1,422	141.1	118.2
Machinery & Equipment Industries	3. Industrial Machinery	160,076	84.7	40,229	32,049	79.7	71.7	20,627	77.6	10,465	103.0	73.0
	(of which dies and molds)	21,897	100.4	5,633	4,789	85.0	82.6	3,380	100.5	1,252	58.8	65.1
	4. Motor Vehicles	116,527	95.3	26,613	27,391	102.9	84.3	16,327	92.5	9,210	129.4	98.7
	(of which auto parts)	72,989	87.2	16,102	17,585	109.2	76.4	9,649	77.9	5,386	126.3	81.5
	5. Electrical Machinery	20,034	84.8	5,232	4,464	85.3	89.6	3,180	105.8	1,505	89.9	126.4
	6. Precision Machinery	16,008	70.0	4,110	3,128	76.1	52.0	1,995	65.6	867	76.9	68.4
	5-6. Electrical & Precision Machinery (Sub Total)	36,042	77.6	9,342	7,592	81.3	69.1	5,175	85.6	2,372	84.6	96.5
	7. Aircraft, Shipbuilding & Transport equipment	18,986	139.0	4,060	5,102	125.7	167.3	2,377	107.3	1,337	128.6	144.2
3-7 Machinery & Equipment Industries (Sub Total)	331,631	89.3	80,244	72,134	89.9	79.1	44,506	84.8	23,384	110.7	86.4	
8.	Other Machinery & Equipment	10,311	73.8	3,063	2,313	75.5	66.2	1,720	122.9	922	115.5	106.3
9.	Government, Public Agencies & Schools	3,222	99.2	1,372	1,162	84.7	83.0	317	75.3	165	108.6	77.8
10.	Others	5,824	110.2	1,492	1,245	83.4	83.6	782	79.8	441	129.3	80.6
11.	Trading Companies	3,254	135.4	778	782	100.5	134.1	417	65.2	256	159.0	62.3
1-11.	Domestic Total	375,822	89.1	92,885	83,286	89.7	79.5	51,355	87.3	27,330	113.8	88.3
12.	Foreign	836,623	92.5	216,527	183,307	84.7	81.7	101,182	71.5	53,544	112.4	74.3
1-12.	Grand Total	1,212,445	91.4	309,412	266,593	86.2	81.0	152,537	76.1	80,874	112.9	78.5
	(of which: NC machines)	1,182,157	91.6	302,844	259,176	85.6	80.9	148,476	76.3	78,558	112.4	78.8

Sales	1,329,650	112.7	362,495	297,725	82.1	97.5	169,178	85.4	89,730	112.9	83.4
(of which: NC machines)	1,293,883	113.1	354,050	289,177	81.7	97.4	164,809	86.8	87,948	114.4	86.2
Order Backlog	543,736	83.2	574,865	543,736	94.6	83.2	527,091	80.3	527,091	98.3	80.3
(of which: NC machines)	519,224	83.3	549,009	519,224	94.6	83.3	502,895	80.1	502,895	98.2	80.1

NET NEW ORDERS BY DESTINATION

(Value in Millions of Yen)

2013		Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Total				
			%		%		%		%		%		%		%		%		%		%		%		%	2013	%			
Asia	East Asia	Korea	2,951	213.7	2,276	144.7																					5,227	176.9		
		Taiwan	1,179	64.9	938	72.5																						2,117	68.0	
		China	7,945	34.6	10,498	37.4																							18,443	36.1
		Other	31	6.3	0	-																							31	3.0
		East Asia Total	12,106	45.4	13,712	43.6																							25,818	44.4
	Other Asia	Thailand	2,210	28.5	3,502	67.5																							5,712	44.1
		Malaysia	226	56.5	195	9.9																							421	17.7
		Singapore	275	17.4	240	23.3																							515	19.8
		India	800	20.9	691	20.6																							1,491	20.7
		Other	1,604	67.9	3,127	136.5																							4,731	101.7
		Other Asia Total	5,115	32.1	7,755	56.0																							12,870	43.2
Sub Total		17,221	40.4	21,467	47.4																							38,688	44.0	
Europe	E U	8,097	107.4	7,902	110.4																							15,999	108.9	
	Germany	2,303	64.2	2,441	95.4																								4,744	77.2
	U. Kingdom	1,426	110.4	963	51.3																								2,389	75.3
	Italy	1,051	207.7	715	158.2																								1,766	184.3
	France	1,174	122.2	1,214	123.4																								2,388	122.8
	Central Europe	1,031	510.4	1,144	284.6																								2,175	360.1
	Other West Europe	1,064	134.0	977	98.4																								2,041	114.2
	Other East Europe	135	75.8	138	98.6																								273	85.8
	Russia	776	182.6	746	99.1																								1,522	129.2
	Sub Total		10,072	112.7	9,763	108.0																								19,835
North America	USA	17,610	113.1	20,097	134.7																								37,707	123.6
	Canada	861	87.9	888	108.0																								1,749	97.1
	Mexico	1,529	227.2	476	60.2																								2,005	137.0
	Sub Total		20,000	116.1	21,461	129.8																								41,461
S. & C. America	Brazil	234	50.3	267	32.5																								501	38.9
	Other	1	33.3	137	1053.8																								138	862.5
	Sub Total		235	50.2	404	48.4																								639
Other	Australia	37	44.6	268	98.5																								305	85.9
	Other	73	35.4	181	464.1																								254	103.7
	Sub Total		110	38.1	449	144.4																								559
Grand Total		47,638	68.5	53,544	74.3																								101,182	71.5
Of which: NC Machines		47,079	68.7	52,825	74.6																								99,904	71.7

(Note) 1. The countries newly joined EU are included in "Central Europe" since May, 2004. 2. Oceania, Middle East and Africa are included in "Other" region. 3. % previous year

Japan Machine Tool Builders' Association