

## Production and Sales of Machine tool Accessory on October – December,2017

(Value in Thousands of Yen)

Items		Production		Comparison (%) to the year earlier	Sales		Comparison (%) to the year earlier
		Quantity	Value		Quantity	Value	
Elements	Clutchs & Brakes	11,106,654	5,534,329	119	11,216,864	5,951,192	122
	Ball Screws	406,018	9,459,691	135	424,772	10,257,549	135
	Liner motion guides	2,216,953	16,169,389	130	2,230,036	16,718,230	127
	Spindles	613	315,600	117	662	344,806	118
	Coupling	775,962	2,008,856	121	744,525	1,817,932	122
	Other	2,829	27,536	145	2,948	28,731	137
	Subtotal	14,509,029	33,515,401	129	14,619,807	35,118,440	128
Work Holding	Hand Operated	3,164	409,055	92	3,314	424,435	94
Devices	Power Operated	29,518	2,323,735	124	28,841	2,220,470	120
	Special Design Chucks	309	105,077	106	374	165,867	88
	Actuators for Power Operated	7,342	889,945	123	7,416	757,464	126
	Live Centers	3,600	124,587	142	3,633	160,123	117
	Other Work Holding	10,457	594,410	104	9,916	644,633	119
	Subtotal	54,390	4,446,809	117	53,494	4,372,992	116
Tool Holders	General purpose Tool Holders	64,823	355,132	115	67,034	360,212	114
	Tool Holders for NC machine tools	415,611	3,637,623	128	416,183	3,506,147	114
	Tool Holders for lathers	3,058	72,336	115	3,396	71,557	132
	Tool Holders for special	5,306	55,138	89	6,185	60,618	87
	Other Tool Holders	31,781	385,826	119	28,619	369,627	109
	Subtotal	520,579	4,506,055	125	521,417	4,368,161	113
Attachments and Accessories	Attachments for indexing	5,286	5,748,353	140	5,287	5,308,041	119
	Machine Vice	3,580	407,327	109	3,362	504,882	113
	Other Attached	56,230	853,631	116	50,146	790,795	107
	Other Accessories	158,458	3,383,481	121	141,651	3,862,941	120
	Subtotal	223,554	10,392,792	130	200,446	10,466,659	118
T o t a l		15,307,552	52,861,057	127	15,395,164	54,326,252	124

Although considered as the factory–shipments price about the amount of production, and the amount of shipment, it will change into the amount of production, and the amount of sales from January, 2004, and both producer–selling prices or contract prices will estimate, and it will enter.