

## Production and Sales of Machine tool Accessory on 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	Clutches & Brakes	3,955,172	1,961,631	127	3,965,163	2,025,100	124
	Ball Screws	125,939	3,207,392	137	132,411	3,475,644	136
	Liner motion guides	726,396	5,324,221	128	758,374	5,536,645	123
	Spindles	223	105,982	127	242	116,211	128
	Coupling	300,617	710,148	121	285,346	625,097	120
	Other	642	8,392	139	638	8,538	108
	Subtotal	5,108,989	11,317,766	130	5,142,174	11,787,235	127
Work Holding	Hand Operated	997	144,121	100	1,085	164,549	105
Devices	Power Operated	9,763	818,186	135	9,017	764,414	128
	Special Design Chucks	102	29,873	159	125	57,180	130
	Actuators for Power Operated	2,646	301,669	108	2,463	242,983	129
	Live Centers	1,042	34,909	147	1,134	54,163	129
	Other Work Holding	3,045	172,904	88	3,573	196,154	112
	Subtotal	17,595	1,501,662	118	17,397	1,479,443	123
Tool Holders	General purpose Tool Holders	19,706	109,167	103	23,345	116,792	109
	Tool Holders for NC machine tools	144,520	1,266,107	138	135,326	1,144,193	112
	Tool Holders for lathers	1,097	24,787	93	1,161	25,146	144
	Tool Holders for special	1,318	14,269	84	1,716	16,459	85
	Other Tool Holders	10,757	134,760	146	9,206	126,898	126
	Subtotal	177,398	1,549,090	133	170,754	1,429,488	113
Attachments and Accessories	Attachments for indexing	1,712	1,840,613	141	1,666	1,632,667	117
	Machine Vice	1,285	149,292	109	1,154	170,312	126
	Other Attached	16,796	283,178	114	15,124	253,230	109
	Other Accessories	52,568	1,007,924	112	44,539	1,166,114	115
	Subtotal	72,361	3,281,007	126	62,483	3,222,323	116
T o t a l		5,376,343	17,649,525	128	5,392,808	17,918,489	123

Although considered as the factory-shippments 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-sellingsprices or contract prices will estimate, and it will enter.