

Production and Sales of Machine tool Accessory on January – December,2018

(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	45,311,107	23,577,719	111	45,819,341	24,045,769	107
	Ball Screws	1,663,453	41,289,057	121	1,732,557	44,578,348	120
	Liner motion guides	9,762,618	70,702,650	123	9,517,851	72,114,434	117
	Spindles	3,013	1,298,000	115	3,260	1,410,038	115
	Coupling	3,022,583	8,427,686	116	2,829,328	7,378,849	111
	Other	13,294	115,155	109	13,664	117,799	109
	Subtotal	59,776,068	145,410,267	120	59,916,001	149,645,237	116
Work Holding	Hand Operated	13,170	1,556,385	105	13,711	1,657,026	107
Devices	Power Operated	118,773	10,021,653	116	119,002	9,516,682	113
	Special Design Chucks	1,593	444,911	99	1,986	984,842	140
	Actuators for Power Operated	30,948	3,972,454	125	29,595	3,097,895	113
	Live Centers	17,960	514,568	109	18,790	713,006	119
	Other Work Holding	45,618	2,656,297	111	46,353	2,556,158	111
	Subtotal	228,062	19,166,268	115	229,437	18,525,609	113
Tool Holders	General purpose Tool Holders	256,443	1,422,371	107	256,053	1,397,684	104
	Tool Holders for NC machine tools	1,639,411	14,496,460	114	1,666,091	14,160,685	106
	Tool Holders for lathers	14,857	333,689	123	15,647	322,067	127
	Tool Holders for special	21,650	252,727	132	23,134	239,833	116
	Other Tool Holders	126,357	1,616,734	110	121,236	1,589,306	110
	Subtotal	2,058,718	18,121,981	113	2,082,161	17,709,575	107
Attachments and Accessories	Attachments for indexing	20,746	21,785,572	107	20,212	20,329,581	107
	Machine Vice	15,702	1,819,976	121	13,772	2,128,365	109
	Other Attached	266,737	3,555,243	111	268,905	3,615,194	116
	Other Accessories	755,621	13,871,932	110	661,870	16,089,119	109
	Subtotal	1,058,806	41,032,723	109	964,759	42,162,259	109
T o t a l		63,121,654	223,731,239	117	63,192,358	228,042,680	114

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–sellingprices or contract prices will estimate, and it will enter.