

Production and Sales of Machine tool Accessory on January - December,2019

(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	41,910,348	19,953,827	85	41,896,082	20,341,068	85
	Ball Screws	1,121,152	30,336,655	73	1,150,118	32,541,696	73
	Liner motion guides	8,189,593	55,387,918	78	7,325,704	55,890,209	78
	Spindles	2,791	1,281,443	99	2,984	1,383,932	98
	Coupling	2,455,888	6,801,614	81	2,313,744	6,010,442	81
	Other Elements	16,907	132,668	115	16,961	133,371	113
	Subtotal	53,696,679	113,894,125	78	52,705,593	116,300,718	78
Work Holding	Hand Operated Chucks	12,428	1,552,541	100	12,993	1,574,327	95
Devices	Power Operated Chucks	114,933	12,546,488	125	112,669	9,341,740	98
	Special Design Chucks	1,416	419,007	94	1,617	839,387	85
	Actuators for Power Operated Chucks	27,578	3,385,161	85	25,761	2,821,689	91
	Live Centers	17,724	523,448	102	15,699	643,888	90
	Other Work Holding Devices	45,304	2,496,808	94	45,120	2,431,830	95
	Subtotal	219,383	20,923,453	109	213,859	17,652,861	95
Tool Holders	General purpose Tool Holders	238,167	1,347,103	95	232,461	1,263,296	90
	Tool Holders for NC machine tools	1,491,813	13,095,770	90	1,453,759	12,288,712	87
	Tool Holders for lathers	13,198	295,360	89	13,124	289,185	90
	Tool Holders for special purpose	16,356	186,052	74	19,291	205,866	86
	Other Tool Holders	105,147	1,401,432	87	105,164	1,401,225	88
	Subtotal	1,864,681	16,325,717	90	1,823,799	15,448,284	87
Attachments and Accessories	Attachments for indexing	16,319	18,771,148	86	16,269	17,678,303	87
	Machine Vice	12,393	1,687,356	93	9,616	1,614,752	76
	Other Attached equipment	314,660	3,234,585	91	313,935	3,291,078	91
	Other Accessories	651,575	11,578,083	83	576,890	13,802,499	86
	Subtotal	994,947	35,271,172	86	916,710	36,386,632	86
T o t a l		56,775,690	186,414,467	83	55,659,961	185,788,495	81

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.