

## Production and Sales of Machine tool Accessory on January - March,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	9,891,764	5,221,240	84	9,980,585	5,554,873	89
	Ball Screws	340,705	9,575,097	99	351,128	10,282,101	99
	Liner motion guides	2,337,797	16,958,325	104	2,262,604	17,538,042	104
	Spindles	717	353,097	113	767	378,152	112
	Coupling	634,952	1,754,415	86	596,696	1,547,845	84
	Other Elements	4,426	36,275	136	4,452	36,603	139
	Subtotal	13,210,361	33,898,449	98	13,196,232	35,337,616	99
Work Holding	Hand Operated Chucks	3,138	395,084	108	3,569	392,826	99
Devices	Power Operated Chucks	30,642	3,732,782	161	30,986	2,561,132	109
	Special Design Chucks	400	110,060	78	455	216,043	88
	Actuators for Power Operated Chucks	8,017	935,874	96	7,649	785,940	106
	Live Centers	4,437	122,596	94	4,048	164,574	101
	Other Work Holding Devices	11,696	662,375	112	11,535	725,318	131
	Subtotal	58,330	5,958,771	132	58,242	4,845,833	109
Tool Holders	General purpose Tool Holders	54,070	321,483	89	65,687	359,057	97
	Tool Holders for NC machine tools	370,889	3,248,596	95	383,626	3,219,100	91
	Tool Holders for lathers	3,317	80,232	91	3,503	76,216	92
	Tool Holders for special purpose	4,380	49,496	94	4,923	52,759	82
	Other Tool Holders	22,626	360,790	96	25,889	380,758	104
	Subtotal	455,282	4,060,597	94	483,628	4,087,890	92
Attachments and Accessories	Attachments for indexing	4,694	5,237,421	102	4,633	5,146,390	104
	Machine Vice	4,032	499,397	106	3,115	526,587	95
	Other Attached equipment	58,951	838,907	107	60,953	888,972	104
	Other Accessories	178,544	3,217,989	92	170,432	3,834,955	96
	Subtotal	246,221	9,793,714	99	239,133	10,396,904	101
T o t a l		13,970,194	53,711,531	101	13,977,235	54,668,243	100

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.