

## Production and Sales of Machine tool Accessory on January – December,2016

(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	42,013,084	17,614,996	94	42,360,445	18,400,369	95
	Ball Screws	1,126,018	27,402,790	89	1,171,452	29,539,341	89
	Liner motion guides	6,727,894	48,050,004	96	6,731,328	50,417,021	99
	Spindles	2,553	1,103,690	99	2,747	1,185,314	99
	Coupling	2,440,984	6,095,249	108	2,336,344	5,528,953	104
	Other	11,220	86,831	67	11,716	89,579	68
	Subtotal	52,321,753	100,353,560	94	52,614,032	105,160,577	95
Work Holding	Hand Operated	11,703	1,423,160	85	13,315	1,612,773	98
Devices	Power Operated	99,416	7,625,180	85	103,021	7,579,111	87
	Special Design Chucks	1,006	347,656	77	1,289	624,884	86
	Actuators for Power Operated	21,650	2,413,083	78	22,245	2,194,285	79
	Live Centers	13,752	433,835	94	12,973	530,407	93
	Other Work Holding	38,149	2,300,138	98	39,131	2,141,472	96
	Subtotal	185,676	14,543,052	86	191,974	14,682,932	88
Tool Holders	General purpose Tool Holders	223,138	1,300,541	98	217,690	1,219,346	94
	Tool Holders for NC machine tools	1,380,989	12,474,380	83	1,448,748	12,194,517	85
	Tool Holders for lathers	11,023	252,592	103	11,022	238,452	105
	Tool Holders for special	17,937	194,426	88	21,815	223,170	86
	Other Tool Holders	126,897	1,427,446	87	112,503	1,352,424	88
	Subtotal	1,759,984	15,649,385	84	1,811,778	15,227,909	86
Attachments and Accessories	Attachments for indexing	18,361	18,461,395	91	19,118	18,587,665	99
	Machine Vice	12,367	1,531,848	96	12,193	1,790,571	97
	Other Attached	285,775	2,820,955	94	281,720	2,741,229	100
	Other Accessories	599,089	11,028,273	96	531,288	12,776,810	92
	Subtotal	915,592	33,842,471	93	844,319	35,896,275	96
T o t a l		55,183,005	164,388,468	92	55,462,103	170,967,693	94

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.