

## Production and Sales of Machine tool Accessory on July – 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	24,101,676	11,118,275	122	23,325,254	11,792,225	123
	Ball Screws	760,652	18,021,889	130	795,724	19,535,921	130
	Liner motion guides	4,174,267	30,670,213	123	4,322,179	31,962,587	122
	Spindles	1,272	624,978	116	1,367	679,275	117
	Coupling	1,468,629	3,813,567	118	1,421,217	3,515,476	122
	Other	5,238	49,378	143	5,637	51,898	135
	Subtotal	30,511,734	64,298,300	124	29,871,378	67,537,382	125
Work Holding	Hand Operated	5,981	734,909	96	6,532	778,457	93
Devices	Power Operated	58,624	4,517,468	119	57,326	4,416,003	120
	Special Design Chucks	642	233,412	142	802	358,314	106
	Actuators for Power Operated	14,244	1,695,414	139	14,552	1,466,173	128
	Live Centers	7,459	241,592	121	7,320	308,291	119
	Other Work Holding	24,332	1,302,668	108	21,543	1,244,174	111
	Subtotal	111,282	8,725,463	118	108,075	8,571,412	116
Tool Holders	General purpose Tool Holders	125,120	690,745	108	127,800	692,005	113
	Tool Holders for NC machine tools	796,603	6,920,483	123	832,709	6,961,729	118
	Tool Holders for lathers	6,472	149,150	129	6,911	145,955	134
	Tool Holders for special	9,731	100,884	93	11,276	110,734	90
	Other Tool Holders	63,097	776,437	122	60,085	760,934	118
	Subtotal	1,001,023	8,637,699	121	1,038,781	8,671,357	117
Attachments and Accessories	Attachments for indexing	10,306	10,777,921	131	10,590	10,196,908	114
	Machine Vice	6,924	791,518	110	6,566	997,025	114
	Other Attached	180,792	1,641,329	116	173,179	1,518,752	108
	Other Accessories	317,842	6,698,323	122	296,933	7,723,835	122
	Subtotal	515,864	19,909,091	126	487,268	20,436,520	116
T o t a l		32,139,903	101,570,553	124	31,505,502	105,216,671	122

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.