

Production and Sales of Machine tool Accessory on 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	3,694,598	1,782,012	91	3,719,907	1,891,729	93
	Ball Screws	158,659	3,384,483	106	163,242	3,665,764	105
	Liner motion guides	773,252	5,802,127	109	683,747	5,791,963	105
	Spindles	259	109,522	103	281	119,440	103
	Coupling	235,325	690,677	97	217,002	586,712	94
	Other	1,505	11,782	140	1,606	12,700	149
	Subtotal	4,863,598	11,780,603	104	4,785,785	12,068,308	102
Work Holding	Hand Operated	1,252	157,512	109	1,277	155,631	95
Devices	Power Operated	9,815	954,835	117	9,751	795,964	104
	Special Design Chucks	49	14,077	47	137	62,684	110
	Actuators for Power Operated	2,919	372,548	123	2,299	236,077	97
	Live Centers	1,422	43,922	126	1,585	66,627	123
	Other Work Holding	1,456	188,606	109	1,616	170,637	87
	Subtotal	16,913	1,731,500	115	16,665	1,487,620	101
Tool Holders	General purpose Tool Holders	25,925	128,932	118	21,000	117,577	101
	Tool Holders for NC machine tools	142,776	1,229,269	97	135,147	1,185,092	104
	Tool Holders for lathers	1,462	32,983	133	1,418	28,466	113
	Tool Holders for special	1,700	19,181	134	2,273	24,337	148
	Other Tool Holders	8,154	117,141	87	10,695	129,001	102
	Subtotal	180,017	1,527,506	99	170,533	1,484,473	104
Attachments and Accessories	Attachments for indexing	1,587	1,797,998	98	1,431	1,557,979	95
	Machine Vice	1,365	161,896	108	985	148,815	87
	Other Attached	15,913	278,959	99	16,373	281,481	111
	Other Accessories	63,210	1,095,988	109	56,349	1,253,152	107
	Subtotal	82,075	3,334,841	102	75,138	3,241,427	101
T o t a l		5,142,603	18,374,450	104	5,048,121	18,281,828	102

Although considered as the factory-shippments 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-sellingsprices or contract prices will estimate, and it will enter.