

## Production and Sales of Machine tool Accessory on November,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	3,746,485	1,669,620	88	3,678,069	1,606,910	81
	Ball Screws	80,444	1,949,959	52	82,587	2,094,477	52
	Liner motion guides	579,505	3,438,259	53	465,133	3,395,675	52
	Spindles	194	97,992	86	210	107,178	87
	Coupling	186,864	543,058	70	174,461	469,104	75
	Other Elements	813	6,690	56	867	7,559	59
	Subtotal	4,594,305	7,705,578	59	4,401,327	7,680,903	58
Work Holding	Hand Operated Chucks	1,041	157,902	118	1,059	148,593	102
Devices	Power Operated Chucks	8,902	850,351	93	9,325	721,704	83
	Special Design Chucks	92	39,852	82	92	71,319	77
	Actuators for Power Operated Chucks	1,552	203,738	61	1,575	177,228	63
	Live Centers	1,621	50,751	114	1,354	56,633	85
	Other Work Holding Devices	2,773	173,494	65	3,345	188,575	74
	Subtotal	15,981	1,476,088	85	16,750	1,364,052	80
Tool Holders	General purpose Tool Holders	20,714	107,795	82	17,023	95,406	82
	Tool Holders for NC machine tools	116,227	1,053,043	88	110,924	947,981	82
	Tool Holders for lathers	991	20,283	77	738	17,202	65
	Tool Holders for special purpose	920	11,396	57	1,358	15,888	77
	Other Tool Holders	8,643	97,169	68	8,100	93,590	66
	Subtotal	147,495	1,289,686	85	138,143	1,170,067	80
Attachments and Accessories	Attachments for indexing	1,189	1,414,968	74	1,208	1,406,073	84
	Machine Vice	807	118,223	80	674	109,386	56
	Other Attached equipment	49,583	261,594	78	49,219	255,008	74
	Other Accessories	41,655	890,632	77	42,722	1,117,112	79
	Subtotal	93,234	2,685,417	76	93,823	2,887,579	80
T o t a l		4,851,015	13,156,769	67	4,650,043	13,102,601	65

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.