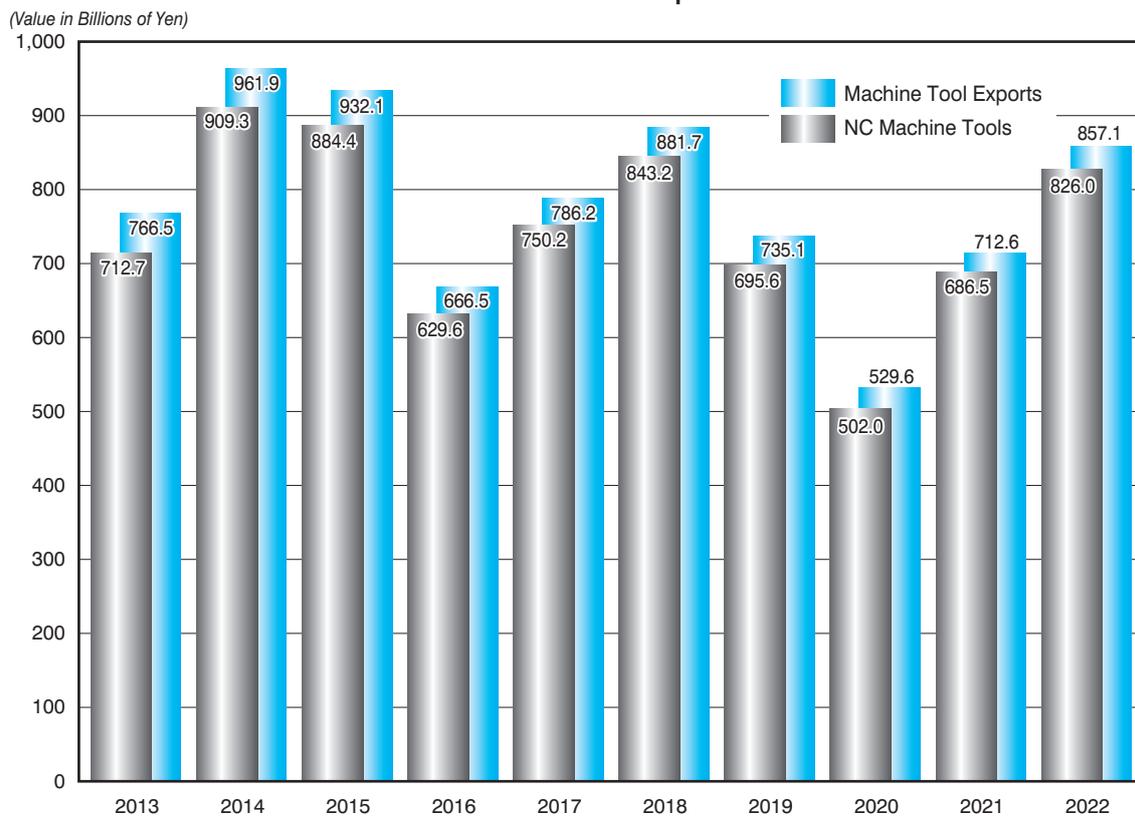


Trends in Exports of Machine Tools

Machine Tool Exports



Source: MOF

- According to trade statistics compiled by the Ministry of Finance, the value of machine tool exports in 2022 increased 20.3% year-on-year to 857.1 billion yen, increasing for two consecutive years and surpassing 800 billion yen for the first time in four years. Of this amount, NC machine tools increased 20.3% year-on-year to 826.0 billion yen, accounting for a record high of 96.4% of total exports.
- Looking at the export value by major region, although all three major regions increased for the second consecutive year, North America increased by 39.9% year-on-year to 226.7 billion yen, and Europe increased by 44.6% to 166.2 billion yen, thus, increased by more than 30% for the consecutive year respectively, but Asia (446.7 billion yen) has only increased by 6.1% year-on-year due to the slowdown in China.
- By country, China (228.6 billion yen) remained at the top for the second consecutive year, although it decreased by 2.9% compared to the previous year. Second place and below are the United States (204.8 billion yen), Taiwan (46.8 billion yen), South Korea (44.7 billion yen), and India (36.1 billion yen), all of which increased year-on-year for the second consecutive year.
- Looking at the composition of the value of exports by category of machine, machining centers amounted to ¥363.2 billion, up 15.5% YOY, NC lathes amounted to ¥212.8 billion, up 39.5%YOY and laser process machines amounted to ¥166.8 billion, up 14.9%YOY, and these three categories occupied for 86.7% of total export value.
- A closer look at the figures shows that the export ratio (the value of exports / the value of production×100%) stood at 79.4%, with the export ratio topping the ratio of overseas demand in terms of orders (65.7%). The reason for this is as the METI's Survey of Industrial Production Statistics covers only business facilities with 50 or more employees. In addition, the foreign trade statistics (exports) issued by the Ministry of Finance not only covers new machine tools but also second-hand machine tools.

Trends in the Composition of Exports by Region



Source: MOF

Machine Tool Exports by Type of Machine

(Value in Millions of Yen)

Type of Machine	2020		2021		2022			
	Units	Value	Units	Value	Units	Value	'22/'21 (%)	Share (%)
Physico-Chemical Process Machines	13,223	94,186	16,987	145,196	16,031	166,797	114.9	19.5
NC Physico-Chemical Process Machines	12,480	91,033	16,182	141,127	15,140	161,776	114.6	18.9
Machining Centers	17,291	212,200	30,519	314,552	27,703	363,194	115.5	42.4
Vertical	14,172	112,824	25,987	183,701	22,277	184,434	100.4	21.5
Horizontal	2,829	82,491	4,227	116,511	5,076	159,092	136.5	18.6
Other Machining Centers	290	16,885	305	14,340	350	19,667	137.1	2.3
Special-Purpose Machines	20	1,660	21	1,223	17	902	73.7	0.1
NC Special-Purpose Machines	5	201	2	82	2	19	23.6	0.0
Turning Machines	10,197	123,938	12,911	154,009	15,406	214,620	139.4	25.0
NC Turning Machines	7,992	122,761	10,543	152,574	12,559	212,785	139.5	24.8
Unit	93	72	85	328	53	20	6.2	0.0
Drilling Machines	3,244	2,321	4,128	2,812	3,625	2,717	96.6	0.3
NC Drilling Machines	138	1,641	236	2,113	126	1,867	88.4	0.2
Boring & Milling Machines	73	2,015	103	2,599	102	2,487	95.7	0.3
NC Boring & Milling Machines	55	1,996	80	2,498	85	2,393	95.8	0.3
Boring Machines	125	2,720	146	2,633	112	1,394	53.0	0.2
NC Boring Machines	83	2,526	100	2,554	74	1,312	51.4	0.2
Milling Machines	1,627	6,265	1,232	4,731	1,498	7,714	163.0	0.9
NC Milling Machines	302	5,466	284	4,389	431	7,350	167.5	0.9
Threading or Tapping Machines	1,389	596	1,868	694	1,875	728	105.0	0.1
NC Threading or Tapping Machines	65	228	105	253	99	315	124.6	0.0
Grinding or Finishing Machines	6,383	61,557	7,052	59,415	8,968	66,867	112.5	7.8
NC Grinding or Finishing Machines	1,900	53,925	2,034	52,976	2,197	58,019	109.5	6.8
Other Machine Tools	8,336	22,039	5,988	24,421	5,682	29,632	121.3	3.5
NC Other Machine Tools	346	10,066	488	13,376	524	16,941	126.7	2.0
Total	62,001	529,567	81,040	712,613	81,072	857,072	120.3	100.0
NC Total	40,657	502,042	60,573	686,494	58,940	825,974	120.3	96.4

Source: MOF

Note: Year-on-year (%) and Share (%) are based on value