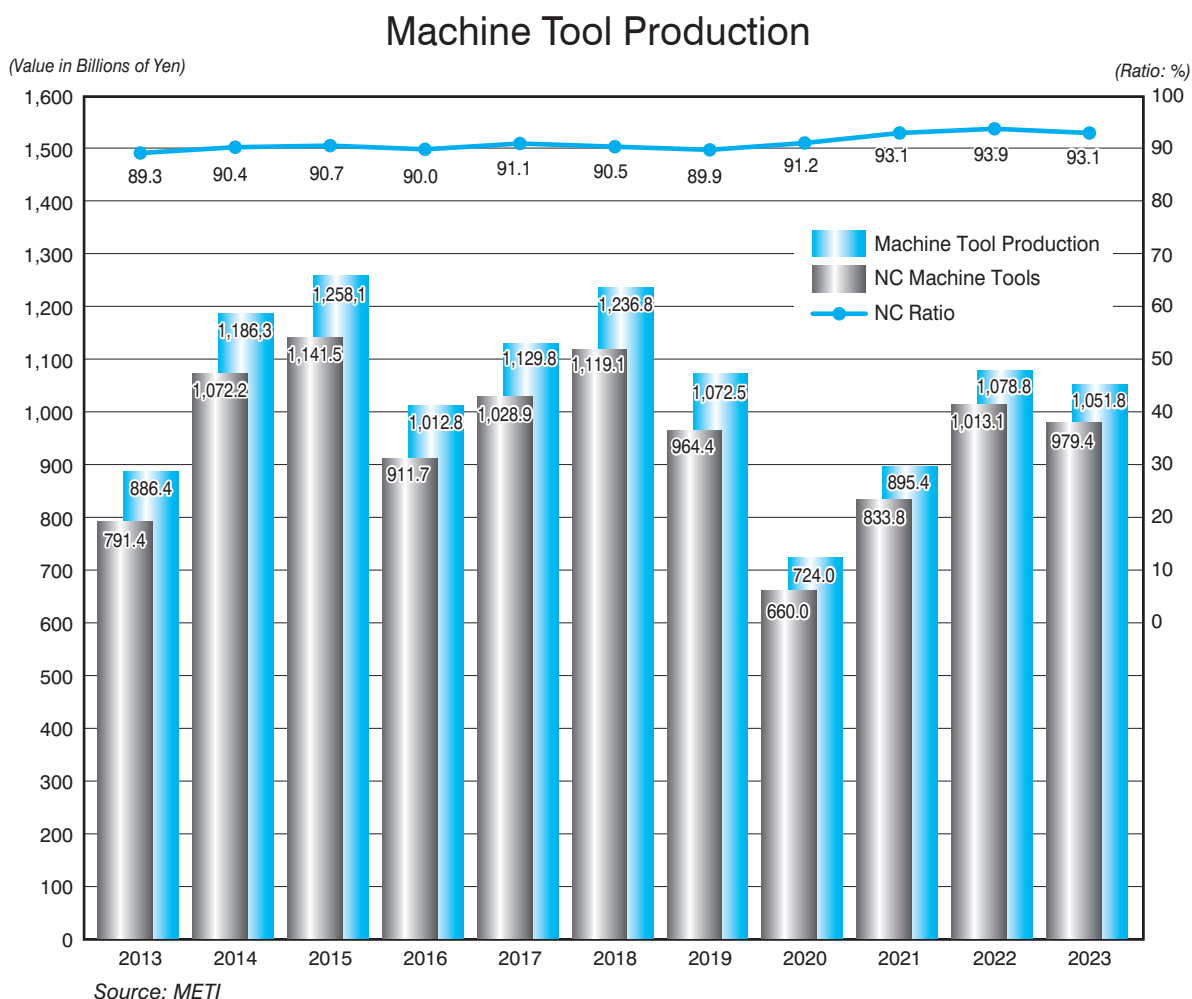
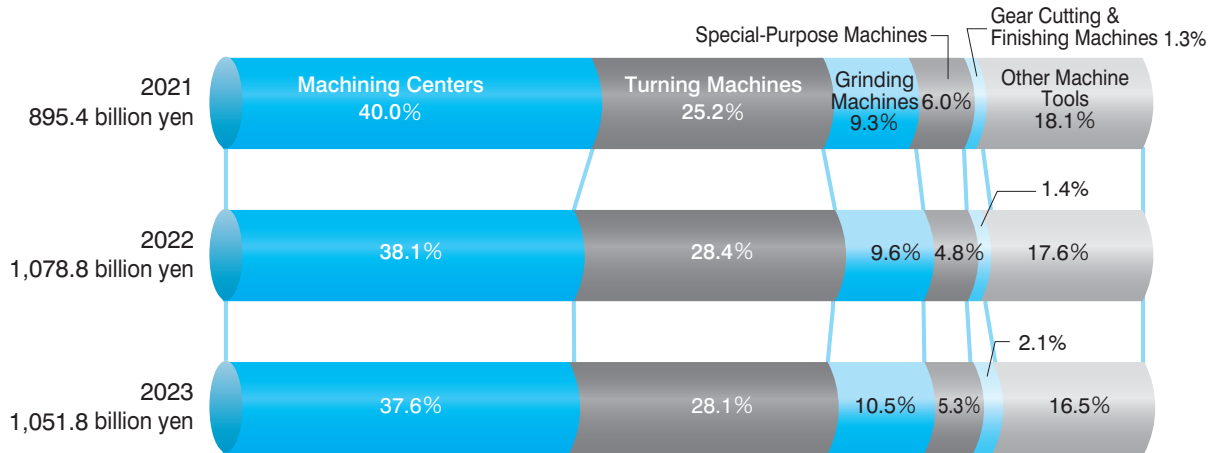


Trends in Productions of Machine Tools



- Production statistics are reported in a publication entitled Survey of Industrial Production. Issued by the Ministry of Economy, Trade and Industry, this publication covers business facilities with 50 or more employees.
- The production value of machine tools in 2023 is 1,051.8 billion yen, down 2.5% from the previous year, the first time in three years that it has fallen below the previous year's actual results, but it has exceeded 1 trillion yen for the second consecutive year. Of this, the production value of NC machine tools was 979.4 billion yen (down 3.3% from the previous year), and the NC ratio was 93.1%, slightly lower than the previous year (93.9%), which was the highest ever.
- The production of machine tools continued to grow at a slower rate compared to orders, as the supply of parts continued to be difficult due to the rapid recovery in demand from the Covid-19 pandemic, and the lead time to shipment increased. Although the trend toward long delivery times remains today, the procurement situation is gradually improving.
- Viewed by the category, machining centers posted 395.1 billion yen, down 3.9% from the previous year, NC Lathe posted 272.1 billion yen, down 3.1%, and NC EDM posted 41.3 billion yen, down 2.6%, on the other hand, NC grinding machines posted 93.4 billion yen, up 7.3% and NC gear cutting machines posted 19.7 billion yen, up 52.3%.
- Broken down by the share of the category within the total value of production, machining centers accounted for 37.6% of total 2023 machine tool production value, followed by lathes at 28.1%, other machine tools at 16.5%, grinding machines at 10.5%, special purpose machines at 5.3%, and gear cutting & finishing machines at 2.1%.
- According to the World Machine Tool Output & Consumption Survey 2023 by Gardner Publications, Inc, China was the first place in the value of production of machine tools (total amount of metal cutting and forming) for fifteenth consecutive years. Germany overtook Japan to take second place for the first time in two years, while Japan came in third.

Machine Tool Production by Type of Machine (Share)



Source: METI

Machine Tool Production by Type of Machine (Year Result)

(Value in Millions of Yen)

Type of Machine	Year	2021		2022		2023			
		Units	Value	Units	Value	Units	Value	'23/22 (%)	Share (%)
Turning Machines		14,266	225,702	18,452	305,953	15,506	295,300	96.5	28.1
NC Turning Machines		12,995	205,094	16,973	280,775	14,275	272,125	96.9	25.9
Grinding Machines		3,364	83,574	4,074	104,104	3,922	110,066	105.7	10.5
NC Grinding Machines		2,447	69,627	2,957	87,038	2,964	93,401	107.3	8.9
Gear Cutting & Finishing Machines		367	11,877	419	15,363	505	21,751	141.6	2.1
NC Gear Cutting & Finishing Machines		217	9,354	295	12,917	400	19,671	152.3	1.9
Special-Purpose Machines		2,049	53,683	1,817	52,270	1,986	56,239	107.6	5.4
NC Special-Purpose Machines		1,057	38,418	1,000	39,801	1,029	36,149	90.8	3.4
Machining Centers		33,612	358,579	30,938	411,050	24,482	395,094	96.1	37.6
Vertical		29,328	224,207	25,504	232,874	19,234	212,444	91.2	20.2
Horizontal		3,808	108,292	4,855	145,956	4,661	142,800	97.8	13.6
Other Machining Centers		476	26,080	579	32,220	587	39,850	123.7	3.8
Other Machine Tools		13,943	161,994	14,304	190,093	12,431	173,341	91.2	16.5
NC Drilling Machines		63	1,513	62	1,451	73	1,905	131.3	0.2
NC Boring Machines		153	7,488	163	7,760	185	10,602	136.6	1.0
NC Milling Machines		322	3,511	381	4,413	351	4,069	92.2	0.4
NC Electric Discharge Machines		2,925	35,359	3,273	42,438	3,052	41,317	97.4	3.9
Other NC Metal Cutting Machine Tools		2,505	104,863	3,036	125,453	2,467	105,077	83.8	10.0
Other Machine Tools		7,975	9,260	7,389	8,578	6,303	10,371	120.9	1.0
Total		67,601	895,409	70,004	1,078,833	58,832	1,051,791	97.5	100.0
NC Total		56,296	833,806	59,078	1,013,096	49,278	979,410	96.7	93.1

Source: METI

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