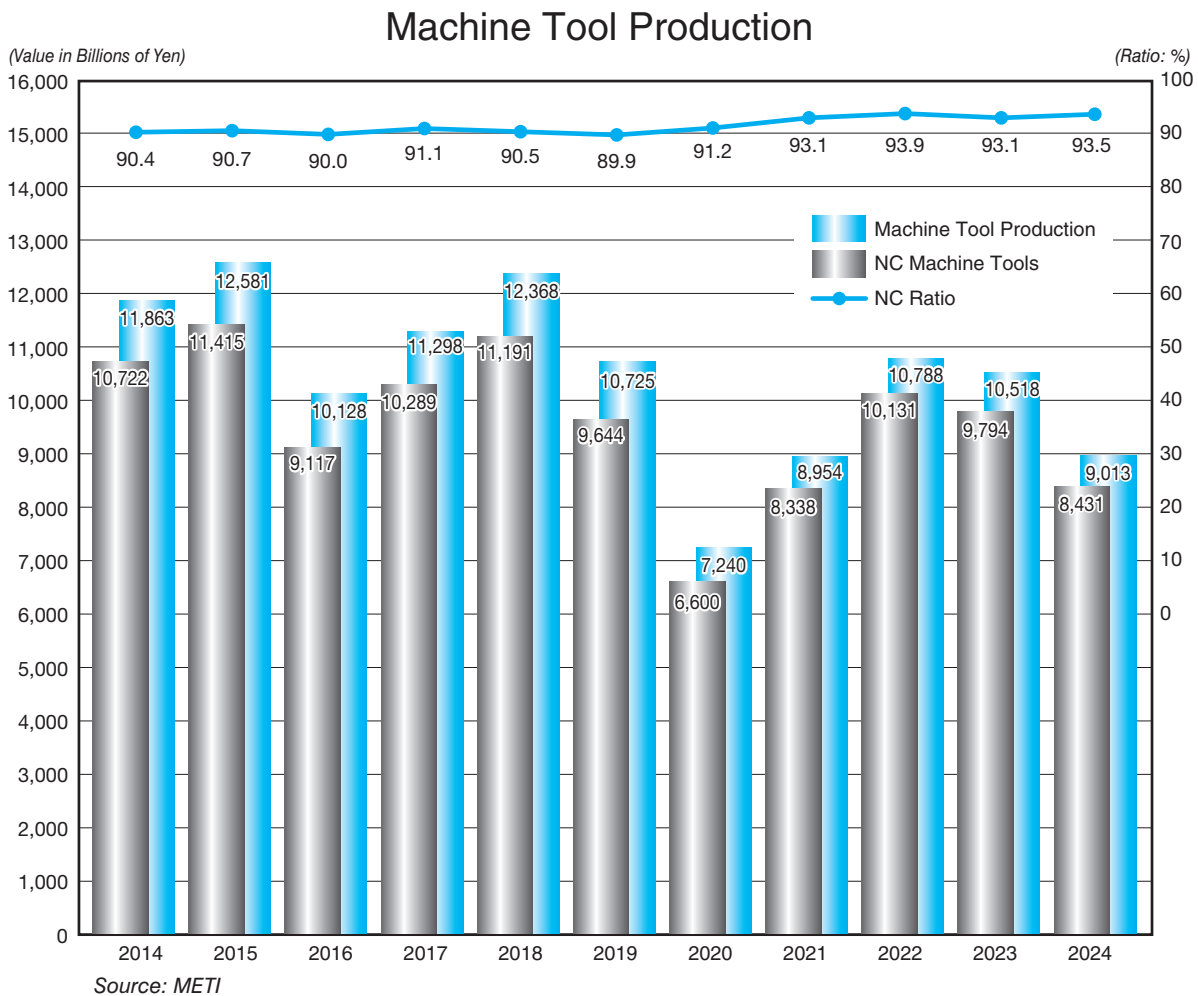
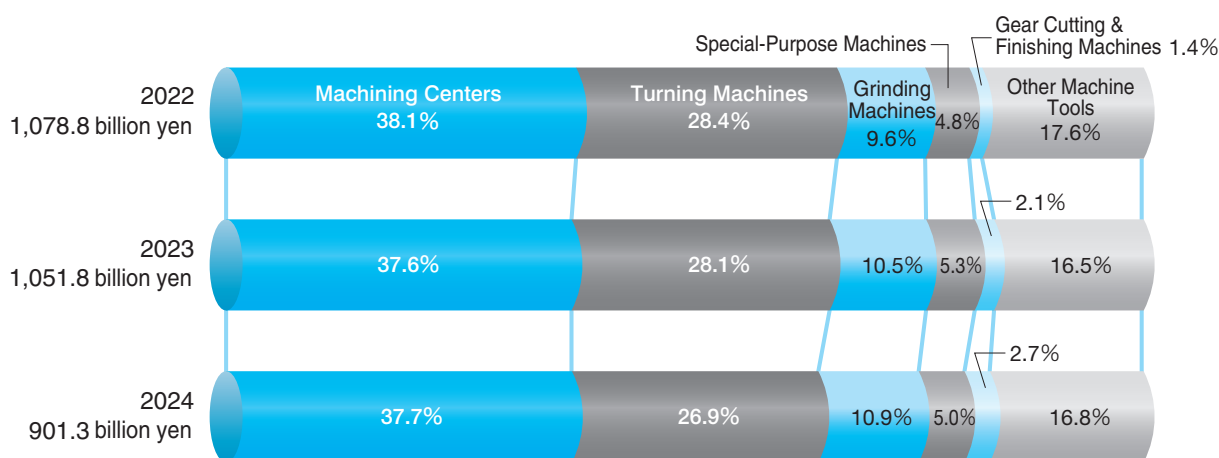


Trends in Productions of Machine Tools



- 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 2024 is 901.3 billion yen, down 14.3% from the previous year, fell below 1 trillion yen for the first time in three years. Of this, the production value of NC machine tools was 843.1 billion yen (down 13.9% from the previous year), and the NC ratio was 93.5%. This is the fourth consecutive year that the NC ratio has remained at a high level of over 93%.
- Machine tool production follows the order trends introduced on the previous page with a slight lag. Orders for 2024 began to improve in the second half of the year, but this was not fully reflected in production during the year. During the period of rapid demand recovery from the COVID-19 pandemic, the rate of increase in production was sluggish compared to orders due to the difficulty in obtaining parts, but the gap has now been largely eliminated.
- Viewed by the category, while NC Lathes (224.3 billion yen, down 17.6% from the previous year), Machining Centers (339.8 billion yen, down 14.0%), NC Grinding Machines (83.8 billion yen, down 10.2%), and NC EDMs (40.3 billion yen, down 2.5%) etc. decreased from the previous years, NC gear cutting & finishing machines (22.8 billion yen, up 15.9%) increased from the previous years.
- Broken down by the share of the category within the total value of production, machining centers accounted for 37.7% of total 2024 machine tool production value, followed by lathes at 26.9%, other machine tools at 16.8%, grinding machines at 10.9%, special purpose machines at 5.0%, and gear cutting & finishing machines at 2.7%.
- According to the World Machine Tool Output & Consumption Survey 2024 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 the 15th consecutive years. Germany came in second for the second year in a row, followed by Japan in third place.

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	2022		2023		2024			
	Units	Value	Units	Value	Units	Value	'24/'23 (%)	Share (%)
Turning Machines	18,452	305,953	15,506	295,300	11,376	242,102	82.0	26.9
NC Turning Machines	16,973	280,775	14,275	272,125	10,486	224,298	82.4	24.9
Grinding Machines	4,074	104,104	3,922	110,066	3,285	98,495	89.5	10.9
NC Grinding Machines	2,957	87,038	2,964	93,401	2,461	83,837	89.8	9.3
Gear Cutting & Finishing Machines	419	15,363	505	21,751	522	24,679	113.5	2.7
NC Gear Cutting & Finishing Machines	295	12,917	400	19,671	425	22,801	115.9	2.5
Special-Purpose Machines	1,817	52,270	1,986	56,239	1,525	45,115	80.2	5.0
NC Special-Purpose Machines	1,000	39,801	1,029	36,149	702	32,285	89.3	3.6
Machining Centers	30,938	411,050	24,482	395,094	22,638	339,819	86.0	37.7
Vertical	25,504	232,874	19,234	212,444	18,856	192,751	90.7	21.4
Horizontal	4,855	145,956	4,661	142,800	3,230	108,083	75.7	12.0
Other Machining Centers	579	32,220	587	39,850	552	38,985	97.8	4.3
Other Machine Tools	14,304	190,093	12,431	173,341	11,103	151,126	87.2	16.8
NC Drilling Machines	62	1,451	73	1,905	64	1,928	101.2	0.2
NC Boring Machines	163	7,760	185	10,602	130	9,541	90.0	1.1
NC Milling Machines	381	4,413	351	4,069	279	3,839	94.3	0.4
NC Electric Discharge Machines	3,273	42,438	3,052	41,317	2,894	40,291	97.5	4.5
Other NC Metal Cutting Machine Tools	3,036	125,453	2,467	105,077	1,886	84,426	80.3	9.4
Other Machine Tools	7,389	8,578	6,303	10,371	5,850	11,101	107.0	1.2
Total	70,004	1,078,833	58,832	1,051,791	50,449	901,336	85.7	100.0
NC Total	59,078	1,013,096	49,278	979,410	41,965	843,065	86.1	93.5

Source: METI

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