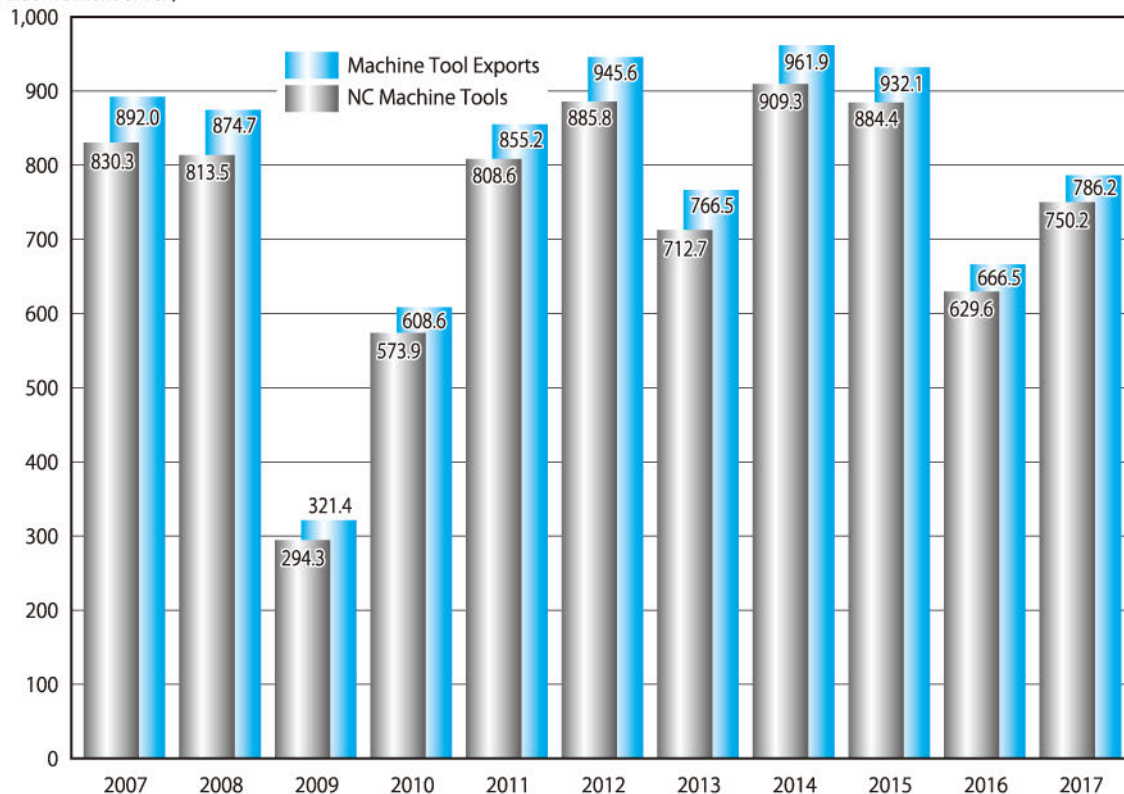


Trends in Exports of Machine Tools

Machine Tool Exports

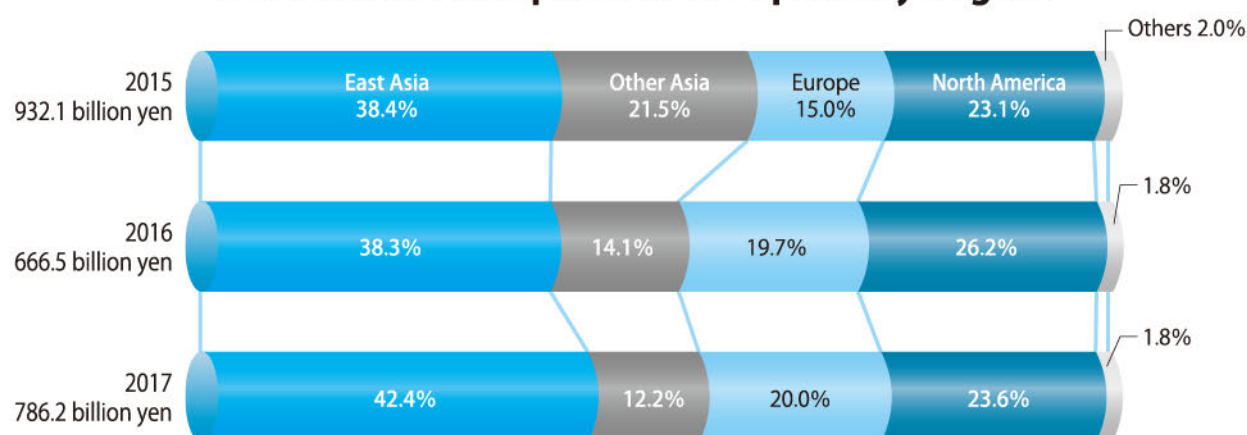
(Value in Billions of Yen)



Source: MOF

- According to trade statistics compiled by the Ministry of Finance, the value of exports of machine tools in 2017 amounted to ¥786.2 billion, up 18.0% over the previous year. Within this figure, the value of exports of NC machine tools amounted to ¥750.2 billion, up 19.2% over the previous year, thus they marked the first year-on-year growth in three years respectively.
- Turning to the value of exports of machine tools broken down by destination, exports to Asia amounted to ¥429.1 billion, up 22.9% over the previous year, due to the revival of EMS special demand in China etc. Exports to Europe amounted to ¥157.1 billion, up 19.9% over the previous year. Asia and Europe marked the first year of year-on-year increase in two years respectively. Exports to North America amounted to ¥185.6 billion, up 6.3% over the previous year. Viewed in terms of shares within the value of exports, Asia accounts for 54.6%, North America accounts for 23.6% and Europe accounts for 20.0%.
- Looking at the composition of the value of exports by category of machine, machining centers amounted to ¥367.9 billion, up 25.8%, NC turning machines amounted to ¥183.7 billion, up 13.4%, and these two categories occupied for 70.2% and trend of occupying around 70% continues.
- A closer look at the figures shows that the export ratio (the value of exports / the value of production × 100%) stood at 69.6%, with the export ratio topping the ratio of overseas demand in terms of orders (61.8%). 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	2015		2016		2017			
	Units	Value	Units	Value	Units	Value	'16/'15 (%)	Share (%)
Physico-Chemical Process Machines	11,920	99,107	11,697	87,496	14,903	110,657	126.5	14.1
NC Physico-Chemical Process Machines	11,263	95,523	10,934	83,191	14,134	107,399	(129.1)	(13.7)
Machining Centers	51,288	466,787	26,111	292,349	39,696	367,872	125.8	46.8
Vertical	45,599	295,010	21,370	161,738	34,799	222,419	(137.5)	(28.3)
Horizontal	5,013	149,145	3,842	105,477	4,452	126,864	(120.3)	(16.1)
Other Machining Centers	676	22,633	899	25,134	445	18,590	(74.0)	(2.4)
Special-Purpose Machines	25	1,217	27	1,721	33	3,598	209.1	0.5
NC Special-Purpose Machines	4	89	9	215	5	60	(27.8)	(0.0)
Turning Machines	17,619	211,076	15,603	163,980	16,105	185,952	113.4	23.7
NC Turning Machines	13,753	207,899	11,939	162,045	12,492	183,749	(113.4)	(23.4)
Way-type Unit Head Machines	252	102	209	95	137	47	49.4	0.0
Drilling Machines	7,065	8,187	5,206	4,607	5,518	3,954	85.8	0.5
NC Drilling Machines	504	5,951	283	3,500	238	2,623	(75.0)	(0.3)
Boring & Milling Machines	154	3,855	168	3,188	118	1,357	42.6	0.2
NC Boring & Milling Machines	101	3,787	118	3,125	77	1,325	(42.4)	(0.2)
Boring Machines	345	5,035	278	3,581	256	3,058	85.4	0.4
NC Boring Machines	161	4,333	127	2,923	103	2,772	(94.8)	(0.4)
Milling Machines	3,062	12,879	2,558	8,594	2,151	8,888	103.4	1.1
NC Milling Machines	680	11,455	516	7,758	499	8,002	(103.1)	(1.0)
Threading or Tapping Machines	2,733	1,764	2,526	2,339	2,140	1,460	62.4	0.2
NC Threading or Tapping Machines	194	1,157	219	1,842	139	992	(53.9)	(0.1)
Grinding or Finishing Machines	12,170	90,443	11,370	72,570	11,132	72,984	100.6	9.3
NC Grinding or Finishing Machines	3,010	74,559	2,439	60,149	2,608	62,721	(104.3)	(8.0)
Other Machine Tools	16,504	31,673	12,608	26,000	12,923	26,393	101.5	3.4
NC Other Machine Tools	518	12,881	442	12,491	477	12,695	(101.6)	(1.6)
Total	123,137	932,123	88,361	666,519	105,112	786,221	118.0	100.0
NC Total	81,476	884,421	53,137	629,587	70,468	750,210	(119.2)	(95.4)

Source: MOF
(): Share of NC Machine Tools