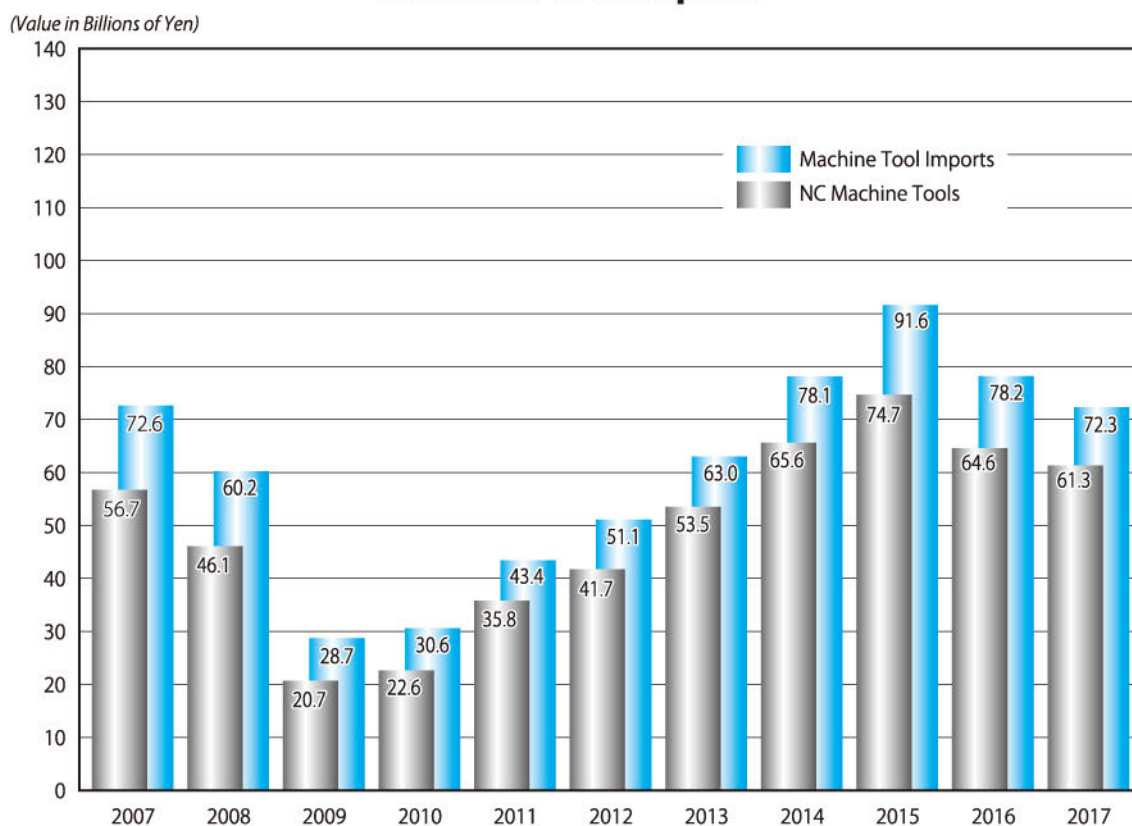


## Trends in Imports of Machine Tools

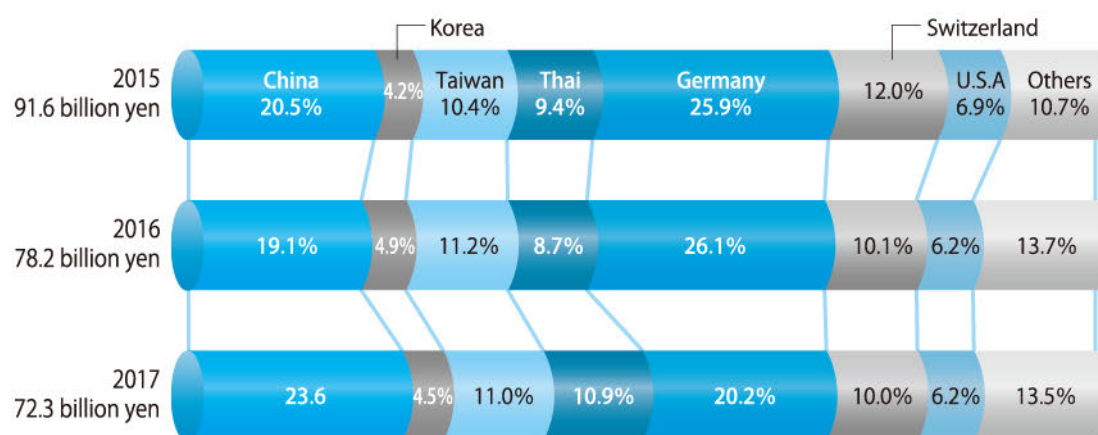
### Machine Tool Imports



Source: MOF

- The value of machine tool imports in 2017 amounted to ¥72.3 billion, down 7.6% from the previous year.
- The value of imports of NC machine tools amounted to ¥ 61.3 billion, down 5.1% from the previous year. They marked the two consecutive years of year-on-year decline respectively. The NC ratio was 84.8%, an increase of 2.2 points over the previous year.
- The main sources of imports were China at ¥17.0 billion, up 13.8%, Germany at ¥14.6 billion, down 28.3%, Taiwan at ¥8.0 billion, down 8.7%, Thailand at ¥7.9 billion, up 16.1%, and Switzerland at ¥7.3 billion, down 8.0% from the previous year. The five top-ranked sources of imports accounted for 75.8% of total imports of machine tools in 2017.
- Following is the composition of the value of imports by category: special purpose machines (laser beam machines and electrical discharge machines) accounted for 31.9%, turning machines for 27.9%, grinding and finishing machines for 15.6% and machining centers for 13.1%.

## Trends in the Composition of Imports by Region



Source: MOF

## Machine Tool Imports 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	6,785	30,585	6,245	25,040	5,633	23,045	92.0	31.9
NC Physico-Chemical Process Machines	3,012	29,289	3,051	23,431	2,795	22,200	( 94.7)	( 30.7)
Machining Centers	817	9,987	943	10,537	727	9,454	89.7	13.1
Special-Purpose Machines	36	1,830	25	1,363	20	647	47.5	0.9
Turning Machines	6,565	23,562	6,588	18,433	7,221	20,198	109.6	27.9
NC Turning Machines	4,543	23,041	3,925	17,821	4,254	19,366	(108.7)	( 26.8)
Way-type Unit Head Machines	7	2	0	0	2	8	—	0.0
Drilling Machines	9,526	1,363	6,827	480	4,384	707	147.2	1.0
NC Drilling Machines	19	457	8	82	14	389	(477.4)	( 0.5)
Boring & Milling Machines	35	553	17	301	16	327	108.5	0.5
NC Boring & Milling Machines	25	526	12	299	4	313	(104.6)	( 0.4)
Boring Machines	5	38	15	26	6	22	86.1	0.0
Milling Machines	1,048	860	1,096	1,134	1,035	1,222	107.8	1.7
NC Milling Machines	71	727	138	1,018	129	1,090	(107.2)	( 1.5)
Threading or Tapping Machines	73	342	42	1,361	22	138	10.2	0.2
Grinding or Finishing Machines	50,104	15,070	46,295	12,044	43,042	11,296	93.8	15.6
NC Grinding or Finishing Machines	351	6,607	402	6,732	380	6,597	( 98.0)	( 9.1)
Other Machine Tools	48,621	7,388	52,230	7,529	53,907	5,211	69.2	7.2
Other Machine Tools	67	4,112	82	4,686	28	1,871	( 39.9)	( 2.6)
Total	123,622	91,580	120,323	78,249	116,015	72,276	92.4	100.0
NC Total	8,905	74,747	8,561	64,606	8,332	61,285	( 94.9)	( 84.8)

Source: MOF

( ): Share of NC Machine Tools