

1680 V 



HEAVY DUTY

Vertical Machining Center

ABOUT 1680V



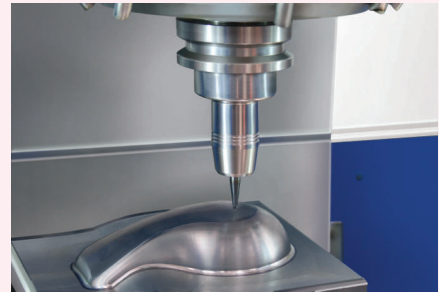
1680V is High Performance Machining Center, capacity to machine bigger size heavy duty components. This machine is ideally suitable for machining Die and Mould components. High precision LM Guideways, ball screws helps in achieving high degree of positional accuracy at faster rate.

- ▶ **HIGH METAL REMOVAL RATE**
- ▶ **RIGID STRUCTURE**
- ▶ **EXTENDED X & Y-STROKE**
- ▶ **EASE OF OPERATION**



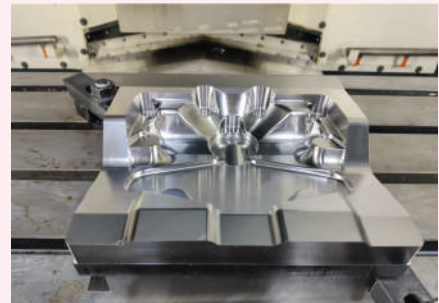
STANDARD FEATURES

- Spindle Speed 6000 rpm
- 24 Tools Faster ATC
- Spindle Taper BT-40
- Rapids 20/20/20 m/min
- Spindle Power 15/11 kW
- Side Chip Disposal

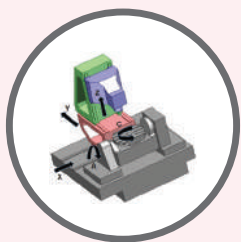


OPTIONAL FEATURES

- Higher Spindle Speed upto 12000 rpm
- 20/40 Tools ATC
- Spindle Taper BT-50
- Higher Spindle Power
- 4th & 5th Axis Rotary Table
- Rear Chip Disposal



DIE & MOULD FEATURES



Z-axis Retraction
Function



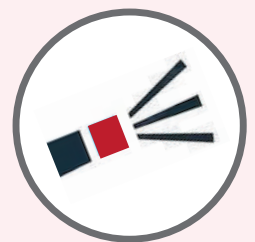
Program Restart
Function



Power Failure
Detection Feature



Drop
Prevention

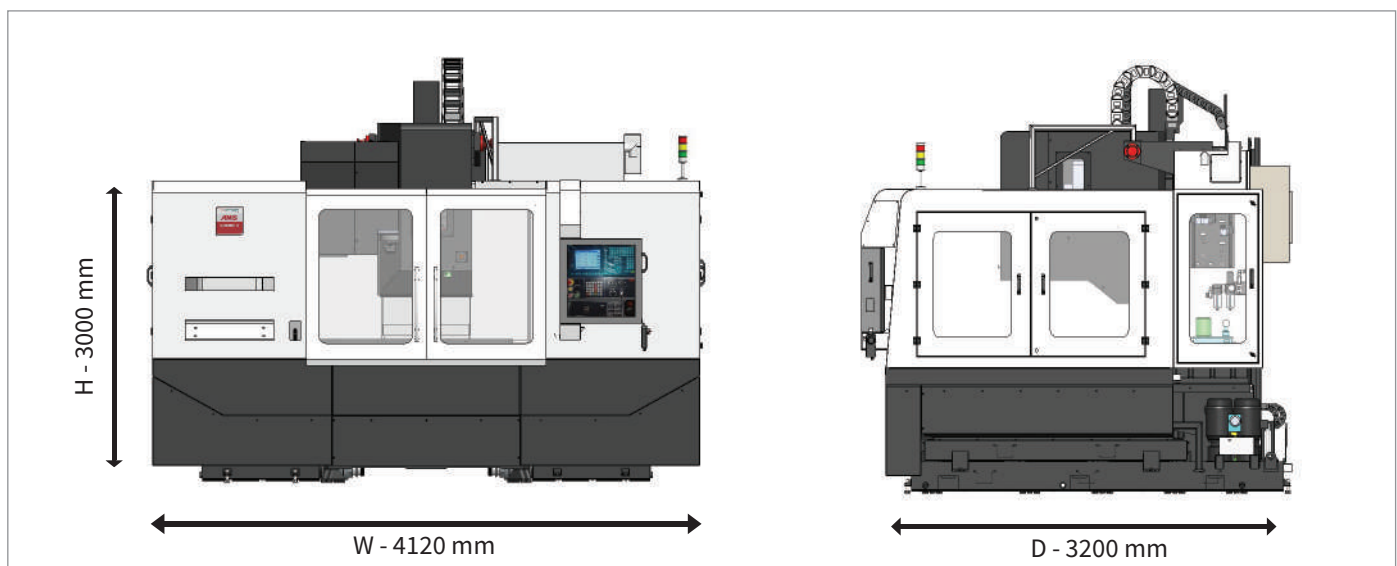


Air Nozzle for
Dry Cutting

MACHINE SPECIFICATIONS

Specifications	Unit	1680V
Travels		
X axis	mm	1600
Y axis	mm	800
Z axis	mm	700
Dist. from spindle Face to table top	mm	110 - 810
Table		
Table size	mm	1700 x 700
Max. load on table	kg	2000
Table height from floor	mm	1050
Spindle		
Tool shank type		BT - 40
Spindle speed Std.(Opt)	rpm	6000 (Upto 10000)
Spindle power Std.(Opt)	kw	15/11 (18.5/15)
Feed		
Cutting feed	mm/min	1-10000
Rapid traverse	m/min	20 / 20 / 20
Automatic Tool Changer		
No. of tools		24
Tool diameter Max. / Adjacent Tool empty	mm	80 / 155
Tool weight Max.	kg	8
Tool length Max.	mm	250
Tool change system		Twin Arm
Accuracy (As per ISO 230-2)		
Positioning accuracy	mm	0.010
Repeatability	mm	±0.003
Installation Data		
Machine weight – Net	kg	11000
Control System		
		Fanuc - 0IMF+ Siemens - 828D Mitsubishi - M80

*All Specifications are subject to change without prior notice.



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END TO END SOLUTIONS

From the Planning Stage to Production

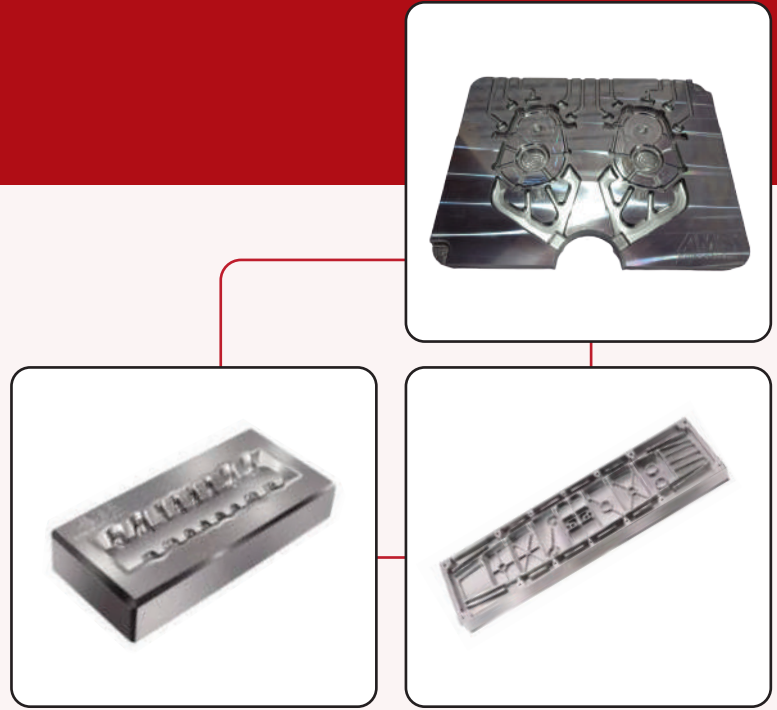
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- Process Identification
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APPLICATIONS

- Blow Moulds
- Injection Moulds
- Forging Dies
- Pressure Die Casting
- Pattern Machining
- Sheet Metal Die



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