

**1580V**



**Heavy Duty**  
**Vertical Machining Center**

## About 1580V

1580V 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 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 10000 rpm
- DM Kit
- Spindle Taper BT-50
- Higher Spindle Power
- Coolant Through Spindle
- 4th & 5th Axis Rotary Table

### Die & Mould Features



Z-axis Retraction  
Function



Program Restart  
Function



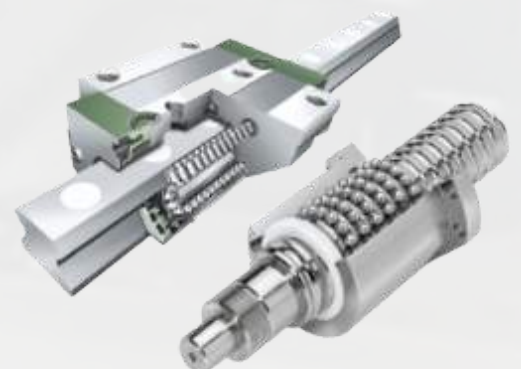
Power Failure  
Detection Feature



Drop  
Prevention



Air Nozzle  
for Dry Cutting



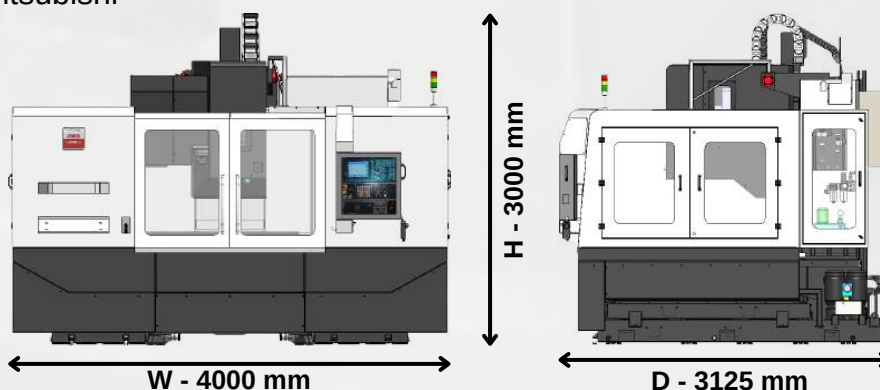
# Machine Specifications

\*All Specifications are subject to change without prior notice.

Specifications	Unit	1580V
<b>Travels</b>		
X axis	mm	1500
Y axis	mm	800
Z axis	mm	600
Dist. from spindle Face to table top	mm	100 - 700
<b>Table</b>		
Table size	mm	1650 x 700
Max. load on table	kg	2000
Table height from floor	mm	1050
<b>Spindle</b>		
Tool shank type		BT-40
Spindle speed	Std.(Opt) rpm	6000 (Upto 10000)
Spindle power	Std.(Opt) kW	15/11 (18.5/15)
<b>Feed</b>		
Cutting feed	mm/min	1-10000
Rapid traverse	m/min	20 / 20 / 20
<b>Automatic Tool Changer</b>		
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
<b>Accuracy(As per ISO 230-2)</b>		
Positioning accuracy	mm	0.010
Repeatability	mm	±0.003
<b>Installation data</b>		
Machine weight – Net	Kg	10000

## Control System

Fanuc/ Siemens/ Mitsubishi



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# End to End Solutions

From the planning stage to Production

- Process Identification
- Automation Solutions
- Fixture Development & Interface
- Complete Prove-out

## Applications

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



## Contact Us



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Leading Manufacturers of Machining Centers

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