

AMS[®]
In Pursuit of Excellence



540V

Compact & Versatile
Vertical Machining Center

AceMicromatic[®]
Group

About 540V

540V is Compact and Versatile Machining Center, with ergonomically designed structure for good accuracy & easily affordable. This machine is ideally suitable for machining Die and Mould components. High precision LM Guideways, ball screws helps in achieving high accuracy & productivity.

- **Compact Structure**
- **Improved Efficiency**
- **Fast and Flexible**
- **IoT Friendly**

Standard Features

- Spindle Speed 6000 rpm
- 24 Tools Faster ATC
- Spindle Taper BT-40
- Rapids 40/40/40 m/min
- Spindle Power 7.5/5.5 kW
- Rear Chip Disposal

Optional Features

- Higher Spindle Speed upto 12000 rpm
- DM Kit
- Chip Conveyors
- Pallet Changers
- 4th & 5th Axis Rotary Table
- Front Chip Disposal

Die & Mould Features



Z-axis Retraction
Function



Program Restart
Function



Power Failure
Detection Feature



Drop
Prevention



Air Nozzle
for Dry Cutting



Linear Pallet Changer



Rotary Pallet Changer

Pallet Size: **600x385 mm**

Max Load on Table: **250 Kgf**

Pallet Size: **600x400 mm**

Max Load on Table: **250 Kgf**

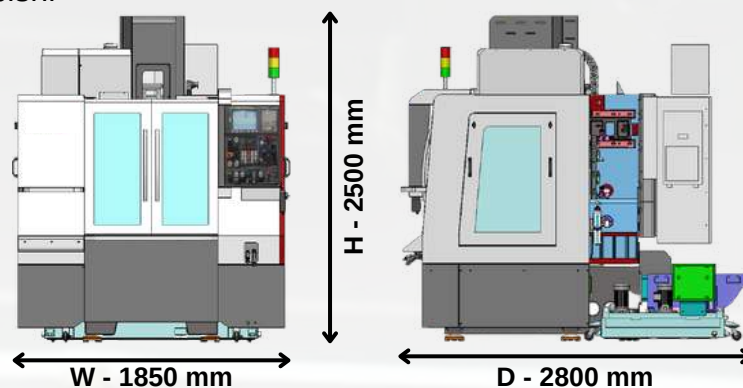
Machine Specifications

*All Specifications are subject to change without prior notice.

Specifications	Unit	540V
Travels		
X axis	mm	500
Y axis	mm	400
Z axis	mm	450
Dist. from spindle Face to table top	mm	110-560
Table		
Table size	mm	750 x 400
Max. load on table	kg	400
Table height from floor	mm	885
Spindle		
Tool shank type		BT-40
Spindle speed	Std.(Opt)	rpm 6000 (Upto 12000)
Spindle power	Std.	kW 7.5/5.5
Feed		
Cutting feed	mm/min	1-10000
Rapid traverse	m/min	40 / 40 / 40
Automatic Tool Changer		
No. of tools		24
Tool diameter Max. / Adjacent Tool empty	mm	80 / 155
Tool weight Max.	Kg	20
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	3100

Control System

Fanuc/ Siemens/ Mitsubishi





End to End Solutions

From the planning stage to Production

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

Applications

- Die Mould
- Medical
- Automotive
- Engineering Components



Mouse Mould



Auto Body Die



Ortho Components



Balancer Shaft



Cam Steady Plate

Contact Us



In Pursuit of Excellence

Leading Manufacturers of Machining Centers

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