



740V

Precise & Productive VMC

About 740V

740V is Compact & High Productivity Vertical Machining Center ideally suitable for small aluminium & cast iron components.

High precision LM Guideways, ball screws helps in achieving high degree of positional accuracy at faster rate. With a rigid structure and high precision parts one can achieve high accuracy and productivity.

- **Compact Footprint**
- **Smooth Surface Finish**
- **Rigid Structure**
- **IoT Friendly**

Standard Features

- 6000 rpm Speed (Direct Drive)
- 24 Tools Faster ATC
- Spindle Taper BT-40
- Rapids 40/40/40 m/min (Production)
- Rapids 24/24/24 m/min (Die Mould)
- Spindle Power 7.5/5.5 kW
- Rear / Front Chip Disposal

Optional Features

- Higher Spindle Speed upto 12000 rpm
- DM Kit
- Higher Spindle Power
- Chip Conveyors
- Rotary Pallet Changer
- 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

Specifications			Unit	740V	740V DM
Travels					
X axis			mm	700	760
Y axis			mm	400	425
Z axis			mm	450	470
Dist. from spindle					
Face to table top			mm	125 - 575	125 - 575
Table					
Table size			mm	850 x 400	900 x 400
Max. load on table			kg	400	800
Table height from floor			mm	870	870
Spindle					
Tool shank type				BT-40	BT-40
Spindle speed	Std.		rpm	8000 (ID)	8000 (DD)
	Opt.		rpm	Upto 10000	Upto 12000
Spindle power	Std.		kW	7.5 / 5.5 (Opt 11/7.5)	7.5 / 5.5 (Opt 11/7.5)
Feed					
Cutting feed			mm/min	1-10000	1-10000
Rapid traverse			m/min	40 / 40 / 40	24 / 24 / 24
Automatic Tool Changer					
No. of tools				24	24
Tool diameter			mm	80	80
Tool weight Max.			Kg	8	8
Tool length Max.			mm	250	250
Tool change system				Twin Arm	Twin Arm
Chip to chip time			sec	4.5	5.2
Accuracy(As per ISO 230-2)					
Positioning accuracy			mm	0.010	0.010
Repeatability			mm	±0.003	±0.003
Control System					
Fanuc				0iMF+	0iMF+
Siemens				828D	828D
Mitsubishi				M80	M80
Installation data					
Machine weight – Net			Kg	3800	3800
Machine WxDxH			m	2.1x2.9x2.7	2.1x2.9x2.7

*All Specifications are subject to change without prior notice.

End to End Solutions

From the planning stage to Production

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

Applications

- Die Mould
- Aerospace
- Engineering Components
- Medical



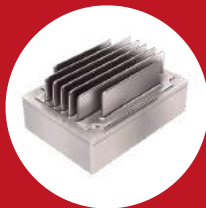
Engine Cover Die



Mouse Mould



Pump Housing



Heat Sink



Ortho Components

Contact Us



Leading Manufacturers of Machining Centers

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