

- **3-axes high rigidity & precision roller guide ways.**
- **Direct driven spindle makes excellent finishing surface with low noise and low vibration.**
- **Rapid traverse speed X.Y.Z 48 m/min. (FANUC Z 32m/min)**
- **High accuracy.**
- **Full enclosed splashguard for elegant outlook.**
- **Wide door open design, easy access to working-piece.**



#### **OUTSTANDING STRUCTURE**

- MEEHANITE cast iron for all major machine parts.
- Box type headstock construction provides outstanding cutting capability.
- Heavy duty roller guide ways with wide spacing.
- Direct driven on 3-axes ball screw.
- Working surface 800x400mm.



#### **SPIRAL TYPE CHIP CONVEYOR**

- Standard spiral type chip conveyor in the middle removes chips out easily.



- **TWO INDEPENDENT PUMPS ENSURE EFFICIENT COOLING ON WORK PIECE AND STRONG CHIP FLUSHING DURING MACHINING.**



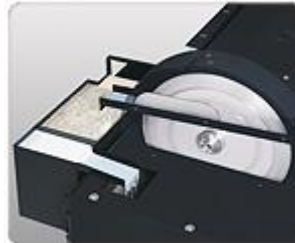
#### PRECISION HABD SCRAPING

- Hand scraping and precision grinding ensure stability and accuracy.



#### AUTOMATIC LUBRICATION SYSTEM

- Automatic central lubricator provides excellent lubrication to all guide way blocks and ball screw.



#### OIL SKIMMER (OP)

- Steel wiper Oil skimmer can easily separate the oil from coolant water.

### SPECIFICATION

MODEL	V700
<b>Travel</b>	
X-Axis	700 mm(27.5")
Y-Axis	400 mm(15.7")
Z-Axis	550 mm (21.6") / 650 mm (25.5") (Option)
Spindle nose to table	150~700 mm (5.9~27.5") / 150~800 mm (5.9~31.4") (Option)
<b>Table</b>	
Table size	800 mm x 400 mm (31.5~15.7")
Floor to table	858 mm (33.77")
Max. table loading capacity	250kgs (551 Lbs)
T-slot (number x width x pitch)	3 x 18 mm x 100 mm(3x0.7" x 3.93")
Spindle center to column	500 mm (19.68")
<b>Feed system</b>	
Rapid traverse speed	X/Y/Z: 48 / 48 / 32 M/min
Feed motor (FANUC)	X/Y : 1.8kW, Z: 3.0kW
Ball screw diameter & pitch	X: 32mm / 16mm (1.26/0.63") Y: 32mm / 16mm (1.26/0.63") Z: 32mm / 16mm (1.26/0.63")
Cutting feed rate	1~10000 mm/min
Type of transmission	Direct Drive
<b>Spindle</b>	
Type of tool shank	BT 40 / CAT 40 / DIN 69871A
Max. spindle speed	10000 rpm / 12000 or 15000 rpm (Option)
Spindle motor	5.5 / 7.5 kW
Type of transmission	Direct Drive
<b>ATC</b>	

Tool storage capacity	24 T
ATC type	Arm Type
Max. tool diameter	80 mm (3.14")
Without adjacent tool	150 mm (5.9")
Max. tool length	250 mm (9.84")
Max. tool weight	7 kg (14.14 Lbs)
Tool changing time (Tool to Tool)	2.0 sec
Tool changing time (Chip to Chip)	4.6 sec
Method of tool selection	Random selection
	bi-directional magazine rotation
Tool display	None
Special tool management	Yes (except FANUC 0I-Mate D)
<b>Coolant system</b>	
Coolant tank size	200 L
Coolant capacity	150 L / min
Chip Flush capacity	150 L / min
<b>Machine size</b>	
Machine height	2770 mm (84.4")
Floor space	1900 x 2284 mm (74.8" x 89.92")
Weight	3690 kgs (81.33 Lbs)
<b>Power source</b>	
Electrical power supply	20 KVA / 3 PH , 220V 50/60HZ
Compressed air supply	6.0 kgf/cm <sup>2</sup> (85psi (0.6MPa)
<b>Controller</b>	
	FANUC / HEIDENHAIN / MITSUBISHI / SIEMENS

Edition / A01

\* Specifications may different according to option accessories and are subject to change without notice.

#### Standard accessories

- Alarm light
- Working light
- Arn type ATC 24 Tools
- Automatic lubrication system
- Spindle chiller
- Spiral type chip conveyor
- 10,000 rpm spindle (Direct drive)
- Spindle coolant system
- Fixed handwheel

#### Optional accessories

- Auto door
- 4th or 4+5th axis rotary table
- Coolant through spindle system
- Door lock
- Spindle air blow
- Coolant gun
- Air gun
- Mist collection system
- Oil skimmer
- Air through spindle
- Flat type chip conveyor
- Power transformer
- Z axis travel 650mm
- Riser block 200mm