



CV-1600 Vertical machining center



MODEL		CV-1600
Travel		
X travel	mm(inch)	1600(63.0)
Y travel	mm(inch)	900(35.4)
Z travel	mm(inch)	800(31.5)
Spindle nose to table	mm(inch)	100-900(3.9-35.4)
Spindle		
Spindle speed	rpm	6000(belt)
Automatic tool changer		
Tool number	no.	24
Max tool diameter	mm(inch)	240(9.4)
Max tool length	mm(inch)	305(12.0)
Max tool weight	kg(lb)	15(33.1)
ATC type		ARM
Tool shank		BT/CAT#50
Motor		
Spindle motor (cont./30min.rated)	kw(hp)	15/18.5(20/25)
X/Y/Z servo motor	kw(hp)	3.5/3.5/3.5(4.7/4.7/4.7)
Table		
Table size	mm(inch)	1700x850(66.9x33.5)
Max load capacity	kg(lb)	2000(4410)
T-slot (No. x Width x Distance)	mm(inch)	7x18x100(7x0.7x3.9)
Rapid speed		
X rapid speed	M/min(fpm)	20(65.6)
Y rapid speed	M/min(fpm)	20(65.6)
Z rapid speed	M/min(fpm)	15(49.2)
Cutting Feedrate	mm/min(ipm)	1-8000(0.04-315)
Controller		
Mitsubishi		M64S
Miscellaneous		
Machine weight	kg(lb)	19000(41900)
Power requirement	KVA	40
Coolant capacity	L	500
Air source	kg/cm ² (psi)	6(85.3)

Standard accessories

- Chips auger
- Semi-enclosure guarding
- Automatic lubrication system
- Spindle coolant cooling
- Base bolt and pad
- Tools box
- Work light
- Alarm light
- M30 automatic power off
- Chips cart
- Portable air gun
- Portable water gun
- Portable handwheel
- Spindle air seal system
- Mechanical, electrical, operation manuals
- Rigid tapping
- Cabinet heat exchanger
- Mechanical oil-coolant separator
- Automatic tool changer
- Automatic lubrication system
- Telescopic covers

Optional accessories

- Full enclosure guarding
- Spindle programmable air blow
- Fanuc/Mitsubishi/Siemens controller
- Wash-down system
- 4th axis rotary table
- 8000rpm/10000rpm spindle
- Linear scale
- Spindle oil cooling system
- Tool probe system
- Touch sensor system
- Deep drill tools holder
- Disc oil-coolant separator
- Coolant through spindle
- Coolant through ballscrew
- BT/CAT #40 tool system
- ZF gear box
- Arm type ATC 32 tool stations
- Chip conveyor
- Programmable coolant nozzle
- Linear guide way in Z axis