



## CV-600 Vertical machining center



MODEL		CV-600
<b>Travel</b>		
X travel	mm(inch)	610(24.0)
Y travel	mm(inch)	410(16.1)
Z travel	mm(inch)	540(21.3)
Spindle nose to table	mm(inch)	100-640(3.9-25.2)
<b>Spindle</b>		
Spindle speed	rpm	10000
<b>Automatic tool changer</b>		
Tool number	no.	16
Max tool diameter	mm(inch)	80(3.2)
Max tool length	mm(inch)	200(7.9)
Max tool weight	kg(lb)	7(15.4)
ATC type		Drum
Tool shank		BT/CAT-40
<b>Motor</b>		
Spindle motor (cont./30min.rated)	kw(hp)	5.5/7.5(7.5/10)
X/Y/Z servo motor	kw(hp)	1.0/1.5/2.0(1.3/2.0/2.7)
<b>Table</b>		
Table size	mm(inch)	700x400(27.6x15.7)
Max load capacity	kg(lb)	350(770)
T-slot (No. x Width x Distance)	mm(inch)	5x14x63(5x0.55x2.48)
<b>Rapid speed</b>		
X rapid speed	M/min(fpm)	36(118)
Y rapid speed	M/min(fpm)	36(118)
Z rapid speed	M/min(fpm)	24(78.7)
Cutting Feedrate	mm/min(ipm)	1-10000(0.04-394)
<b>Controller</b>		
Mitsubishi		M64S
<b>Miscellaneous</b>		
Machine weight	kg(lb)	4200(9300)
Power requirement	KVA	15
Coolant capacity	L	200
Air source	kg/cm <sup>2</sup> (psi)	6(85.3)

### Standard accessories

- Chips auger
- Full enclosure
- Telescopic covers
- Base bolt and pad
- Tools box
- Work light
- Alarm light
- Rigid tapping
- Chips cart
- Portable air gun
- Portable water gun
- Spindle air seal system
- Mechanical, electrical, operation manuals
- M30 automatic power off
- Cabinet heat exchanger
- Mechanical oil-coolant separator
- Automatic tool changer
- Automatic lubrication system
- Z axis with brake (without counterweight)

### Optional accessories

- Spindle programmable air blow
- Faucn/Mitsubishi/Siemens controller
- Wash-down system
- 4<sup>th</sup> axis rotary table
- 12000rpm / 14000rpm spindle
- Spindle oil cooling system
- Tool probe system
- Touch sensor system
- Deep drill tools holder
- Disc oil-coolant separator
- Z axis roller guide
- Arm type ATC 24 tool stations
- Chip conveyor
- Spindle splash ring
- Programmable coolant nozzle
- Portable handwheel