



## CV-1200A Vertical machining center



MODEL		CV-1200A
<b>Travel</b>		
X travel	mm(inch)	1200(47.2)
Y travel	mm(inch)	600(23.6)
Z travel	mm(inch)	675(26.6)
Spindle nose to table	mm(inch)	100-775(3.9-30.5)
<b>Spindle</b>		
Spindle speed	rpm	8000
<b>Automatic tool changer</b>		
Tool number	no.	20
Max tool diameter	mm(inch)	100(3.9)
Max tool length	mm(inch)	305(12.0)
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)	11/15(15/20)
X/Y/Z servo motor	kw(hp)	2/2/2(2.7/2.7/2.7)
<b>Table</b>		
Table size	mm(inch)	1220x620(48.0x24.4)
Max load capacity	kg(lb)	1000(2200)
T-slot (No. x Width x Distance)	mm(inch)	5x18x100(5x0.7x3.9)
<b>Rapid speed</b>		
X rapid speed	M/min(fpm)	24(78.7)
Y rapid speed	M/min(fpm)	24(78.7)
Z rapid speed	M/min(fpm)	18(59.1)
Cutting Feedrate	mm/min(ipm)	1-10000(0.04-394)
<b>Controller</b>		
Mitsubishi		M64S
<b>Miscellaneous</b>		
Machine weight	kg(lb)	8000(17600)
Power requirement	KVA	35
Coolant capacity	L	360
Air source	kg/cm <sup>2</sup> (psi)	6(85.3)

### Standard accessories

- Chips auger
- Full enclosure
- 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

- Spindle programmable air blow
- Fanuc/Mitsubishi/Siemens controller
- Wash-down system
- Z axis with linear guide way
- 10000rpm/12000rpm/14000rpm spindle
- Arm type ATC 24/32 tool stations
- Spindle oil cooling system
- Disc oil-coolant separator
- Coolant through spindle
- Coolant through ballscrew
- Tool probe system
- Touch sensor system
- Deep drill tools holder
- ZF gear box
- X/Y/Z roller guide
- Linear scale
- Z axis with brake (without counterweight)
- Spindle splash ring
- 4<sup>th</sup> axis rotary table