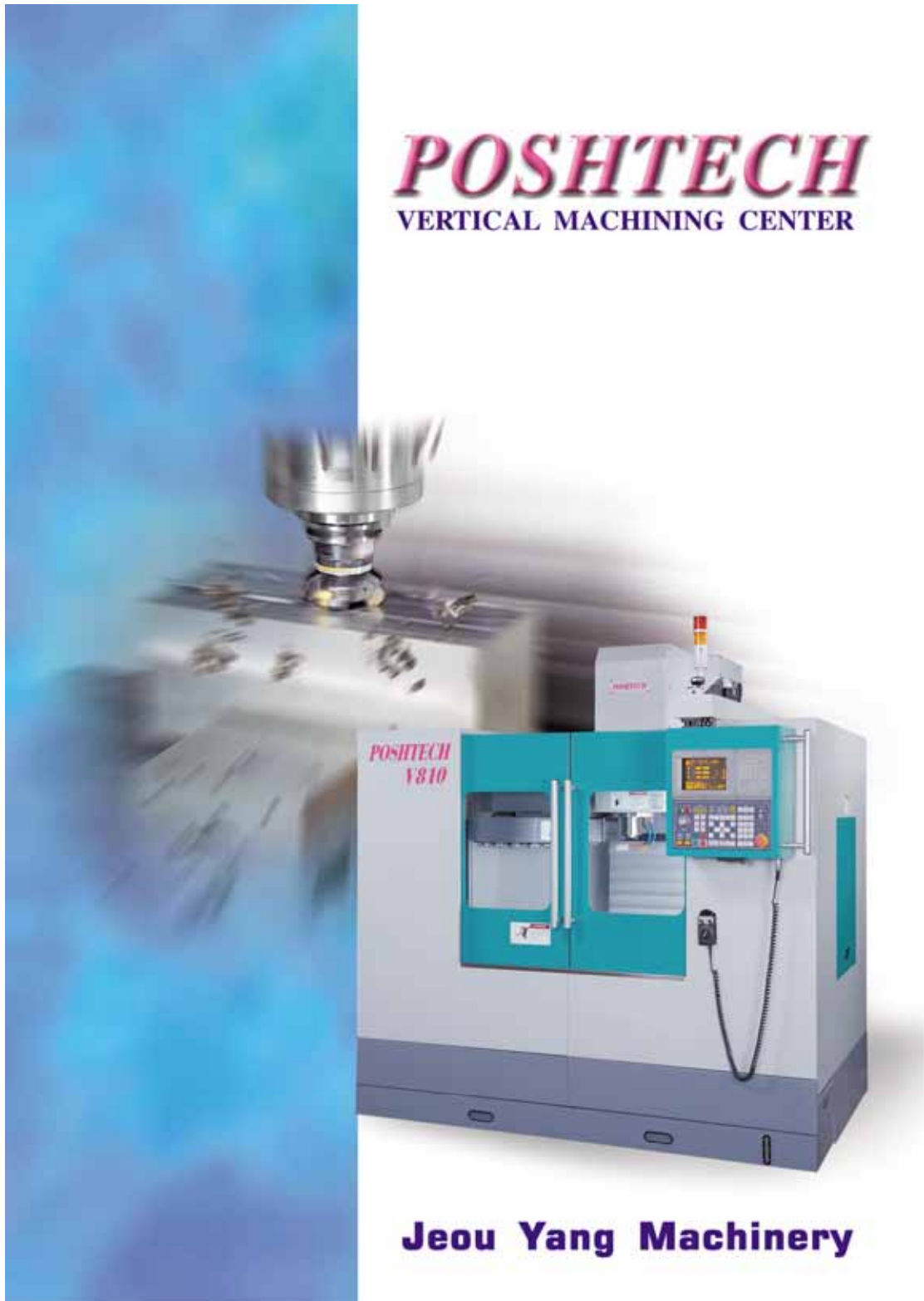


POSHTECH

VERTICAL MACHINING CENTER



Jeou Yang Machinery

Machine Structure



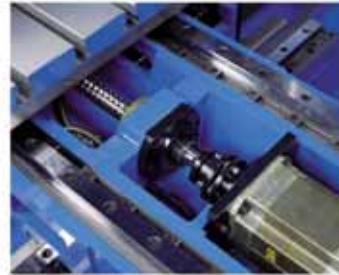
- * Cast iron is used for all main components, including base, saddle, table, column and head stock which provides more damping capacity and stability.
- * High precision and premium quality P class linear guideways with wide blocks to ensure high accuracy and rigidity under high speed running.
- * Lubricant and coolant are treated separately.

High Precision Spindle



- * The spindle runs on P4 class precision angular contact ball bearing for high precision running performance.
- * The high speed precision spindle offers maximum rigidity and stability for high speed cutting.

Directly Coupled Servo Motor



- * Servo motors are directly coupled to the ballscrews with high quality couplings to eliminates any inaccuracy.
- * As a result, comers are cut more sharply, hole interpolation is more precise, and positioning accuracy is greatly improved over the belt or rubber couple.

Control Panel



- * Easy to operate the user friendly control panel.

Electric Cabinet



- * Cabinet wirig and build designed to meet CE Regular.
- * Enough space to reduce the thermal effet.

Laser Inspection



- * The geometric errors of machinery axial movement including linear positioning-accuracy, pitch error and backlash can be precisely measured by laser inspection.

Ball Bar Inspect



- * Ball bar test identify accuracy and geometric errors as well as the servo gain statistically and dynamically, making it possible circular path in the working plane.

Chip Cleaner



- * Standard chip clean system at both sides of bed to wash chips to the chip pan.

NASA Test Cutting



- * NASA Test Cutting identified accuracy and geometric with the Machine, checked the workpiece via the 3-D Detector.

High Speed Mechining



- * The Poshtech Machine lets you specified accuracy required for different parts within the easy job and make a work picec with High-Speed machining.

Coolant Through Spindle



- * The C.T.S. system (option) provides 20 bar high pressure of coolant fluid spray, preventing interference of chips and heat.
- * Two type can be chosed .
Form A (only for DIN, CAT tool system)
Form B

Auto Tool Probe



- * The tool probe option incorporates our easy to use tool probe with macros, this package enables all poshtech's machine to automatically update tool offsets.

16/20/24-Tool Armless Type ATC



- * Simplified magazine construction, easy maintenance and trouble-free operation.
- * The change time is 7 sec (T to T), 14 sec (chip to chip)

24-Tool Arm Type ATC



- * Arm Type ATC is pneumatically activated and transmitted by Roller-gear Cam mechanism.
- * The change time is 2.5 sec (T to T), 7 sec (chip to chip)

C.T.S. Sub-Tank



- * Extra coolant tank is equipped with C.T.S., to supply sufficient circulation of coolant, removing the over heating that can occur on tools and parts when machining.

Poshtech Series



Specification		V610	V810	V1100
Table size (X/Y)	mm	800 x 510	1000 x 510	1250 x 610
Travel range (X/Y/Z)	mm	610 x 510 x 510	810 x 510 x 510	1100 x 610 x 610
Distance of spindle nose to table surface	mm	150 - 660	150 - 660	150 - 760
Distance of spindle center to cover surface of column	mm	540	540	650
Spindle taper		BT40/CAT40/SK40	BT40/CAT40/SK40	BT40/CAT40/SK40
Spindle speed	rpm	8000	8000	8000
Rapid feed rate (X/Y/Z)	M/min	30/30/30	30/30/30	30/30/24
Ball screw in all 3 axes		Ø 36mm, pitch 10	Ø 36mm, pitch 10	Ø 40mm, pitch 10
Feed rate (X/Y/Z)	mm/min	10,000	10,000	10,000
Spindle motor cont/15min	kw	7.5/11	7.5/11	11/15
Servo motor in axes	kw	1.8/1.8/2.5	1.8/1.8/2.5	2.5/2.5/2.5
A.T.C.		Armless/Arm type	Armless/Arm type	Armless/Arm type
Tool storage capacity	pcs	20/24	20/24	24/24
Max. tool diameter	mm	80	80	80
Max. tool weight	kg	7	7	7
Max. tool length	mm	250	250	250
Air requirement	kg/cm ²	6	6	6
Machine weight	kg	4500	5500	6500

** Specification is subject to be changed without notice

Standard Accessories:

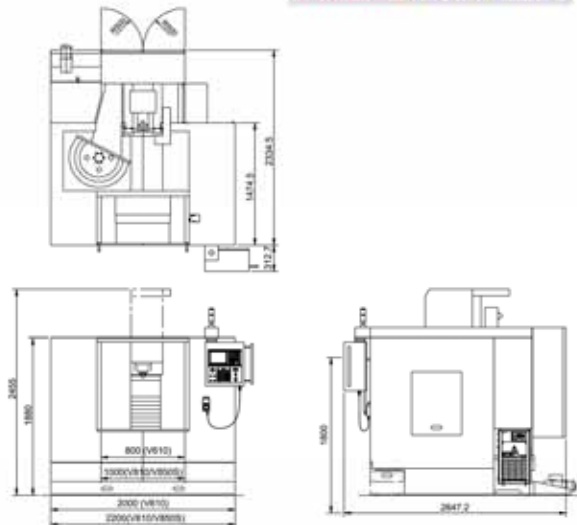
- * Massive cast-iron construction
- * High-capacity cartridge spindle
- * 8000rpm spindle speed
- * Rigid tapping
- * Double-anchored ballscrews
- * Direct-coupled servo motors
- * Auto tool changer
- * Full splash safety guard
- * Cooling system
- * Chip flushing system
- * Spindle air blast (Taper)
- * Spindle air blower
- * Auto lubrication system
- * Oil/Water separate design
- * Cycle end alarm light
- * Halogen work lamp
- * Heat exchanger for electric cabinet
- * Leveling blots and pads
- * Toolkit box
- * Operation & Maintenance Manual

Optional Accessories:

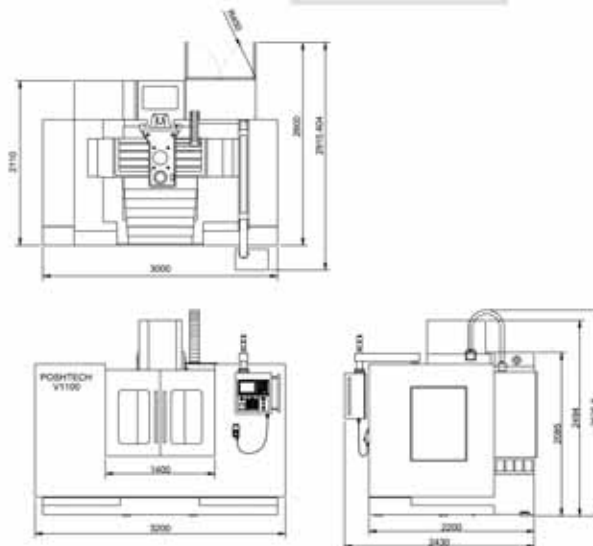
- * 12000/15000rpm spindle speed
- * Coolant through spindle
Motor 20 Bar., 30 ℓ/min, 600L
- * Oil cooler for spindle
- * Chip conveyor
- * Auto Pallet Changer
- * HSK spindle
- * CNC Rotary table
- * Auto tool length measurement

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Poshtech V610 / V810 :



Poshtech V1100 :



Agent