

Model VX-14i

Travel	X - Axis Travel	1400mm
	Y - Axis Travel	750mm
	Z - Axis Travel	700mm
	B - Axis Travel	+ 30° ~ -120°
	C - Axis Travel	360°
	Spindle Nose To Table (Vertical)	20-720mm
	Spindle center to table surface (Horizontal)	260-960mm
Table	Table Size	1500mm X 750mm
	T - Slot (number*width*pitch)	7 X 18mm X 100mm
	Maximum Table Load	800kg
B-Axis	Spindle Taper	HSK 63A
	Type Of Driving	Built-In Type
	Spindle RPM	18000rpm
	Indexing Accuracy	20 sec
	Repeatability	4 sec
C-Axis Table	Table Size	ø500
	Indexing	0.001°
	Drive method	Worm Drive
	Maximum RPM	22.2 RPM
Feed Rate	X. Y. Z Axis Rapid Feed Rate	30m/min
	X. Y. Z Max.Cutting Feed Rate	10m/min
Automatic tool changer	Arm Type (Tool to Tool)	24T (3sec)
	Max. Tool Diameter*Length (Adjacent)	Φ150 X 300mm (Φ78X 300mm)
	Max. Tool Weight	8 kg
Motors (Siemens)	Spindle Motor (RATED / MAX)	24 kW
	X. Y. Z Axis Servo Motor	3.14 kW
	B Axis Servo Motor	3.14 kW
	C Axis Servo Motor	3.25 kW
Machine Accuracy	Positioning Accuracy (JIS)	± 0.005mm / 300mm
	Repeat Poitioning Accuracy (JIS)	± 0.003mm
Other	Approximate Weight	11000kg
	Floor Space Measurement	4200mm X 3200mm X 3000mm

★ SPECIFICATIONS SUBJECT TO CHANGED WITHOUT PRIOR NOTICE. THANKS!

Standard Accessories

SIEMENS 840D sl 10.4" LCD screen
 Arm type ATC (24T)
 Spindle coolant system
 Heat exchanger for control cabinet
 Chip flush/Back chip flush
 Auto lubrication system
 Auto power off/Rigid tapping
 Work lamp/Three color light
 Air blast through spindle
 RS232 interface
 CF card interface
 Remote manual pulse generator (MPG)
 High pressure coolant & air gun
 Leveling screws with blocks
 Tool box & tool
 Full splash guard
 System operation and procedures manual
 Machine manual

Optional Accessories

Chain type chip conveyor with cart
 Tool length measurement system
 Coolant through spindle (30bar/50bar)
 Three axis optical scale (HEIDENHAIN)



VX Series

ECOM 5-Axis, the most efficient & intelligent machining concept for multi-sided high-performance machining, increase productivity, flexibility and repeatability.

ECOM 5-Axis



ECOM TAIWAN

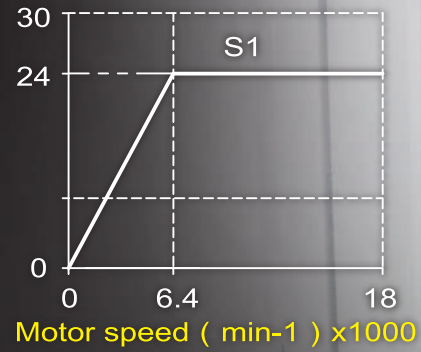
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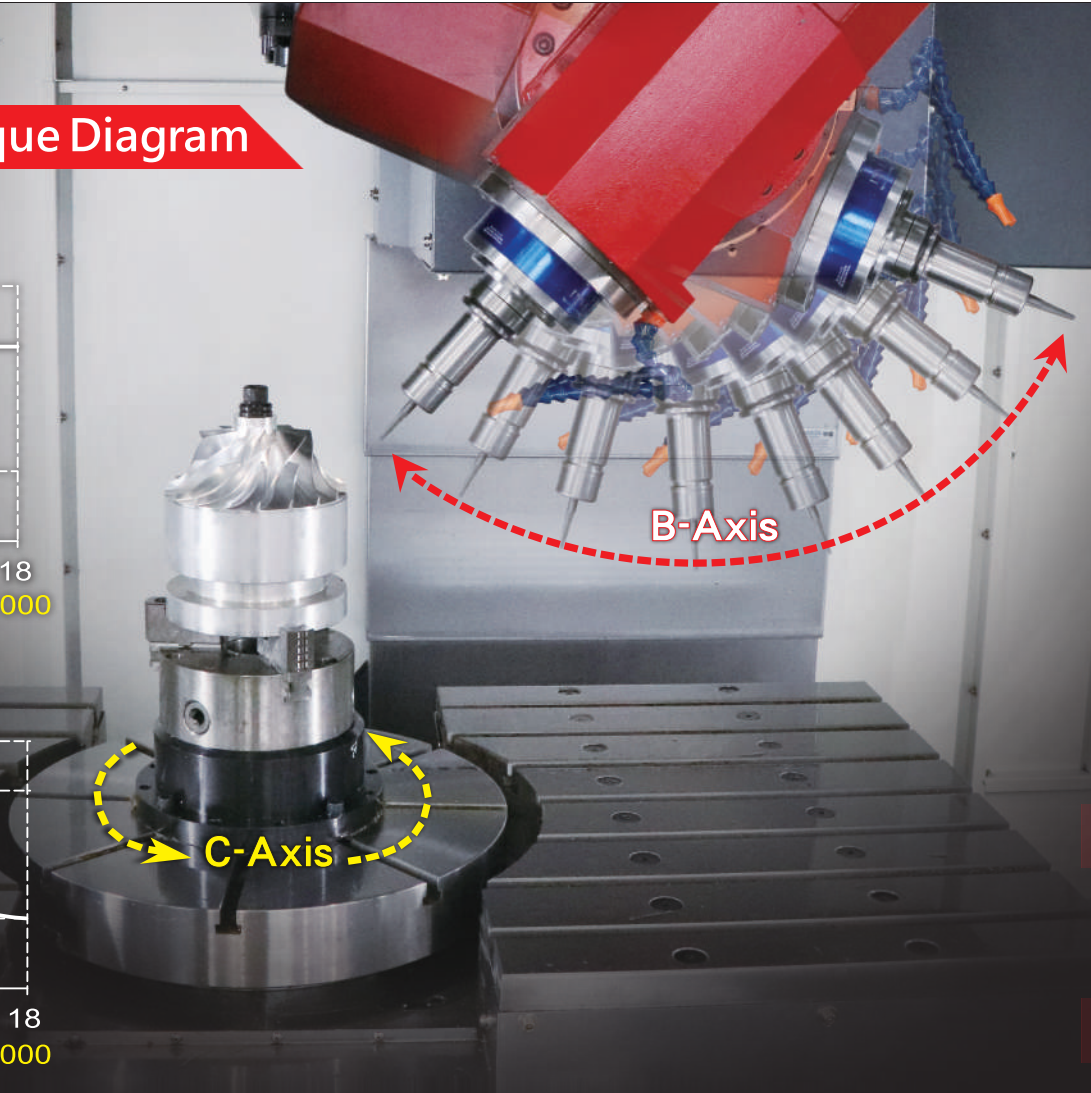
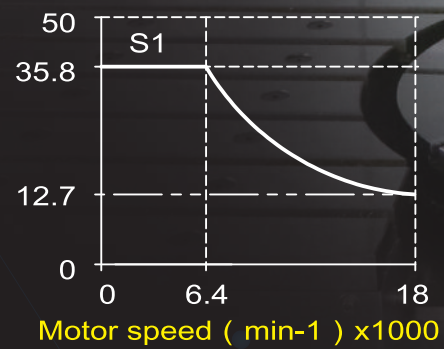
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Spindle Motor Torque Diagram

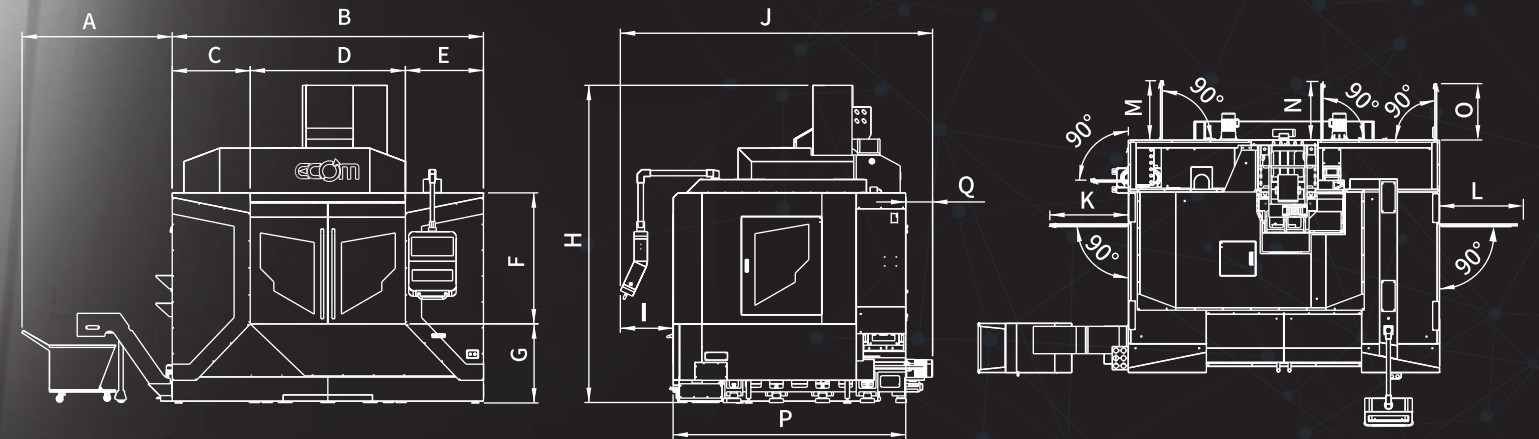
Power (kW)



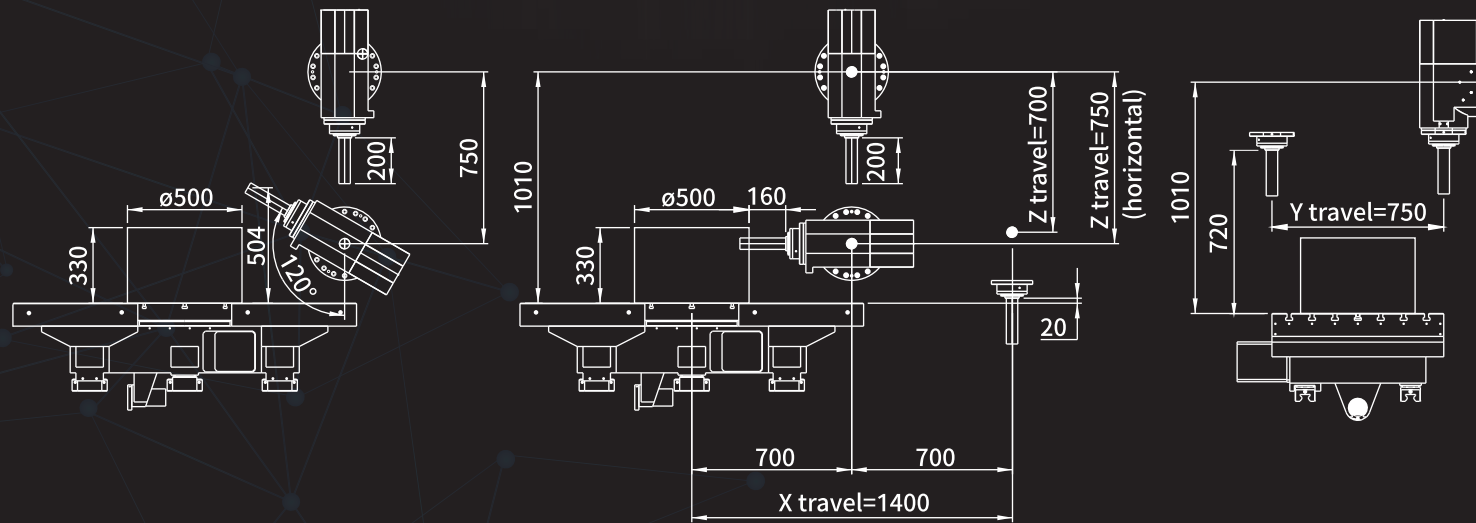
Torque (Nm)



MODELS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
VX-14i	1675	3470	870	1730	870	1460	880	3535	585	3480	875	875	660	650	630	2595	300



Processing Range



C-axis Rotary Table

The fully automatic 0.001° indexing from vertical to horizontal positions through a torque motor. Multi-Sided machining without resetting the work-piece.

B-axis Continuous Swivel Milling Head

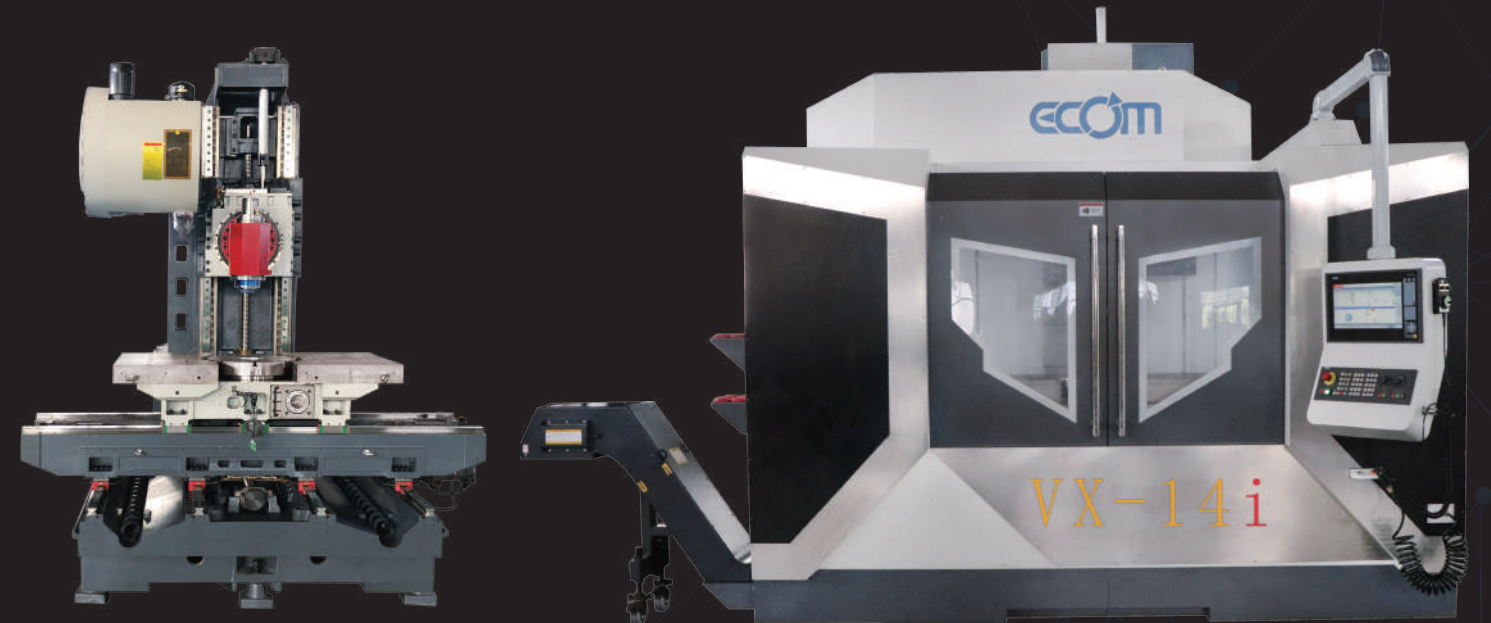
By Roller Cam system, it assures the maximum dynamic moment and linearity. The B-Axis changes from vertical to horizontal machining in just seconds.

BallScrews

The high precise & rigid Ø45 / 45 / 45 mm diameter ballscrews on 3 axes, driven by powerful AC servo motors, directly coupled by couplings provides the utmost results in high speed cutting.

Roller Guideways

The high rigid & heavy duty 45 mm roller type linear motion guideways on 3 axes to provide low starting inertia, low friction and high acceleration, rates optimizing servo drive and ensure machine response immediately & precisely.



3+2 Advantages

- ⊙ Offers an extra flexibility.
- ⊙ Manufacture of complex components with a single set-up.
- ⊙ Reduce the chance at scrap of making mistake and wasting time.
- ⊙ 5-sided machining without additional fixture.
- ⊙ Increased accuracy and shorter cycle time.