

Model VX-11i VX-14i

Travel	X - Axis Travel	1100mm	1400mm
	Y - Axis Travel	650mm	750mm
	Z - Axis Travel	600mm	700mm
	B - Axis Travel	+ 30° ~ -120°	+ 30° ~ -120°
	A / C - Axis Travel	360°	360°
	Spindle Nose To Table (Vertical)	50-650mm	20-720mm
	Spindle Center to Table Surface	340-940mm	260-960mm
Table	Table Size	1200 X 600mm	1500 X 750mm
	T - Slot (number*width*pitch)	5 X 18 X 100mm	7 X 18 X 100mm
	Maximum Table Load	800kg	800kg
B-Axis	Spindle Taper	HSK 63A	HSK 63A
	Type Of Driving	Built-In Type	Built-In Type
	Spindle RPM	18000rpm	18000rpm
	Indexing Accuracy	10 sec	20 sec
	Repeatability	6sec	4 sec
A/C-Axis Table	Table Size	ø250	ø500
	Indexing	0.001°	0.001°
	Drive Method	Worm Drive	Worm Drive
	Maximum RPM	60 RPM	22.2 RPM
	Maximum Table Load	180kg (Vertical) / 360kg(Horizontal)	800kg
Feed Rate	X, Y, Z Axis Rapid Feed Rate	30m/min	30m/min
	X, Y, Z Max.Cutting Feed Rate	10m/min	10m/min
Automatic Tool Changer	Arm Type (Tool to Tool)	24T (4.5sec)	24T (3sec)
	Max. Tool Diameter *Length (Adjacent)	Φ150 X 300mm (Φ78X 300mm)	Φ150 X 300mm (Φ78X 300mm)
	Max. Tool Weight	8 kg	8 kg
Motors (Siemens)	Spindle Motor (RATED / MAX)	18.5 kW	24 kW
	X, Y, Z Axis Servo Motor	5.5 kW	3.14 kW
	B Axis Servo Motor	3.3 kW	3.14 kW
	A / C Axis Servo Motor	1.8 kW	3.25 kW
Machine Accuracy	Positioning Accuracy (JIS)	± 0.005mm / 300mm	± 0.005mm / 300mm
	Repeat Poitioning Accuracy (JIS)	± 0.003mm	± 0.003mm
Other	Approximate Weight	7100kg	11000kg
	Floor Space Measurement	3380X 3440 X 3000mm	4200X 3200 X 3000mm

★ SPECIFICATIONS SUBJECT TO CHANGED WITHOUT PRIOR NOTICE. THANKS!

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Standard Accessories

SIEMENS 828D sI10.4"LCD screen (VX11i)
SIEMENS 840D sI10.4"LCD screen (VX14i)
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
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)



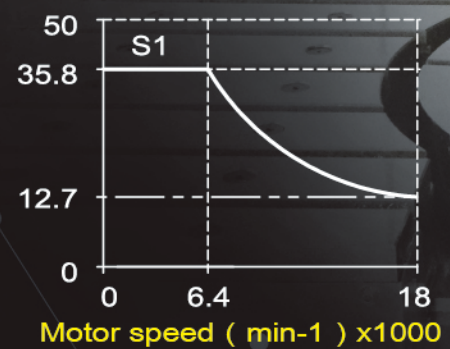
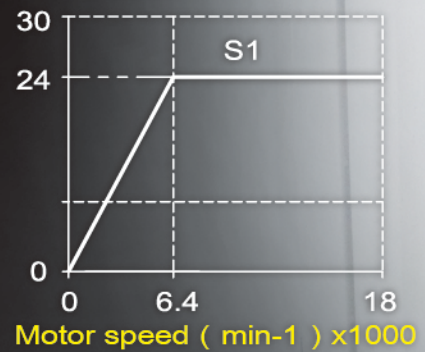
VX Series

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

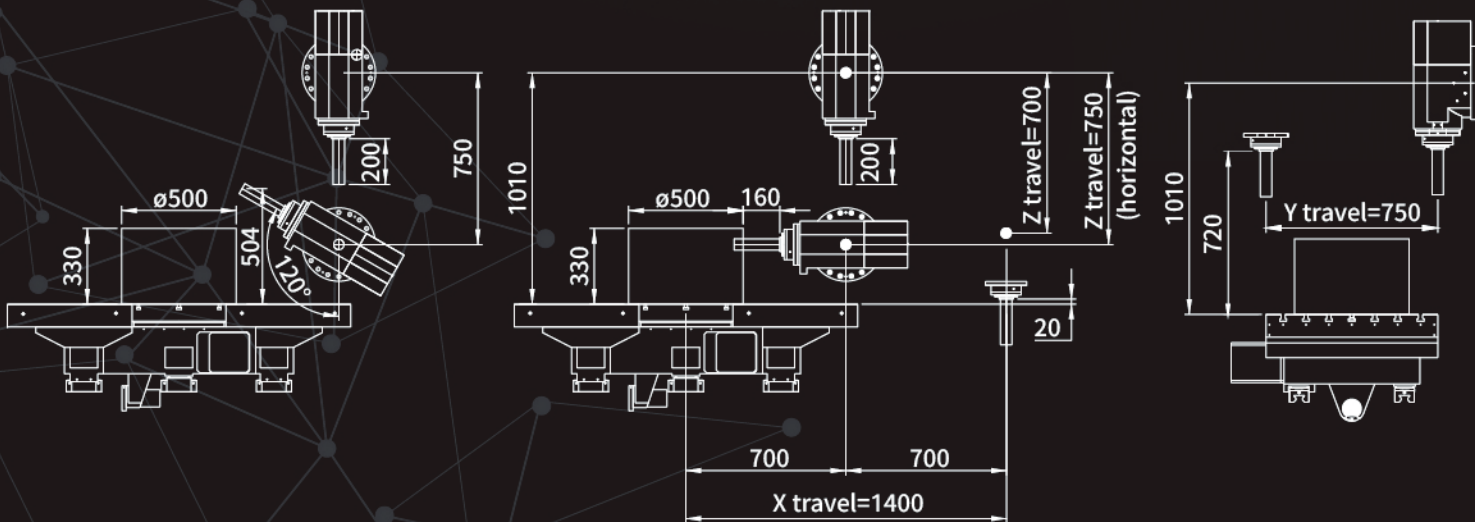
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Spindle Motor Torque Diagram



Processing Range



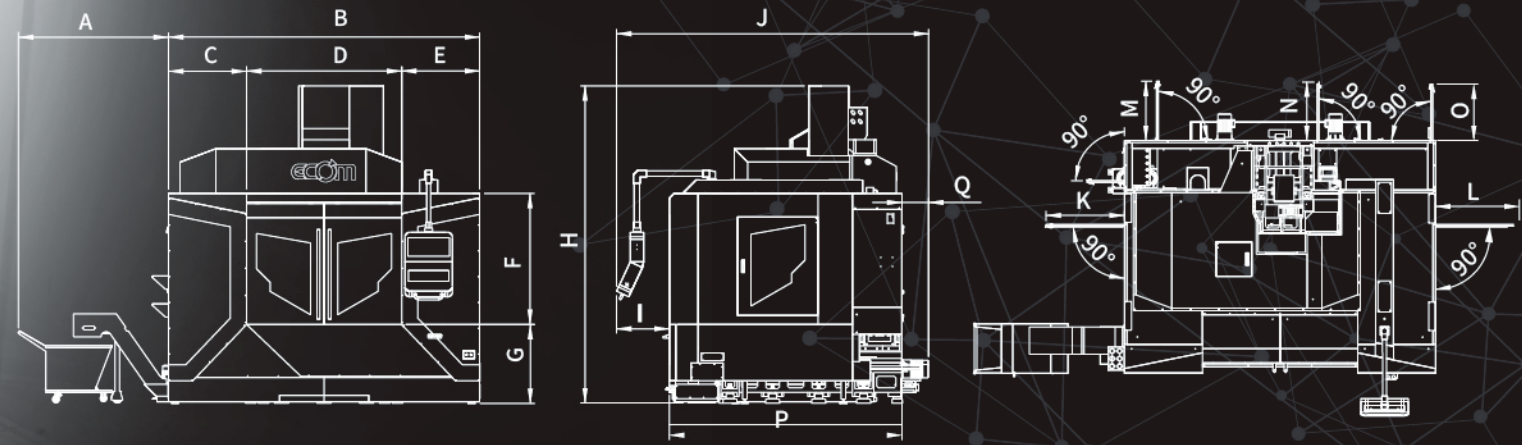
C-axis Rotary Table

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.

MODELS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
VX-11i	1746	2859	728.5	1402	728.5	1357	861	3122	609	3222	690	690	486.5	517	543.5	2427	186.5
VX-14i	1675	3470	870	1730	870	1460	880	3535	585	3480	875	875	660	650	630	2595	300

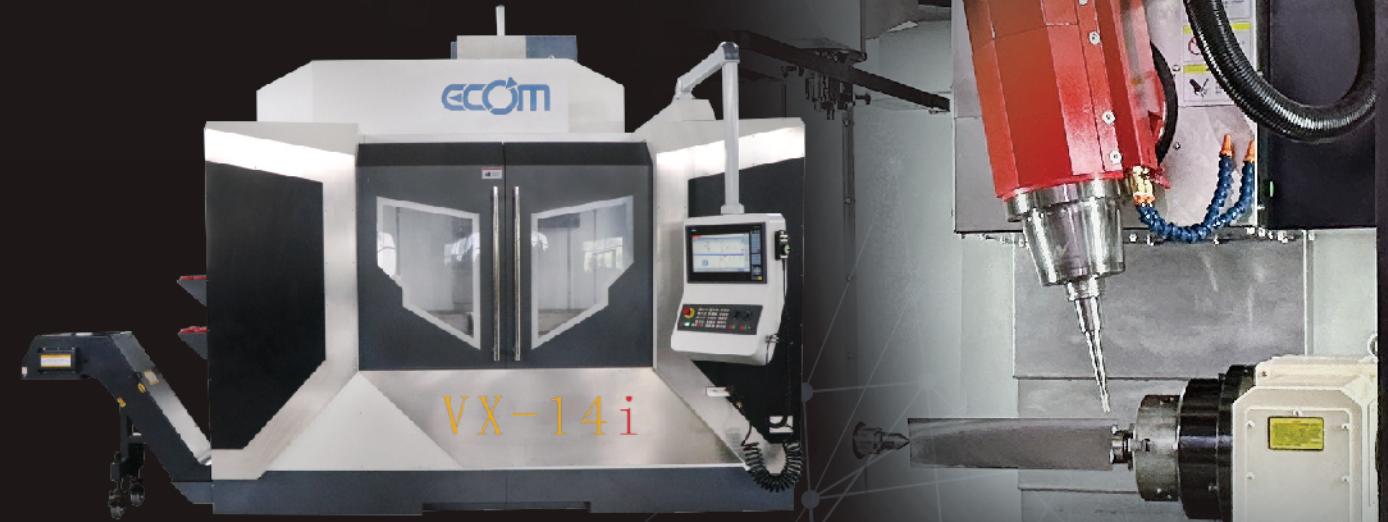


BallScrews

The high precise & rigid Ø40 /40 /40mm (Ø45 /45 /45mm) 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.