

FX Series

FX350A

HIGH SPEED 5-AXIS VERTICAL MACHINING CENTER



FX-350A 5 axis vertical machining centre with powerful Heidenhain iTNC530 control, offers 5-axis simultaneous machining capability ideal for complex aerospace, electronic and automotive components.

With IDD spindle and optimal structural design, machining vibration is minimized to achieve best machining results and accuracy.



SPECIFICATIONS

SPINDLE

Motor	SIEMENS
Spindle Power / Max. Speed	22.5kW (30hp) / 12,000rpm

TRAVEL

X,Y,Z Axis	700mm (27.56"), 520mm (20.47"), 480mm (18.90")
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TABLE

Table Size / T-Slots	ø350mm (13.78") / 12mm (0.47") Radial
Diameter of Table Hole	ø80mm (3.15")
Max. Load	200kg (440lb.)

A/C Axis

A Axis (Tilt)	155° (+30° / -125°)
C Axis (Rotary)	360°
A/C Axis Feed Rate	22.2rev/min / 33.3rev/min
A/C Positioning Accuracy	50 sec. / 20 sec.
A/C Repeatability Accuracy	6 sec. / 4 sec.

FEED RATE

Rapid Feed Rate	X,Y: 36m/min (1417ipm), Z: 24m/min (945ipm)
Cutting Feed Rate	1~10000mm/min (394ipm)
Max. Axial Thrust Force	X:1489kgf.m (10,770ft.lbf), Y,Z: 2400kgf.m (17,359ft.lbf)

ATC

Tool Type	BBT-40
Maximum Tool Weight	6kg./each (13.2lb.)
Maximum Tool Dimension	ø76x280mm (ø3"x11.02")
Tool Magazine Capacity	30

ACCURACY

	ISO 107914-4	JIS B 6338 (300mm)
Positioning	0.010mm (0.00039")	0.003mm (0.00012")
Repeatability	0.007mm (0.00028")	±0.002mm (±0.00008")

GENERAL

Power Requirement	380V, 3 Phase, 50Hz
Power Consumption	46kVA
A/C Axis Feed Rate	5.5kg/cm ²
Machine Weight	5860kg. (12,919lb.)

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms,...etc. to improve the performance of the machine without notice. All the specifications shown above are just for reference.

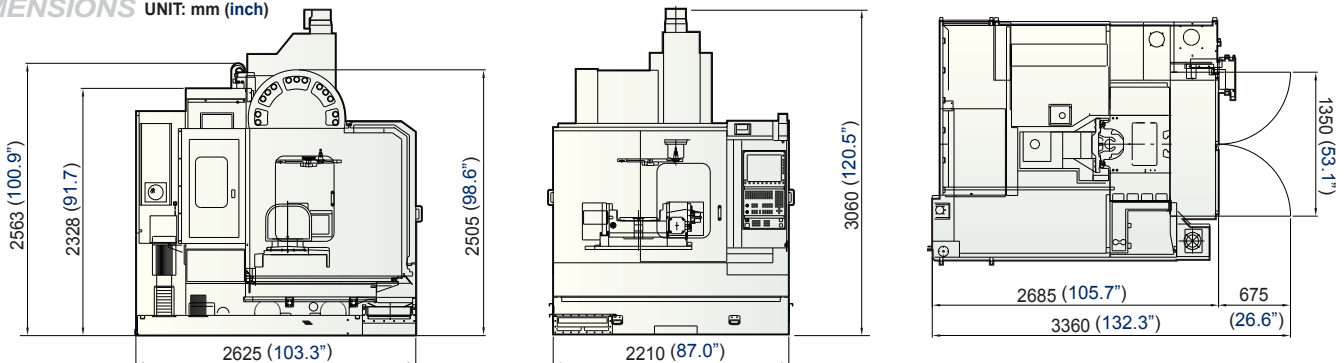
STANDARD ACCESSORIES

- Tool Kit
- Work Lamp
- Pilot Lamp
- Coolant Equipment System
- Hydraulic System
- Spindle Air Blast
- Spindle Air Seal
- Guideway Cover on X,Y,Z
- Central Lubrication System
- Spindle Cooling System
- Oil Skimmer
- Leveling Blocks
- Chip Enclosure
- Cutting Air Blast
- Coolant Gun
- Heat Exchanger for Electrical Cabinet
- Rigid Tapping
- Mechanical, Electrical & Operation Manuals

OPTIONAL ACCESSORIES

- Safety Door
- Optical Scale on X, Y, Z axis
- Foundation Bolt
- Chip Conveyor
- Chips Flush Coolant Device
- Oil-Mist Coolant System
- Oil Hole Holder
- A/C Cooler for Electrical Cabinet
- Work Piece Measurement System (RENSHAW MP-10)
- Coolant Through Spindle System (Form A)
- Heavy Duty Coolant Pump (MTH 2-40)

DIMENSIONS UNIT: mm (inch)



ISO14001 CERTIFIED MANUFACTURE

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