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AX Series
CNC Turnmill Center



Technical Specification

AX 300

Capacity

Swing Over Bed	mm	675
Swing Over Carriage	mm	350
Max. Turning Dia.	mm	420
Max. Turning Length	mm	600

Slides

X-Axis Travel (Cross)	mm	250
Y-Axis Travel	mm	±50
Z-Axis Travel (Longitudinal)	mm	625
Rapid Feed (X / Y / Z Axis)	m/min	24 / 24 / 30

Main Spindle

Spindle Motor Power (Cont.)- Siemens	kW	28
Spindle Speed Range	rpm	4000
Spindle Bore	mm	75
Spindle Nose		A ₂ 8
Max. Bar Capacity	mm	65

Sub Spindle (Optional)

Spindle Motor Power (Cont.) -Siemens	kW	16.8
Spindle Speed Range	rpm	5000
Spindle Bore	mm	62
Spindle Nose		A ₂ 6

Turret

No. of Stations		12
No. of Driven Stations		12
Live Tool Holder		VDI 40
Max. Live Tool Speed	rpm	4500
Max. Boring Bar Dia.	mm	50
Live Tool Motor Power	kW	5.7

Accuracy (As Per VDI/DGQ3441)

Positioning Uncertainty (P) (X, Y & Z Axis)	mm	0.007
Repeatability (Ps Medium) (X, Y & Z Axis)	mm	0.005

Other Data

Machine Weight (Approx.)	Kg	6500
Machine Dimension (Approx.) :		
Length	mm	3670
Width	mm	2000
Height	mm	2210

Note : • All above information is subject to change arising out of continuous product improvement without notice.
• The description 'standard accessories / feature' conforms to its list; not the photo of machine shown in the catalogue.

Control System

The CNC System offered with the AX Series machine is the latest digital control from SIEMENS 828 D

Standard Features

- Ac Built-in Spindle Drive
- AC SERVO Digital Drive
- Monoblock Structure
- L. M. Guideways
- Hyd. Chucking
- Bi-Directional High Speed Live Tool Turret
- Auto & Manual Coolant System
- Centralised & Programmable Lubrication
- Laser Calibrated Axis for Highly Precise Positioning Accuracy and Repeatability
- Electricals with Quality Devices & Panel with A. C.

Productivity Improving Options

- Chip Conveyor
- Sub Spindle
- Bar Feeder
- Steady Rest
- Automatic Tool Setting
- Digital Tailstock
- Linear Glass Scale
- Tool Through Coolant
- Auto Door
- Bar Puller
- Live Quill (Built-in Revolving Center)
- Automatic Loading Unloading System
- Fully Toolled up Solution to Meet Customer Needs
- Manual Guide i (Fanuc)
- Shop Turn (Siemens)
- Easy SMS System (Siemens)

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