



HORIZONTAL TURNING CENTER

Machine Features

- Rigid slant bed design for easy chip disposal
- Precision LM Guideways on both the axes
- High speed spindle with cartridge type design
- Bi-directional tool turret (8 station)
- Tailstock with hydraulic quill actuation
- Rapid rate of 15 m/min on both axes
- Compact foot print suitable for cell manufacturing layout
- Automatic centralized oil lubrication
- Easy Maintenance

Standard Accessories

- Hydraulic power operated chuck
- AC unit for electrical cabinet
- Rigid tapping facility
- Basic hydraulic system
- Drain line hydraulic oil cooler
- OD tool holder clamping block (8 nos)
- Boring bar holder (4 nos)
- Facing tool holder (2 nos)
- Set of sleeves
- 3 tier lamp

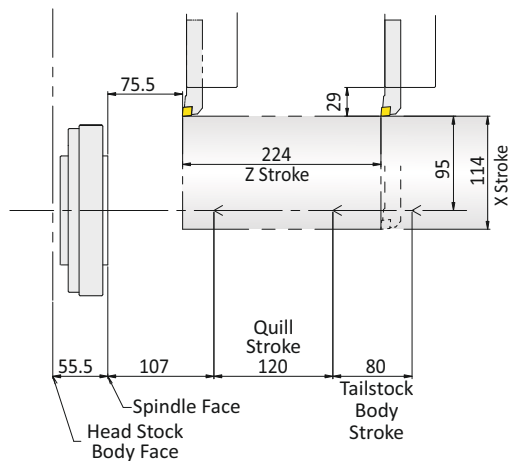
Optional Accessories

- Voltage stabilizer - 15 kVA
- Chip conveyor (Rear mount)
- Programmable quill
- TPM-Trak® real time OEE productivity monitoring system

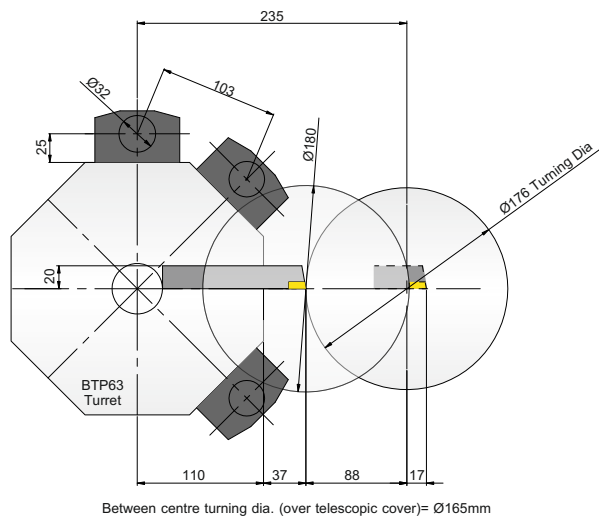
THINK Turning®
Ace Designers



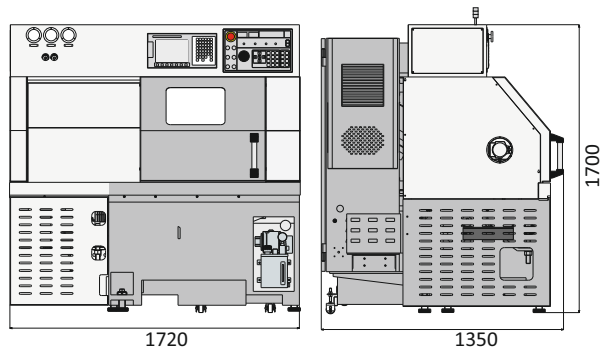
Machining Range



Interference Diagram



Overall Views



All Dimensions are in mm

Specifications

Apollo

CONTROL SYSTEM	Units	Fanuc / Siemens
CAPACITY		
Swing Over Bed	mm	Ø425
Distance Between Centers ¹	mm	250
Maximum Turning Dia	mm	Ø176
Between Centre Turning Dia	mm	Ø165
Maximum Turning Length ²	mm	224
SPINDLE		
Spindle Nose		Flat Nose Ø110
Bore Through Spindle	mm	36
Front Bearing Bore	mm	60
Maximum Bar Capacity ³	mm	25
Maximum Spindle speed ³	rpm	4000
Spindle Motor Power [(F)15 min / (S)S6-40% Rating]	kw	5.5
Spindle Motor Power (Continuous Rating) (F/S)	kw	3.7
Full Power Range (F/S)	rpm	1333-2333/1000-4000
Standard Chuck Size	mm	Ø135
AXES		
Type of Guideways		Linear Motion Guideways
X-Axis Stroke	mm	114
Z-Axis Stroke	mm	224
X & Z Axes Rapid Rate	m/min.	15
X Axis Ball Screw Dia And Pitch	mm	25 & 5
Z Axis Ball Screw Dia And Pitch	mm	25 & 5
X & Z Axes Motor Torque	Nm	2.6
TOOLING		
Number of Tools Maximum		8
Boring Bar Dia Maximum	mm	32
OD Turning Tool Size	mm	20 X 20
TAILSTOCK		
Tailstock Base Travel	mm	80
Tailstock Quill Travel	mm	120
Tailstock Quill Dia.	mm	50
Quill Taper		MT-4
Tailstock rotating centre type		Add-on
Tailstock Thrust (Max)(@ 15 Bar)	kgf	150
HYDRAULIC SYSTEM		
Hydraulic Pump Capacity	lpm	12
Hydraulic Power Pack Tank Capacity	litre	20
System Pressure	Kg/cm ²	30
Coolant tank capacity	litre	60
Overall Machine Dimensions (LxWxH)	mm	1720 X 1350 X 1700
Overall Weight (Without Packing)	kg	~1850

Specifications correct at the time of print. Owing to continuous up-gradation of our products, the specification may change and to be reconfirmed at the time of ordering.

- 1 Refer machining range diagram
- 2 With Appropriate Work holding.
- 3 Possible only with suitable work holding (F/S) - Fanuc / Siemens

Note: Features shown may not be part of the standard equipment.

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