

Spinner 18 Elegant

Rigid Turning Centre



Technical Specification

TECHNICAL SPECIFICATION

DESCRIPTION	UNIT	SPINNER 18
CAPACITY		
Swing over way covers	mm	450
Admit between centers	mm	525
Max. turning length (with chuck)	mm	435
Max. turning diameter	mm	320
Max. turning diameter between chuck & center	mm	220
JOB HOLDING		
Hydraulic chuck - Std. / Opt.	mm	250 (10") / 315 (12")
SLIDES		
Cross travel X-axis	mm	180
Longitudinal travel Z-axis	mm	435
Rapid rate X / Z axes	m/min	18 / 24
Ball screw (dia x pitch) X / Z axes	mm	32 x 12 / 32 x 12
LM guide ways X / Z axes	SNS	35 / 45
MAIN SPINDLE		
Spindle motor power - Std.	kW	12 / 16
Spindle nose	Type	A2-8
Spindle bore diameter	mm	77
Spindle front bearing diameter	mm	120
Maximum bar capacity	mm	60 (65)
Spindle speed (max.)	rpm	2500
TURRET		
Type		BTP-80
No. of stations	Nos.	8
Maximum boring bar capacity	mm	40
Tool cross section	mm	25 x 25
TAIL STOCK		
Quill diameter	mm	83
Quill stroke	mm	100
Thrust (maximum)	Kgf	400
Quill taper		MT4
COOLANT		
Tank capacity	ltrs	160
Pump motor capacity	kW	0.54
MACHINE SIZE		
Weight (approximate)	kgs	4100
Dimension (L x B x H)	mm	1730x1600x2000
ACCURACY		
Positioning	mm	± 0.010
Repeatability	mm	± 0.005
LUBRICATION		
Spindle bearing	Type	Grease packed
Guides & ball screws	Type	Automatic centralized
Lubrication tank capacity	Ltrs.	2.7

Control System (standard) SINUMERIK-828D SL

- Simultaneous 2 axis control
- Process - oriented cycles
- Thread cutting cycles
- Direct drawing dimension programming
- Pitch error and backlash compensation
- Auto referencing
- Constant surface speed control
- RS-232C serial interface port
- 256Kb user memory
- Background editing
- Inch / Metric conversion
- Tool nose radius compensation
- G-Code compatibility with other controller
- Graphic simulation
- Look ahead facility
- Part count, time count and working time
- Electronic hand wheel

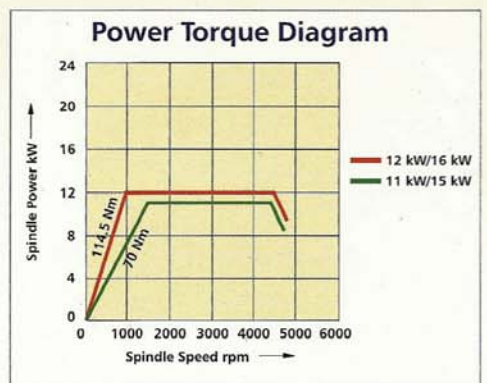
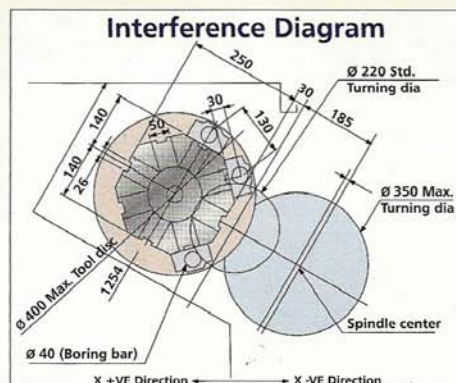
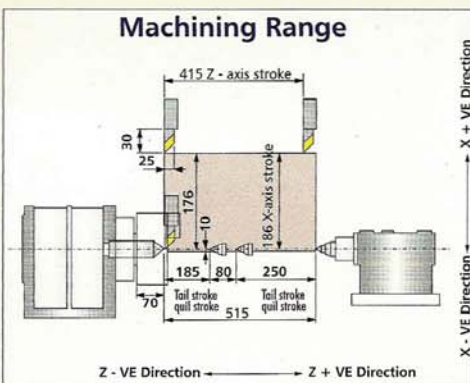
Control System (optional) FANUC-0iMate TD

Standard Features :

- AC digital spindle drive
- AC digital servo drive for both axes
- Linear motion guide ways for X and Z axes
- 8 station bi-directional turret
- 3 Nos boring bar holders
- 1 No. axial tool holder
- Coolant system
- Centralised and programmable lubrication
- Quality electrical devices with air conditioned panel
- Controlled temperature, humidity and dust free electronics
- Lube oil collector

Optional Features :

- Hydraulically operated tail stock
- Rotating center for tail stock
- Rear or side chip conveyor
- Bar feeder with bar puller
- Auto door
- Servo turret with live tools
- Part catcher
- Reduction sleeves
- Hydraulic collet chuck
- Renishaw probe for auto tool
- Tooled up machine to meet customer need



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