

# Spinner 15 Classik

## Rigid Turning Centre





# Technical Specification

## TECHNICAL SPECIFICATION

DESCRIPTION	UNIT	SPINNER 15
<b>CAPACITY</b>		
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
<b>JOB HOLDING</b>		
Hydraulic chuck - Std. / Opt.	mm	200 (8") / 250 (10")
<b>SLIDES</b>		
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
<b>MAIN SPINDLE</b>		
Spindle motor power - Std.	kW	11 / 15
Spindle nose		A2-6
Spindle bore diameter	mm	60
Spindle front bearing diameter	mm	100
Maximum bar capacity	mm	44
Spindle speed (max.) - Std. / Opt.	rpm	3000 / 3500
<b>TURRET</b>		
Type		BTP - 80
No. of stations	Nos.	8
Maximum boring bar capacity	mm	40
Tool cross section	mm	25 x 25
<b>TAIL STOCK</b>		
Quill diameter	mm	83
Quill stroke	mm	90
Thrust (maximum)	Kgf	400
Quill taper		MT4
<b>COOLANT</b>		
Tank capacity	ltrs	160
Pump motor capacity	kW	0.54
<b>MACHINE SIZE</b>		
Weight (approximate)	kgs	4000
Dimension (L x B x H)	mm	1730x1600x2000
<b>ACCURACY</b>		
Positioning	mm	± 0.010
Repeatability	mm	± 0.005
<b>LUBRICATION</b>		
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

