

RT-20S

Slant Bed CNC Lathe



**Productivity
Performance
Profitability**

Strong, Reliable, Accurate and Fast for Cost Effective Manufacture

Machine Description

The EFAMATIC RT-20 S Slant Bed CNC lathe can be supplied with a Fanuc Oi TF or GSK 988Tdi Control. It has a rigidly designed base and tailstock for extra stability and a quick indexing 12 station turret. One station is indexed in .3 seconds and six stations in .8 seconds. Both axes are fitted with heavy duty linear guides and large diameter ballscrews supported by precision angular contact bearings. The ballscrews are coupled to the maintenance free Digital Servo Motors by high precision couplings which offer the best rigidity and which allow for fast rapid traverse rates and accurate tolerance machining. Automatic lubrication is provided to all the guideways and ballscrews and the lubricator only discharges during machining, thus preventing unnecessary oil contamination of the coolant. A high pressure coolant pump which is ideal for U drilling is standard and the base has been designed for excellent chip flow.

**MADE IN
SOUTH AFRICA**



**efamatic
machine tools**



High-end Standard Equipment

- *Fanuc Oi-TC high speed CNC.*
- *Fanuc AC Servo Motors.*
- *Fanuc 11/15 kW Spindle motor.*
- *200mm three jaw power chuck.*
- *Rigid tailstock. 4 M.T.*
- *High accuracy and excellent production repeatability.*
- *Excellent machine reliability.*
- *High Pressure coolant.*
- *Fast cycle times.*
- *Excellent chip flow.*
- *Ergonomically designed.*
- *Minimum floor space required.*



RT-20S STANDARD SPECIFICATIONS

Spindle Nose (opt)	A6 (A8)
Standard Chuck Size (opt)	Dia 200 mm (250mm)
X Axis travel	260mm dia
Z Axis travel	451 mm
Maximum Spindle speed	4501 RPM
Rapid Traverse X Axis	24 m/min
Rapid Traverse Z Axis	24 m/min
Bar Capacity (opt)	53 mm (75mm)
Turning toolholder size	21 mm square
Maximum Boring Bar dia	33 mm
X Axis Motor AC	8 Nm continuous
Z Axis Motor AC	12 Nm continuous
Main Motor Power AC	11/15 kW
Main spindle front bearing	90 mm inside dia
Main spindle rear bearing	85 mm inside dia
Ball screw X axis	32 dia x 10 mm Pitch
Ball screw Z axis	32 dia x 10 mm Pitch
Tailstock	MT5

CONTROL SPECIFICATIONS

LCD Colour Monitor	Multiple repetitive cycles
Toolpath Graphics	Prog. Data input G10
Program memory 120 KB	Background editing
Absolute Encoders	Run hour & parts count display
Direct dwg dimension prog	1st Spindle orientation
Canned cycles	64 Tool offset pairs

INCLUDED ACCESSORIES

12 Toolposts	High pressure coolant
5 Reducing Bushes	Linear Guides
1 Set Hard Jaws	Programmable quill
1 Set Soft Jaws	Toolkit
Hydraulic Oil Cooler	Heat Exchanger
Canned cycles	64 Tool offset pairs

OPTIONAL ACCESSORIES

Automatic door opener	Collet Chuck
Magnetic or scraper conv.	Parts Catcher
Special Toolholders	A8 Spindle

Specifications subject to change without notice

26 Lower Germiston Road, Heriotdale

Johannesburg, South Africa

Tel: +27 (11) 626-2720 Fax: +27 (11) 626-2966

Email: mike@efamatic.com

Website: www.efamatic.co.za

