

WT-24

OP10 & OP30 Turning



**Alloy Wheel Lathe
with 45kW Spindle**

The Efomatic WT-22 CNC Lathe is a high powered machine with rigidity and accuracy to match.



Using a High Precision A11 Spindle coupled to a 45kW Fanuc Digital Spindle, Rexroth Roller Guide Linear Motion Technology and Fanuc A1 Contour Control, unparalleled levels of cutting power & finish can be achieved.

With proven manufacturing processes, technical advancements and engineering excellence developed over the company's 55 years of active machining, Efomatic Machine Tools is proud to offer these lathes as part of their complete wheel machining solution.

**MADE IN
SOUTH AFRICA**

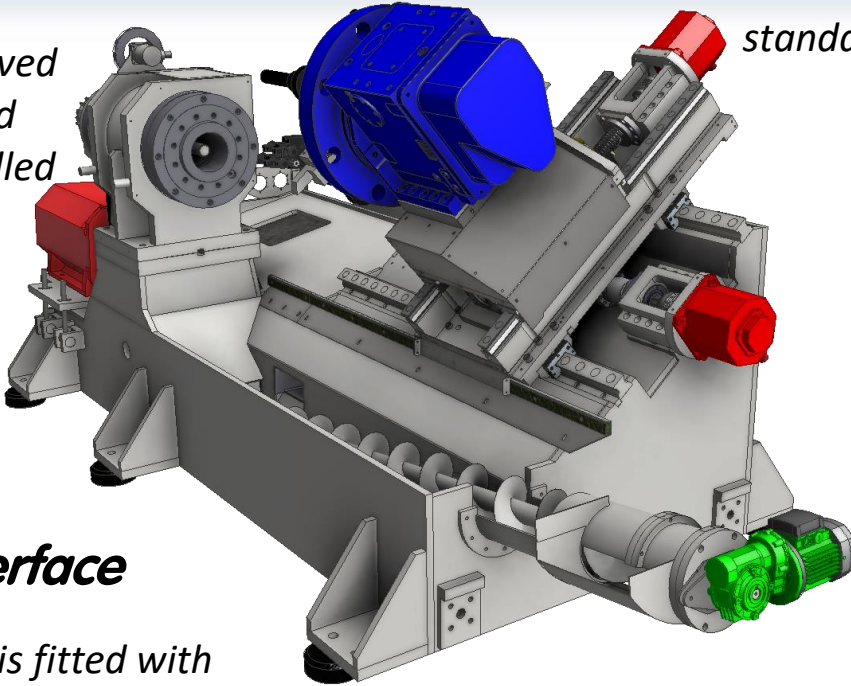


 **efomatic**
machine tools

Optimized Structural Design

Our unique One-piece Fabricated Base goes through a **4-step** process to achieve superior quality, rigidity and a high dampening coefficient.

1. Stress Relieved
2. Shot Blasted
3. Concrete Filled
4. Precision Machined

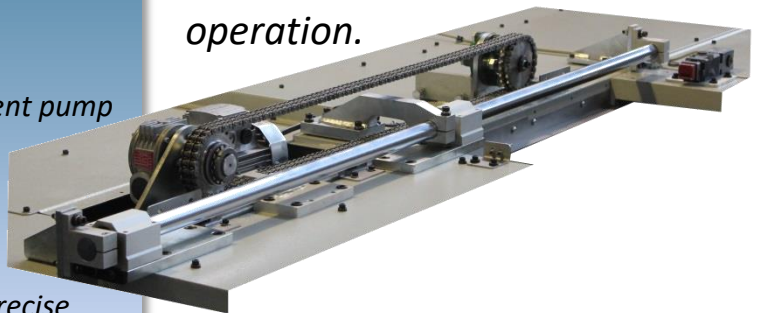


Robot Interface

The machine is fitted with the necessary I/O and PLC functionality for easy Robot interfacing, perfect for automated manufacturing

High-end Standard Equipment

- Fanuc OiTF CNC control with A2 Contour control
- 37/45 kW **spindle motor** with digital drive
- Fanuc Digital Servo motors and digital drives
- Servo driven 8/12 station TB320 VDI 50 turret
- X and Z axis run on Precision Rexroth Roller linear guides and 50x10 ballscrews
- Flood coolant to cutting edge
- Swarf conveyor
- Spindle Oil Cooler
- Hydraulic power pack and variable displacement pump with radiator, solenoid valves, pressure reducing valve, piping and fittings
- Hydraulic cylinder for main spindle
- Automatically operated sliding door
- Renishaw or Efamatic Probe integration for precise machining (optional)
- OP10 or OP30 Chuck Options for auto wheel clamping
- Knee operated unclamp switch for easy wheel loading



Electrical Cabinet

Our electrical panels and machine wiring conforms to the highest international standards.

Precision Guided Sliding Door

Guided along a 30mm Ground Bar with Sealed Linear bearings, the automated sliding door is driven through a torque limited reduction gearbox and vari- speed drive.

This system ensures smooth movement and low-maintenance operation.

WT-24 STANDARD SPECIFICATIONS

CAPACITY	Max Swing	mm (in)	650 (25.59)
	Max Turning Diameter	mm (in)	620 (24.41)
	Max Turning Length	mm (in)	310 (12.20)
	Max Workpiece		14x6J to 24x9.5J (Incl. 18x10J)
TRAVELS	X Axis	mm (in)	460 (18.11)
	Z Axis	mm (in)	800 (31.49)
SPINDLE	Speed Range	min-1	200-3,000
	Number of Speeds		Infinitely Variable
	Spindle Nose		JIS A2-11
	Spindle Bore Diameter	mm (in)	ø 117 (4.60)
	Spindle Bearings		Front:NN3032+160BAR10S, Rear:NN3030
TURRET	Type		Baruffaldi TB320 VDI 50 turret
	Number of Tools		8 Station / 12 Station option
	O.D. Turning Tool Shank	mm	25 x 25
	ID tool shank		ø40 (ø1-1/2)
	Indexing time	sec	0.4/station (0.73/to opp tool)
FEEDRATE	Rapid Traverse X	mm/min (ipm)	15,000 (590.5)
	Rapid Traverse Z	mm/min (ipm)	15,000 (590.5)
NOTES	Spindle Drive	kW (hp)	37/45 (49/60) (cont/30 min)
	X Axis (Cross side (X) drive)	kW (hp)	22Nm
	Z Axis (Saddle (Z) drive)	kW (hp)	22Nm
	Coolant Pump	kW (hp)	0.93 (1.25)
SIZE	Floor to spindle centerline	mm (in.)	1,095 (43)
	Height	mm (in)	2270 (89.4)
	Machine Dimensions Incl. Conveyor	Width x Depth	3,7m x 2,2m
	Required Floor Space, includes rear access and conveyor removal	Width x Depth	5,7m x 3,2m
	Mass	kg (lbs)	8,500 (17,640)
CONTROLLER	Controller		Fanuc Oi-TF
	Screen Size		8.4" color LCD/MDI (Horizontal) (with USB interface)

INCLUDED ACCESSORIES

	1	Automatic Front Door Open / Close	1 Set
	2	Hydraulic Cylinder For Auto. Chuck	1 Set
	3	Externally Mounted Air Blower Gun	1 Set
	4	Swarf Conveyor, screw type	1 Set
	5	In-Machine Chip Flusher System	1 Set
	6	Operator Utility Tray (4 Tier)	1 Set
	7	Knee Operated Chuck Unclamp Button / Robot Interface	1 Set
	9	Toolkit	1 Set

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