

RAIS SYSTEM T250

The super precision T250 RAIS CNC lathe is designed to perform a wide range of turning operations on medium-sized parts and components on a serial production basis.



STANDARD ACCESSORIES

- ✓ 3-jaw through-hole power chuck
- ✓ Tailstock
- ✓ 12 station turret VDI 30
- ✓ Chip conveyor and cart
- ✓ Coolant system
- ✓ Working lamp
- ✓ Automatic lubrication system for axis ways and ball screws
- ✓ Foot switch for chuck operation

All structural parts are manufactured from high quality Meehanite cast iron and stress relieved for deformation.

The 45° slant bed construction assures high accuracy and high rigidity for heavy duty cutting.

High strength hardness guide and low resistance design provide prefer cutting surface.

The spindle is mounted with high precision class P4 NN type roller bearings and trust bearings, providing outstanding radial and trust loads.

Transmission with low thermal, preload ball screws, provided higher rigidity control.

Hydraulic tailstock. Programmable positioning is available.

OPTIONAL ACCESSORIES

- ✓ 12 st. tool turret (VDI 30) and C-axis of the spindle
- ✓ Part catcher
- ✓ Bar feeder 1.5 / 3.2 m
- ✓ Bar feeder interface
- ✓ Non through-hole power chuck
- ✓ Auto tools presetter
- ✓ Coolant system (high pressure: 20 Bar)
- ✓ Heat exchanger for electrical cabinet



TECHNICAL PARAMETERS	UNIT	T250
CAPACITY		
Max swing over bed	mm	510
Swing over carriage cover	mm	310
Max turning diameter	mm	310 / 250*
X axis travel	mm	155 + 30
Z axis travel	mm	600 / 650*
X / Z axis rapid traverse	m/min	12 / 20
Ball screw (X / Z): diameter x pitch	mm	32x10 / 40x10
Guideways		Prismatic
Carriage inclination	deg	45
Spindle center height (from floor)	mm	1120
SPINDLE		
Spindle nose		A2-6 / A2-8*
Spindle bore	mm	61 / 87*
Power chuck diameter	mm	205 / 250*
Spindle motor 100% ED / 30 min.**	kW	9 / 11
Max spindle speed	rpm	4 200 / 3 500*
Bar capacity	mm	51 / 74*
Power chucking system		Hydraulic
TURRET		
Number of tool posts		12
Number of rotating tools		12*
Tool holder		VDI 30 / VDI 40* / BMT*
Torque of rotating tools 100% / 40% / max.**	Nm	12
Y axis on turret 1		Option
TAILSTOCK		
Tailstock quill taper		MK4
Quill travel	mm	120
Quill diameter	mm	80
SIZE		
Machine weight	kg	5 200 / 5 350*
Machine dimensions (approx.): L x B x H	mm	3910 x 1700 x 1950
CNC CONTROL		Fanuc 0i Fanuc 32i*** / Siemens 828D*** / Siemens 840D***
ACCURACY OF THE MACHINE		DIN8605-8607

(*) option

(**) technical data for Fanuc equipment

(***) on customer request