

# RAIS SYSTEM T252-2S

The double spindle T252-2S RAIS CNC lathe is designed to perform a wide range of complex turning operations with simultaneous operation of both spindles and two turrets into series production.



An exclusively stable and rigid construction for maximum lathe productivity.

## STANDARD ACCESSORIES

- ✓ 3-jaw through-hole power chuck
- ✓ 12 station turrets
- ✓ Chip conveyor and cart
- ✓ Coolant system
- ✓ Working lamp
- ✓ Automatic lubrication system for axis ways and ball screws
- ✓ Foot switches 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.

Linear guideways: precise SP / P-class along X / Z1, Z2 axes - zero clearance.

Dynamically balanced spindles - cassette type. An exclusive resistance in radial and axial loads.

## OPTIONAL ACCESSORIES

- ✓ 12 station tool turret head (VDI 40)
- ✓ C-axis of the spindle
- ✓ Part catcher
- ✓ Bar feeder 1.5 m / 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	T252-2S
<b>CAPACITY</b>		
Max swing over bed	mm	210
Swing over carriage cover	mm	210
Max. turning diameter	mm	200
X axis travel	mm	170 + 15
Z axis travel (Z1 / Z2)	mm	270 / 700
Y axis travel	mm	±30
X / Y / Z axis rapid traverse	m/min	12 / 20 / 10
Ball screw (X / Z): diameter x pitch	mm	32x5 / 40x10
Guideways	Integrated, size 30 (X1); 30 (X2); 32 (Z1); 40 (Z2); box way (Y)	
Carriage inclination	deg	45
Spindle center height (from floor)	mm	965
<b>SPINDLE</b>		
	<b>MAIN SPINDLE</b>	<b>SUB SPINDLE</b>
Spindle nose	A2-5 / A2-6*	A2-5 / A2-6*
Spindle bore	mm 51 / 65*	51 / 65*
Power chuck diameter	mm 170 / 210*	170 / 210*
Spindle motor 100% ED / 30 min.**	kW 11 / 15	11 / 15
Max spindle speed	rpm 6000 / 4500*	6000 / 4500*
Bar capacity	mm 42 / 51*	42 / 51*
Power chucking system	Hydraulic	Hydraulic
<b>TURRET</b>		
	<b>TURRET 1</b>	<b>TURRET 2</b>
Number of tool posts	12	12
Number of rotating tools	12*	12*
Tool holder	VDI 30 / BMT*	VDI 30 / BMT*
Tools torque	Nm 11	11
Y axis on turret 1	Option	-
<b>SIZE</b>		
Machine weight	kg 5700	
Machine dimensions (approx.): L x B x H	mm 4230 x 1750 x 2050	
<b>CNC CONTROL</b>		
	Fanuc 0i Fanuc 32i *** / Siemens 828D *** / Siemens 840D ***	
<b>ACCURACY OF THE MACHINE</b>		DIN8605-8607

(\*) option

(\*\*) technical data for Fanuc equipment

(\*\*\*) on customer request