

SELECTABLE CNC CONTROL

FANUC

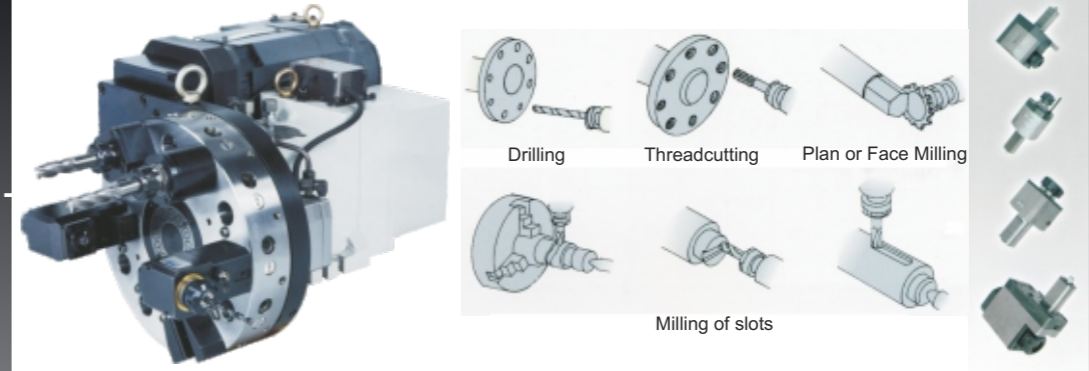
SIEMENS



TOOL SETTER



VDI SERVO TURRET WITH C + Y AXES



BAR FEEDER

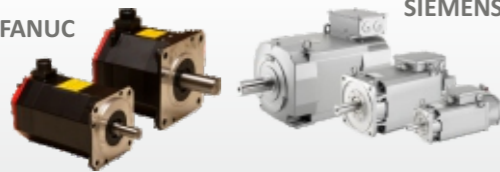


Automatic bar feeders 1.2 or 1.5 m for all type profiles of material.
Hydrodynamic 2.5, 3.2 and 3.7 m automatic bar feeders.

SPINDLE MOTORS

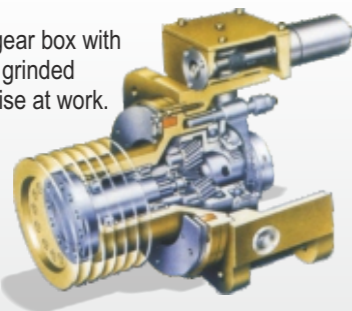
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SIEMENS



ZF GEAR BOX

Three-speed gear box with hardened and grinded gears. Low noise at work. High torque.



ROBOTIC ARM



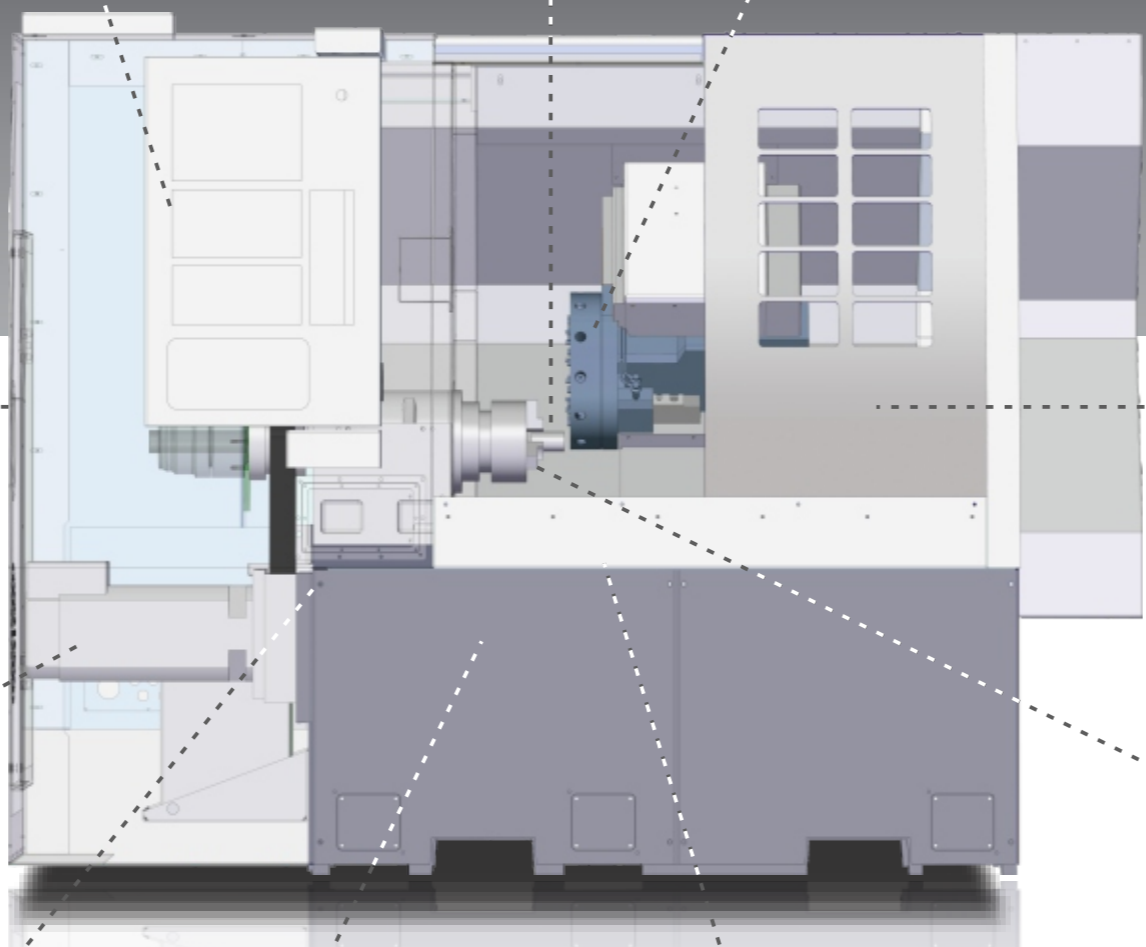
PART CATCHER



PROGRAMMABLE TAILSTOCK



AUTOMATIC COLLET CHUCK



RAIS SYSTEM
T350
T400

The super precision T350 and T400 RAIS CNC lathes are 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
- 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.

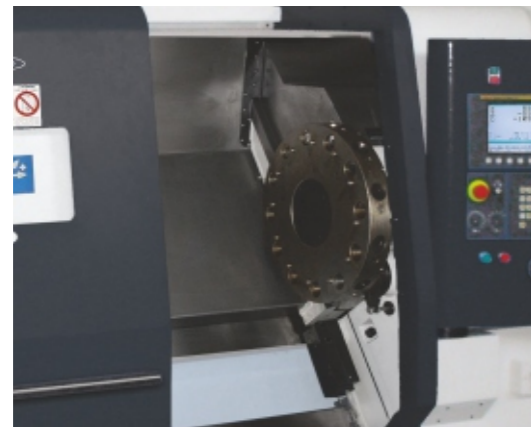
The spindle is mounted with high precision class P4 NN type roller bearings and trust bearings, providing outstanding radial and trust loads.

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

Hydraulic tailstock. Programmable positioning is available.

OPTIONAL ACCESSORIES

- 12 station tools turret (VDI 40) with 12 rotating tools
- C-axis of the spindle
- Non through-hole power chuck
- Part catcher
- Bar feeder 1.5 m
- Bar feeder interface
- Auto tools presetter
- Coolant system (high pressure: 20 Bar)
- Heat exchanger for electrical cabinet



Fully enclosed protection of the operational area.



TECHNICAL PARAMETERS	UNIT	T350	T400
CAPACITY			
Max swing over bed	mm	600	700
Swing over carriage cover	mm	400	450
Max turning diameter	mm	400	450
X axis travel	mm	210 + 40	235 + 30
Z axis travel	mm	600	600 / 1200*
X / Z axis rapid traverse	m/mm	20	20
Ball screw (X / Z): diameter x pitch	mm	32x10 / 40x10	40x10 / 50x10
Guideways		Prismatic	Prismatic
Carriage inclination	deg	45	45
SPINDLE			
Spindle nose		A2-8	A2-11 / A2-8*
Spindle bore	mm	92	95
Power chuck diameter	mm	250 / 315*	380 / 315*
Spindle motor 100% ED / 30 min.**	kW	18.5 / 22	18.5 / 22
Main motor torque 100% ED / 30 min.**	Nm	52.5 / 95.5	52.5 / 95.5
Max spindle speed	rpm	3000	2500 / 3000*
Bar capacity	mm	76	76
Power chucking system		Hydraulic	Hydraulic
TURRET			
Number of tool posts		12	12
Number of rotating tools		12*	12*
Tool holder		VDI 40 / BMT*	VDI 40 / BMT*
Torque of rotating tools 100% / 40% / max.**	Nm	12*	12*
TAILSTOCK			
Tailstock quill taper		MK5	MK5
Quill travel	mm	100	100
Quill diameter	mm	80	80
SIZE			
Machine weight	kg	5600	6200 / 5800*
Machine dimensions (approx.): L x B x H	mm	3200 x 2200 x 2000	4400 / 3200* x 2200 x 2000
CNC CONTROL		Fanuc Oi (Fanuc 32i / Siemens 828D / Siemens 840D)***	
ACCURACY OF THE MACHINE		DIN8605-8607	DIN8605-8607

(*) option
 (**) technical data for Fanuc equipment
 (***) on customer request

RAIS SYSTEM
T250-2S

TECHNICAL PARAMETERS	UNIT	T250-2S	
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	
X / Z axis rapid traverse	m/mm	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			
		MAIN SPINDLE	SUB SPINDLE
Spindle nose		A2-6 / A2-8*	A2-5
Spindle bore	mm	61 / 87*	52
Power chuck diameter	mm	205 / 250*	169
Spindle motor 100% ED / 30 min.**	kW	9 / 11	11 / 15
Main motor torque 100% ED / 30 min.**	Nm	85.9 / 140	52.5 / 95
Max spindle speed	rpm	4200 / 3500*	6000
Bar capacity	mm	51 / 74*	41
Power chucking system		Hydraulic	Hydraulic
TURRET			
Number of tool posts		10 / 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	5200 / 5350*	
Machine dimensions (approx.): L x B x H	mm	3910 x 1700 x 1950	
CNC CONTROL			
		Fanuc Oi (Fanuc 32i / Siemens 828D / Siemens 840D)****	
ACCURACY OF THE MACHINE			
		DIN8605-8607	

(*) option
 (**) technical data for Fanuc equipment
 (***) with 12 station turret
 (****) on customer request

OPTIONAL ACCESSORIES

- 12 tools turret head (VDI 40)
- C-axis of the spindle
- Part catcher
- Bar feeder 1.5 / 3.2 m
- Bar feeder interface
- Heat exchanger for electrical cabinet
- Non through-hole power chuck
- Auto tools presetter
- Coolant system (high pressure: 20 Bar)

RAIS SYSTEM
T350-2S/T400-2S

TECHNICAL PARAMETERS	UNIT	T350-2S	T400-2S
CAPACITY			
Max swing over bed	mm	600	700
Swing over carriage cover	mm	400	450
Max turning diameter	mm	400	450
X axis travel	mm	210 + 40	235 + 30
Z axis travel	mm	600	600 / 1200*
X / Z axis rapid traverse	m/mm	20	20
Ball screw (X / Z): diameter x pitch	mm	32x10 / 40x10	40x10 / 50x10
Guideways		Prismatic	Prismatic
Carriage inclination	deg	45	45
SPINDLE			
		MAIN SPINDLE	SUB SPINDLE
Spindle nose		A2-8	A2-5
Spindle bore	mm	92	52
Power chuck diameter	mm	250 / 315*	169
Spindle motor 100% ED / 30 min.**	kW	18.5 / 22	11 / 15
Main motor torque 100% ED / 30 min.**	Nm	52.5 / 95.5	52.5 / 95.5
Max spindle speed	rpm	3000	6000
Bar capacity	mm	76	41
Power chucking system		Hydraulic	Hydraulic
TURRET			
Number of tool posts		12	12
Number of rotating tools		12*	12*
Tool holder		VDI 40 / BMT*	VDI 40 / BMT*
Torque of rotating tools 100% / 40% / max.**	Nm	12*	12*
TAILSTOCK			
Tailstock quill taper		MK5	MK5
Quill travel	mm	100	100
Quill diameter	mm	80	80
SIZE			
Machine weight	kg	5600	5800 / 6200*
Machine dimensions (approx.): L x B x H	mm	4100 x 2200 x 2000	4400 x 2200 x 2000
CNC CONTROL			
		Fanuc Oi (Fanuc 32i / Siemens 828D / Siemens 840D)***	
ACCURACY OF THE MACHINE			
		DIN8605-8607	DIN8605-8607

(*) option
 (**) technical data for Fanuc equipment
 (***) on customer request

OPTIONAL ACCESSORIES

- 12 station tools turret (VDI 40) with 12 rotating tools
- C-axis of the spindle
- Non through-hole power chuck
- Part catcher
- Bar feeder 1.5 m
- Bar feeder interface
- Auto tools presetter
- Coolant system (high pressure: 20 Bar)
- Heat exchanger for electrical cabinet