

SELECTABLE CNC CONTROL

FANUC

SIEMENS



VDI SERVO TURRET WITH C + Y AXES

Drilling

Threadcutting

Plan or Face Milling

Milling of slots

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.

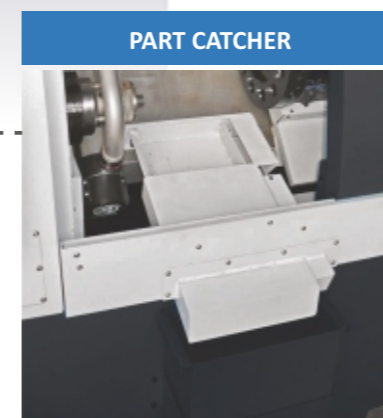
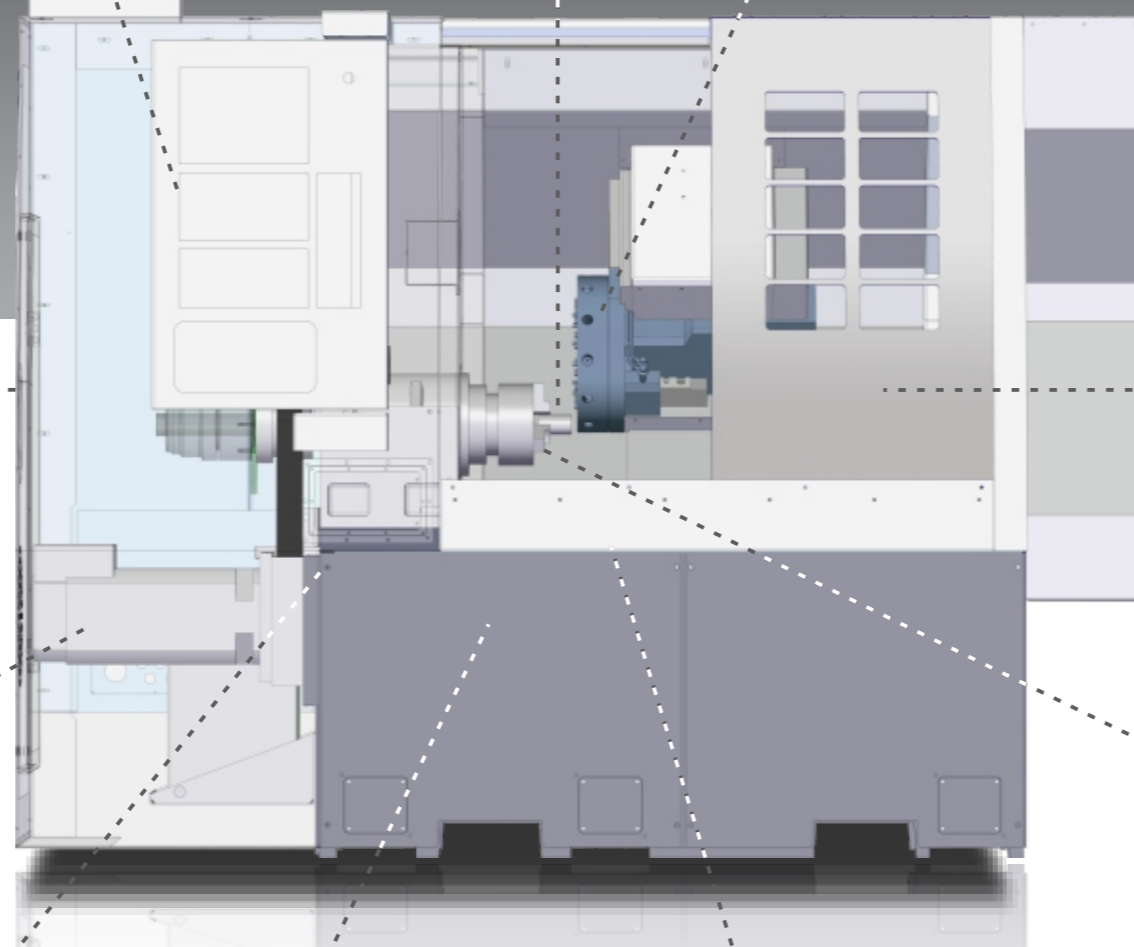
SPINDLE MOTORS

FANUC

SIEMENS

ZF GEAR BOX

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



RAIS SYSTEM
T500
T600

The T500, T600 and T700 RAIS CNC lathes are designed for the machining of large-size rotational component parts with high power of cutting and feeding. Optimum design; lack of vibration during operation; high and stable geometric precision.



A spindle seated in precise double-row roller bearings. Stable cutting operation even by large chip thicknesses.

Three-step spindle gear box. Smooth switching between gears with high torque. All gear wheels are made of alloy steel, hardened and precisely ground to size. Low noise and excellent smoothness of cut.

Precise ball-screws (class P5) with a double-tightened nut and minimum backlash. Impressive precision of part positioning.

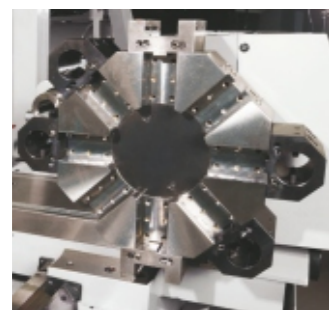
Hardened and fine-ground longitudinal and transverse guides. Guaranteed stable cut under heavy-duty conditions.

Super high grade fitted slides with "Turcite-B". Minimum friction when moving. High precision and smoothness of operation.

RAIS SYSTEM
T700



These outstanding features enable stable heavy duty in continuous operation for a highly productive serial details.



OPTIONAL ACCESSORIES

- 3-jaw through-hole power chuck Ø315 mm
- Follow and steady rest
- 12 station VDI turret with C-axes for rotating tools
- Hydraulic clamped tail stock
- Milling tool holder



TECHNICAL PARAMETERS	UNIT	T500	T600	T700
CAPACITY				
Max swing over bed	mm	610	710	760
Max swing over cross slide	mm	390	490	540
Max swing over gap	mm	790	890	940
X axis travel	mm	405	405	405
Distance between centers (DBC)	mm	930 / 1430 / 1930 / 2930	930 / 1430 / 1930 / 2930	930 / 1430 / 1930 / 2930 / 3930
Z axis travel (maximal turned length)	mm	970 / 1430 / 1970 / 2970	970 / 1470 / 1970 / 2970	970 / 1470 / 1970 / 2970 / 3970
Width of bed	mm	450	450	450
Spindle center height (from the guides)	mm	305	355	380
X / Z axis rapid traverse	m/mm	6 / 10	6 / 10	6 / 10
Ball screw (X / Z): diameter x pitch	mm	32x5 / 50x10	32x5 / 50x10	32x5 / 50x10
Guideways		Prismatic, HB>450	Prismatic, HB>450	Prismatic, HB>450

SPINDLE				
		D1-11 / A2-11 (D1-15 / A2-15)*	D1-11 / A2-11 (D1-15 / A2-15)*	D1-11 / A2-11 (D1-15 / A2-15)*
Spindle nose				
Spindle bore	mm	105 / 155*	105 / 155*	105 / 155*
Chuck: manual, 3-jaw	mm	315 / 400*	315 / 400*	315 / 400*
Max spindle speed	rpm	2200	1500	1500
Spindle motor	kW	7.5 / 15*	7.5 / 15	7.5 / 15*

TURRET				
Type		Vertical, 4 station (8 / 12 VDI 40)*	Vertical, 4 station (8 / 12 VDI 40)*	Vertical, 4 station (8 / 12 VDI 40)*
Number of tool posts		4 (8 / 10 / 12)*	4 (8 / 12)*	4 (8 / 12)*
Turning tool shank dimensions	mm	25 x 25	25 x 25	25 x 25
Max boring bar diameter	mm	40	40	40
Tool travel behind center line	mm	20	20	30

TAILSTOCK				
Tailstock quill taper		MK5	MK5	MK5 / MK6*
Quill travel	mm	225	225	225
Quill diameter	mm	105	105	105

SIZE				
Machine weight	kg	4100 / 4300 / 4900 / 5700	4000 / 4400 / 5000 / 5800	4200 / 4400 / 5000 / 5800 / 6600
Machine dimensions (approx.): L x B x H	mm	2700 / 3200 / 3700 / 4700 x 1750 x 1620	3000 / 3500 / 4000 / 5000 x 1750 x 1620	2700 / 3200 / 3700 / 4700 / 5700 x 5415 x 1980

CNC CONTROL				
		Fanuc Oi (Fanuc 32i / Siemens 828D / Siemens 840D)***		

ACCURACY OF THE MACHINE		DIN8605-8607	DIN8605-8607	DIN8605-8607
--------------------------------	--	--------------	--------------	--------------

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