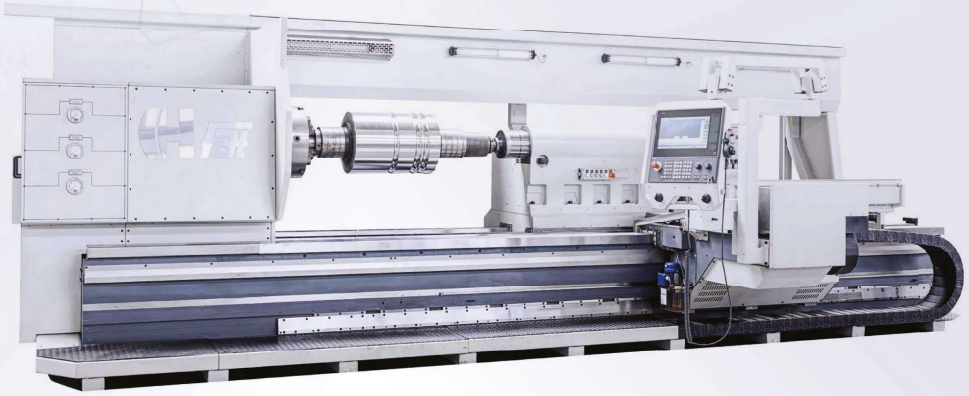
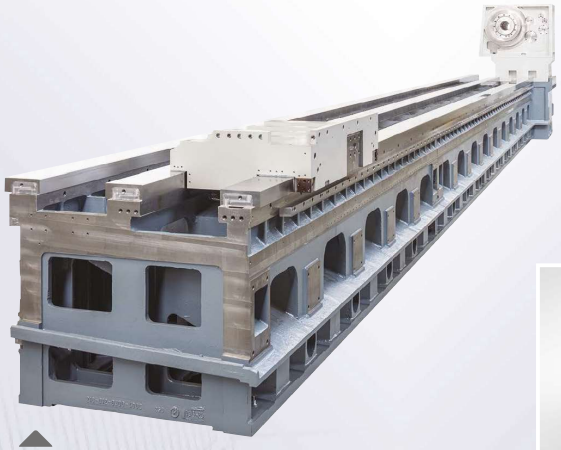
TUR 3MN/4MN

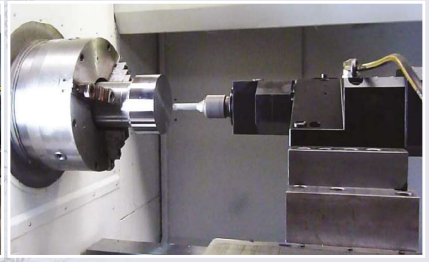
Heavy 4-guideways lathe TUR 3MN is based on a single mono-bloc casting bed design incorporating 60Rc hardened and ground steel inserts, assembled using "Guide Easy FIX" technology. This enables easy guideway removal and refurbishment if ever necessary.

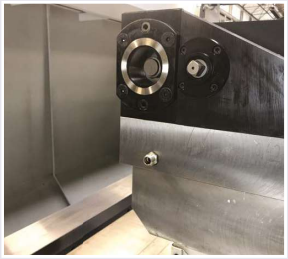




Due to the compact structure of the bed, the machine takes up little space while maintaining stability.

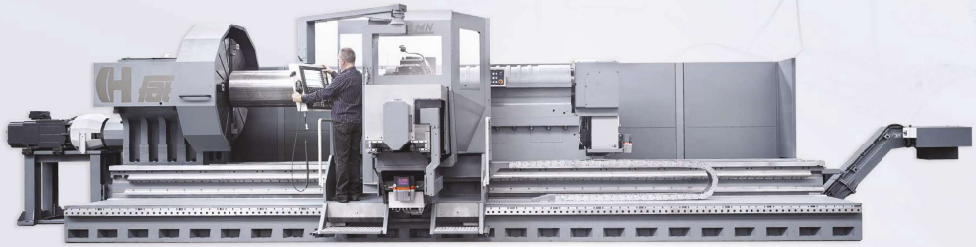
4-position head turret





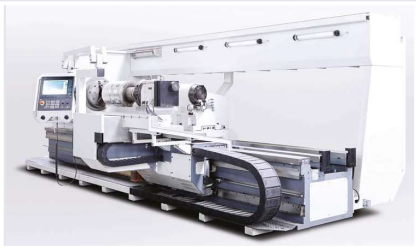
Tooling system WTO for turning, milling and drilling

The TUR 4MN is a CNC machine tool designed for heavy machining of large-size elements. A special bed „step-bed" type ensures extremely stable processing using the full power of the machine.



Tailstock with quill's diameter 400 mm (15,7") and stroke 300 mm (11,8"). Programmable positioning and automatic clamping to the bed.

The heavy duty headstock is equipped with 185 mm (7,3") spindle bore. Thanks to the planetary gearbox, it is possible to obtain a turning torque of 100.000 Nm and more



Ring steady rest

STANDARD EQUIPMENT:

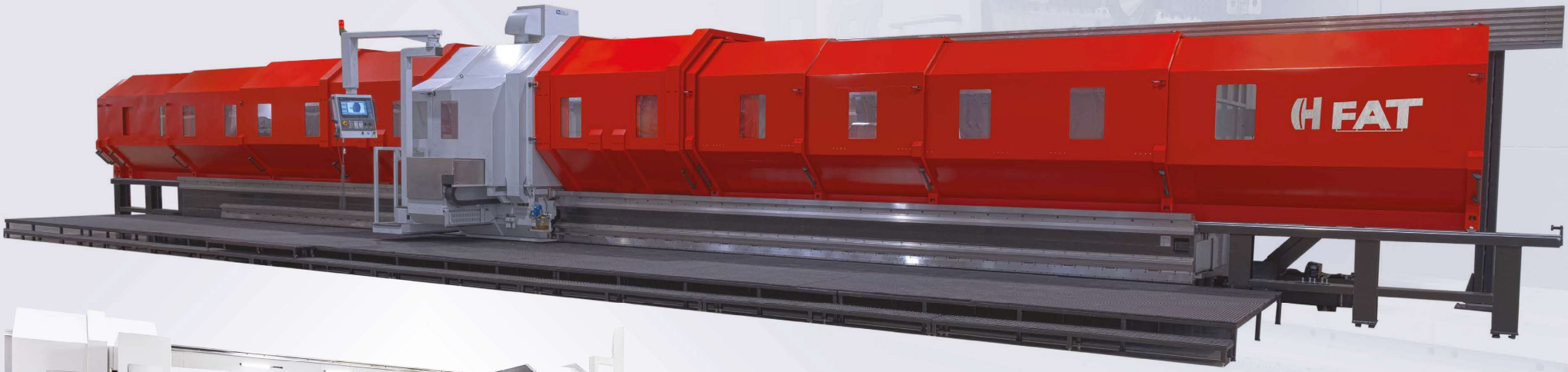
- Siemens Sinumerik One
- Third handwheel (MPG)
- Automatic programmable gearbox
- Multifix D2
- Complete coolant system
- One movable front door (connected to cross slide)
- Full length rear guard
- Tailstock with hydraulic quill and separate drive; hydraulic clamping to the bed
- Chip conveyor
- Rotary control panel
- Absolute encoders of axial motors

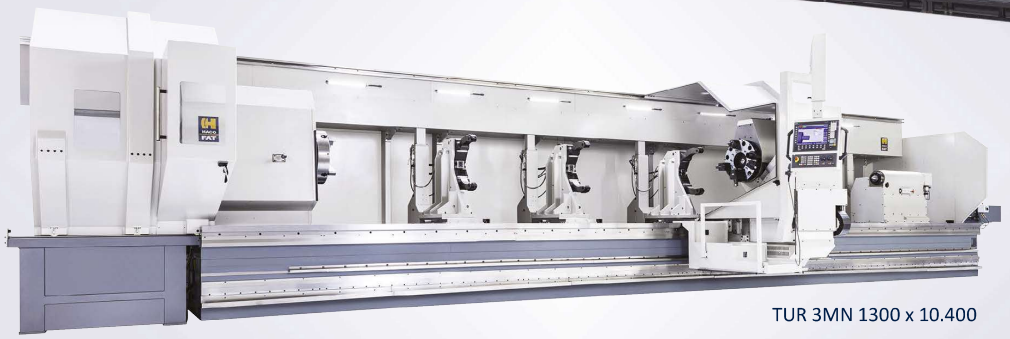
Front door
coupled with the carriage

Steady rest
Type C

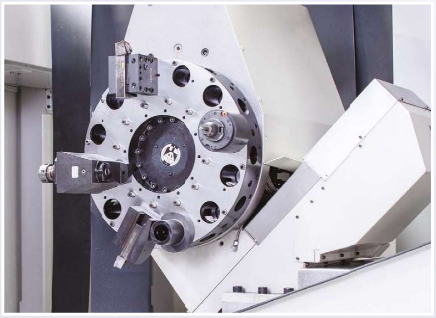
TUR 4MN with full enclosure

Cross slide without collision with the tailstock

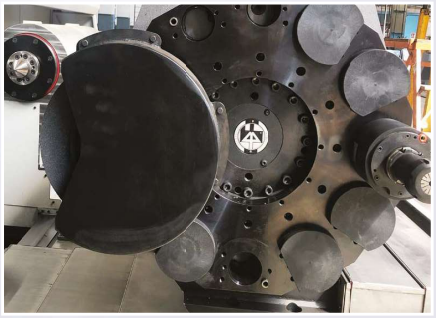




TUR 3MN 1300 x 10.400

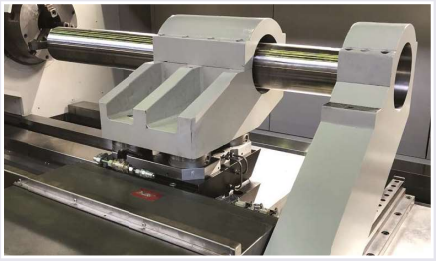


Disc turret on automatic Y-axis



Tool disc with grinding attachment

Various types of steady rests



Boring bar holder with quick-change system

TECHNICAL PARAMETERS: TUR 3MN					
		TUR 3 MN			
		Standard		Heavy	
CAPACITY					
Distance between centres (other lengths on special request)	mm	4.800 – 6.400 – 8.000 – 9.600 ... 16.000 and more			
Swing over bed	mm	1.300 - 1.500 1.600 - 1.900 (high bed)			
Swing over saddle	mm	1.000 - 1.200 1.300 - 1.600 (high bed)			
Max. weight between chuck and tailstock (without steadies)	kg	12.000		20.000	
Max. weight in chuck only	kg	3.000		3.000	
HEADSTOCK					
Number of spindle ranges		2			
Spindle speed ranges	rpm	I: 2–225, II: 180-1.000		I: 2–115 II: 100-700	I: 2-80 II: 60-350
Main drive motor power (100%)	kW	41		60	71
Max. Turning torque	Nm	8.200		28.000	42.500
Normal execution:					
Spindle bore diameter:	mm	140		260	185
Spindle nose	DIN55026	A2-15		A2-15	A2-20
Special executions:					
Spindle bore diameter:	mm	220	320	360	450
Spindle nose	DIN55026	A2-15	A2-20	A2-20	A2-28
Max speed	rpm	1.000	500	450	350
SADDLE					
Rapid travel Z-axis	m/min	6			
Rapid travel X-axis	m/min	6			
Feed force longitudinal	kN	47			
Feed force transverse	kN	40			
TAILSTOCK					
Quill diameter	mm	220		280	
Quill stroke	mm	300		300 (optional 400)	

* The data in the table refer to the basic version of the lathe. They may differ depending on the version of the machine and equipment additional. In particular, the tool system, special covers and doors, type of tailstock, handle, steady rests and other options.