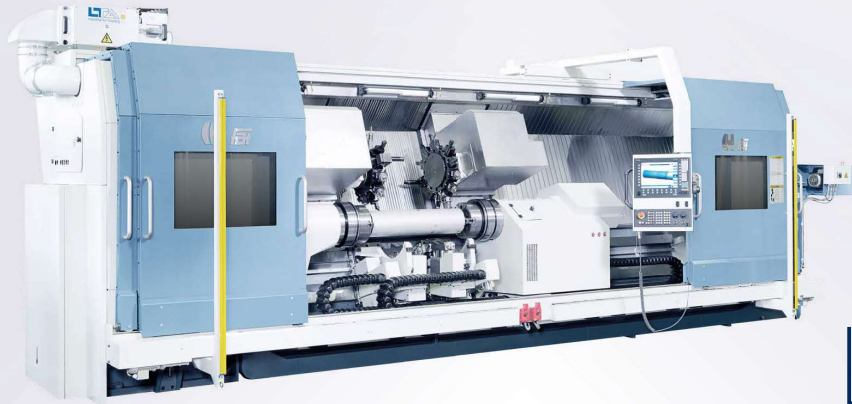


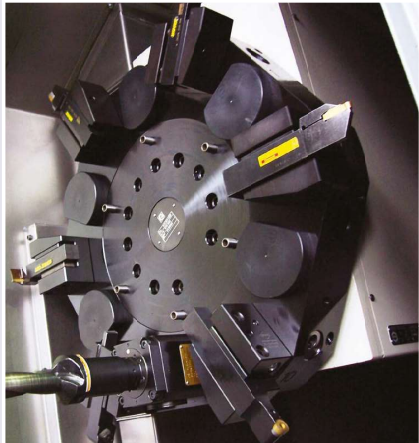
## FCT 700 / FCT 700 HV

The FCT700 slant bed CNC lathe has a cast heavy duty 70° inclined bed with 4 guideways. The swing over the bed is 700mm (optionally 840mm) and a length of up to 5 100 mm between centres is available.



### STANDARD EQUIPMENT:

- 12-position tool turret for static tools
- Complete coolant system
- Hydraulic tailstock quill with built-in bearing system
- Hydraulic aggregate
- Programmable positioning of tailstock with come-along system; hydraulic clamping to bed
- Chip conveyor
- Linear scale (direct measuring system) of the X-axis for higher repeatability and position accuracy
- Complete working area enclosure
- Absolute encoders



Standard 12 position tool turret



FCT700 with 840 mm (33") increased swing over bed and 2 independent carriages.

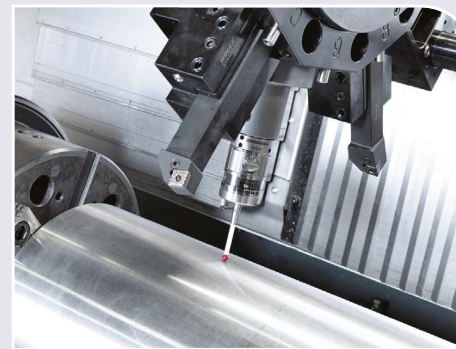


Two FCT700 lathes working with an integrated robot



12 position turret radial Tool drive and integrated Y Axis

Oil mist collector



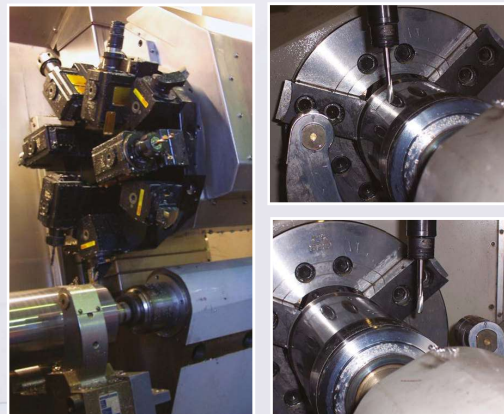
Work piece touch probe installed in turret socket





FCT700 - turning length 5.100mm (201"). Automatic door Independent tailstock NC drive and hydraulic steady rest. Turret with driven tools.

FCT 700 x 1600 with 12 position disc turret with integrated Y-axis



Disc turret with driven tools and Y axis

#### TECHNICAL PARAMETERS: FCT 700

Standard execution 105:  
Special execution 140/220:

		FCT 700	
<b>CAPACITY</b>			
Distance between centers	mm	1.100 - 1.600 - 2.100 - 3.100 - 4.100 - 5.100	
Swing over bed	mm	700 (840)	
Swing over saddle	mm	490 (630)	
Max. weight of workpiece between chuck and tailstock (without steadies)	kg	2.500	
Max. weight in chuck only	kg	800	
<b>HEADSTOCK</b>			
Main drive motor power	kW	25	
Spindle bore	mm	105	
Spindle speed	rpm	2.500	
Max. turning torque with direct drive	Nm	850	
Max. turning torque with 2-range gearbox	Nm	3.400	
Spindle nose (DIN 55026 / ISO702/I)	DIN 55026	A2-8	
Spindle inner taper	mm	115	
Spindle bore	mm	140	220
Spindle speed	rpm	2.500	2.000
Max. turning torque with direct drive	Nm	850	
Max. turning torque with 2-range gearbox	Nm	3.400	
Spindle nose (DIN 55026 / ISO702/I)	DIN 55026	A2-11	A2-15
<b>SADDLE</b>			
Cross slide travel X-axis	mm	460	
Rapid travel Z-axis	m/min	20	
Rapid travel X-axis	m/min	20	
Feed force transverse	kN	21	
Feed force longitudinal	kN	21	
Ball screw Z-axis (1.100-3.100)	mm	50	
Ball screw Z-axis (4.100-5.100)	mm	65	
Ball screw X-axis	mm	40	
<b>TOOLTURRET</b>			
12-position tool turret for static tools		VDI 50	
<b>TAILSTOCK</b>			
Quill diameter	mm	120	
Quill taper	MT	MT 5	
Quill stroke	mm	100	
<b>SUB-SPINDLE</b>			
Spindle bore	mm	90	
Top spindle speed	rpm	1800	
Spindle nose (DIN 55026 / ISO702/I)	DIN 55026	A2-8	
Max. turning torque	Nm	950	
Max. motor power	kW	25	
<b>GENERAL</b>			
Width of machine	mm	2360	
Height of machine	mm	2540	
<b>Weight of machine (approx.)</b>			
FCT 700 x 1100	kg	9600	
FCT 700 x 1600	kg	11300	
FCT 700 x 2100	kg	12600	
FCT 700 x 3100	kg	14100	
FCT 700 x 4100	kg	15500	
FCT 700 x 5100	kg	16900	

\* 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.