

CNC lathe F-Turn TMCY CNC



Slant (45°) bed machine. Rigid bed of Meehanite cast iron ensuring high load capability



T e c h n i c a l D a t a s h e e t

- «T» -versions are equipped with 2 C-axes.
- 45° inclined slant-type bed with significant reinforcement ribs made of Meehanite cast iron.
- Roller-bearing linear guideways– X, Z, Y- axes.
- 12-pos. tool turret DUPLOMATIC SMBR with servodrives for live tools from Fanuc. Quick tool changing and superior positioning accuracy 0.001 mm

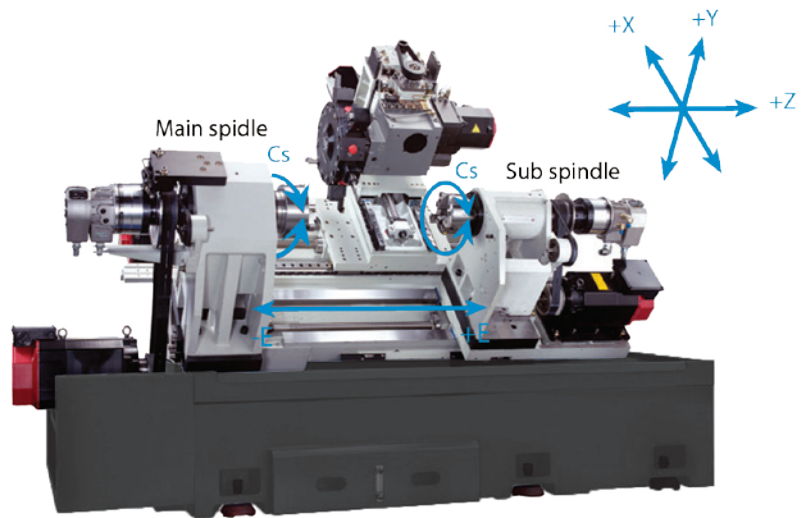
- Synchronized high-precision spindle and sub-spindle (P4 accuracy grade).
- Hydraulic tool turret and turning chuck.
- Optional automatic tool setting system.

Serienausstattung:

- ✓ Fanuc CNC
- ✓ Automatic lubrication system for X, Z-axis guideways
- ✓ Working area illumination
- ✓ Working area cabinet-type enclosure
- ✓ Electric cabinet with heat exchanger
- ✓ Portable handwheel for manual operation
- ✓ Signal light
- ✓ RS-232 interface
- ✓ Chip removal conveyor
- ✓ Machine feet
- ✓ Auxiliary service tools
- ✓ Operation manual

Options:

- Siemens CNC
- Main spindle hydraulic chuck
- Counter-spindle hydraulic chuck
- Steady rest
- Follow rest
- Counter-spindle parts catcher
- RENISHAW automatic tool setting device
- RENISHAW manual tool setting device
- Automatic bar feeder



Technical specifications		F-Turn TMCY CNC			Technical specifications		F-Turn TMCY CNC		
		390/260	390/500	390/470			390/260	390/500	390/470
Control system		FANUC			Counter-spindle speed	rpm	10–6000	10–6000	10–4200
Swing over bed	mm	Ø780			Tooling turret		DUPLOMATIC		
Max. workpiece diameter	mm	Ø300	Ø300	Ø230	Number of positions		12 (VDI 30)	12 (VDI 30)	12 (VDI 40)
Max. bar diameter	mm	Ø45 Ø45	Ø51 Ø45	Ø75 Ø51	Number of live tools		12 (VDI 30)	12 (VDI 30)	12 (VDI 40)
Max. turning length	mm	260	500	470	Toolholder dimensions	mm	20x20 (DIN 5480)	20x20 (DIN 5480)	25x25 (DIN 5480)
Axis travel					Rotary tool holder dimensions	mm	Ø32	Ø32	Ø40
X-axis	mm	185	185	150	Max. speed of live tools	rpm	4000		
Z-axis	mm	310	560	540	Power				
Y-axis	mm	±40	±40	±50	Main spindle motor (const./30 min. after start)	kW	5.5/7.5	9/11	11/15
E-axis (Spindle/Counter-spindle rechunk)	mm	260	500	470	Counter-spindle motor (const./30 min. after start)	kW	5.5/7.5	5.5/7.5	7.5/11
X -axis rapid traverse	m/min	30			X-axis servo-motor	kW	3	3	4
Z -axis rapid traverse	m/min	30			Z-axis servo-motor	kW	3		
E -axis rapid traverse	m/min	20			E-axis servo-motor	kW	1,6		
Y -axis rapid traverse	m/min	7			Y-axis servo-motor	kW	1.4	1.4	1.6
X,Z,Y-axis working feeds	mm/min	0,001–500			Live tools servo-motor	kW	3,7		
Main spindle					Coolant pump	kW	0,75		
Spindle nose		A2-5	A2-6	A2-8	Hydraulic motor	kW	1,5		
Spindle bore with hydraulic chuck	mm	Ø56	Ø61	Ø90	Volume hydraulic tank	l	60		
Chuck diameter	mm	Ø169	Ø210	Ø254	Coolant tank capacity	l	100		
Spindle speed	rpm	10–6000	10–4200	10–3500	Dimensions	mm	3750x2000 x2200	4000x2200 x2200	4000x2200 x2200
Counter-spindle					Weight	kg	5480	6640	6830
Spindle nose		A2-5	A2-5	A2-5	Item-No.		1230012	1230001	1230004
Spindle bore with hydraulic chuck	mm	Ø56	Ø56	Ø61					
Chuck diameter	mm	Ø169	Ø169	Ø210					

*The above specifications are subject to change without prior notice, no liability for printing mistakes. Machine may be shown with optional equipment.