

CNC vertical turning lathe **V-Turn A CNC**



For high-speed turning of large capacity work pieces



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



- Turning of work pieces up to Ø1100 mm (43")
- 12-position tool turret standard
- High machine rigidity ensures long-lasting process accuracy
- Functional and easy-to-operate Fanuc CNC Oi-TD as standard
- High machine reliability due to use of high-quality components manufactured by renowned manufacturer

Standard configuration:

- ✓ Fanuc CNC Oi-TD
- ✓ Fully enclosed working area
- ✓ 12-position tool turret
- ✓ Spindle orientation
- ✓ 3-jaw hydraulic chuck
- ✓ Hydr. oil coolant unit
- ✓ Chain type chip conveyor and cart
- ✓ Automatic central lubrication system
- ✓ Electric cabinet heat exchanger
- ✓ Foot pedal operated hydraulic chuck
- ✓ Working area illumination
- ✓ 3-color signal light
- ✓ Work piece counter (CNC controlled)
- ✓ Coolant supply system
- ✓ Foot-switch for chucking
- ✓ Soft jaws (1 set)
- ✓ Auxiliary service tools
- ✓ Foundation screws and machine feet
- ✓ Operation manual



Optional configuration:

- C-axis with live tools
- Increased motor power: aip50 (22/30 kW) (30/40 Hp), ai30 (30/37 kW) (40/50 Hp), ai40 (37/45kW) (50/60 Hp)
- Electric cabinet air-conditioning
- Automatic access door
 - for X- and Z-axis
- Oil separator
- Coolant fog suction attachment
- Tool measurement system
- Workpiece measurement system
- 2-step gearbox transmission
- Adjustable hydraulic chuck clamping force
- Cooling through spindle (cts)
- Special toolholder (miscellaneous)
- Chip-removal conveyor
- CNC Siemens

Technical specifications		V-Turn A			
		560 CNC	800 CNC	1000 CNC	1320 CNC
Control system		Fanuc Oi-TD	Fanuc Oi-TD	Fanuc Oi-TD	Fanuc Oi-TD
Max. workpiece diameter	mm	Ø 560 (22")	Ø 800 (31")	Ø 1000 (39")	Ø 1320 (52")
Turning capacity	mm	Ø 460 (18")	Ø 760 (30")	Ø 860 (34")	Ø 1100 (43")
Max. clearing height	mm	450 (18")	750 (29")	850 (33")	1000 (39")
Chuck diameter	mm	Ø 305 (12")	Ø 457 (18")	Ø 533 (21")	Ø 1000 (39")
Table rotation speed	rpm	25–2250	25–2000	25–1500	5–850
Diameter of bearings	mm	Ø 120 (4.7")	Ø 160 (6.3")	Ø 200 (7.9")	Ø 200 (7.9")
Spindle nose		A2–8	A2–11	A2-11; (Option: A2–15)	ISO 702–4 Nr. 15 (Ø 380)
Type of tool turret		H12	H12	H12	H12
Number of tool positions		12	12	12	12
Tool shank dimensions	mm	25x25; Ø 40 (1x1;1.6")	32x32; Ø 50 (1.3x1.3;2")	32x32; Ø 50 (1.3x1.3;2")	32x32; Ø 50 (1.3x1.3;2")
X/Z-axis rapid traverse	mm/min	20/20 (0.8/0.8 "/min)	20/20 (0.8/0.8 "/min)	20/20 (0.8/0.8 "/min)	20/20 (0.8/0.8 "/min)
X-axis travel	mm	275 (11")	385 (15")	470 (19")	625 (25")
Z-axis travel	mm	460 (18")	760 (30")	860 (34")	1000 (39")
Working feed	mm/U	0.001–500 (0.00004–19.7 "/rev)	0.001–500 (0.00004–19.7 "/rev)	0.001–500 (0.00004–19.7 "/rev)	0.001–500 (0.00004–19.7 "/rev)
Adjustable feed range	%	0–150	0–150	0–150	0–150
Power of spindle motor	kW	18.5/ 22 (25/30 Hp)	18.5/ 22 (Option: 30/37) (25/30 Hp) (Opt.: 40/50 Hp)	18.5/ 22 (Option: 22/30) (25/30 Hp) (Opt.: 30/40 Hp)	37/ 45 (Option: 45/55) (50/60 Hp) (Opt.: 60/75 Hp)
Power of X/Z-axis drive	kW	3/4 (4/5 Hp)	4/4 (5/5 Hp)	4/7 (5/9 Hp)	4/7 (5/9 Hp)
Overall dimensions	mm	1700x3100x2855 (67x122x112")	1950x3410x3450 (77x134x136")	2100x3500x3900 (83x138x154")	2700x4000x4050 (106x157x159")
Weight	kg	6600 (14520 lbs)	11500 (25300 lbs)	14500 (31900 lbs)	21000 (46200 lbs)
Item-No.		1530015	1530016	1530017	1530018

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