

CNC Heavy Duty, High Precision Vertical Turning Lathe

Manufacturer: You Ji
Modell: VTL 1600 ATC
Serial Number: 02VTL160655
New: 2003-01
CNC Control: Fanuc Series 18-T

Capacity

Table diameter	1600 mm
Swing diameter	2000 mm
Maximum turning diameter	1800 mm
Maximum turning height	1200 mm
Maximum workpiece weight	8000 kg
Maximum torque on table	18750 Nm
Minimum / Maximum distance spindlenose to table (3-jaw) face	800-1600 mm

Table

Table speed	Automatic 2 steps
	Range 1 1 - 70 Rpm
	Range 2 70 - 250 Rpm
Table on machine	Hydraulic selfcentring 3 Jaw 1600 mm
Table Motor	30 min/cont 37 / 45 kW
Torque on table	18750 Nm

Travel and Feedrate

X-Axis travel (Saddle horizontal)	-800 +1015 mm
Z-Axis travel (Ram vertical)	900 mm
Vertical travel of crossrail	4 steps of 200 mm 800 mm
X-Axis cutting feedrate	0 - 2000 mm/min
Z-Axis cutting feedrate	0 - 2000 mm/min
X-Axis manual feed rate	0 - 6 m/min
Z-Axis manual feed rate	0 - 6 m/min
X-Axis rapid traverse	12000 mm/min
Z-Axis rapid traverse	10000 mm/min
X-Axis servo motor	6 kW
Z-Axis servo motor	9 kW

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Automatic Tool Changer

Type of tool holder		MAS BT 50
Tool magazine capacity		12
Maximum tool diameter	ID	175 mm
Maximum tool diameter	OD	200 mm
Maximum tool length		380 mm
Type pull stud		
Size Ram		220 x 220 mm
Ram interference		ø 320 mm
Hydraulic tank capacity		130 L
Coolant tank capacity		550 L
Lubrication tank capacity		4,6 L
Coolant pump		3 kW
Power capacity		85 KVA

Machine size

Required floorspace	width x depth	5850 x 4510 mm
Height		5400 mm
Weight		24000 kg

Complete with

Hydraulic 3 jaw chuck 1600 mm (63"), included 3 hard jaws
 Chip conveyor
 3 colour lamp for work status
 Full enclosed covers
 Manual pulse generator
 Toolchanger for 12 positions