

Special Purpose CNC Grinder (For Slabs of the Railway Table Board)



Machine efficiency

Under normal condition, the allowance of slab is 2mm, the machine can finish machining 10 - 100 pc slabs per 20 working hours.

Item	Unit	Specification
Machining Range	mm	6500 x 2550 x 1200
X Axis Travel	mm	8700
L/R Grinding head cross travel	mm	From the center line of the machine +1800 or -1800
Z1/Z2 Axis Travel	mm	1200
Distance between gantry	mm	6300
A1/A2 Rotating Range		-3o ~ 93o
C1/C2 Rotating Range		-3o ~ 183o
Grinding wheel size (OD x ID x W)	mm	525 x 305 x 200
Grinding wheel speed	rpm/min	500 - 3000
Grinding wheel motor power (Continuous/intermittent)	kW	103/124
Grinding wheel torque (Continuous/intermittent)	Nm	820/1110
X/Y2/Y1 Axis Moving speed	m/min	0 - 20
Z1/Z2 Axis moving speed	m/min	0 - 6
Coolant flow rate	L/min	750
Linear positioning accuracy		0.020/1000; full length 0.07mm
X / Z1 / Z2 Axis motor		8.17kW, 48Nm
Y1/Y2/A1//A2/C2/C1 Axis motor		3.3kW, 16Nm
Engrave spindle motor power	kW	5
Engrave spindle speed	rpm/min	max. 9000
Total Power	kW	350
Machine Weight	ton	70

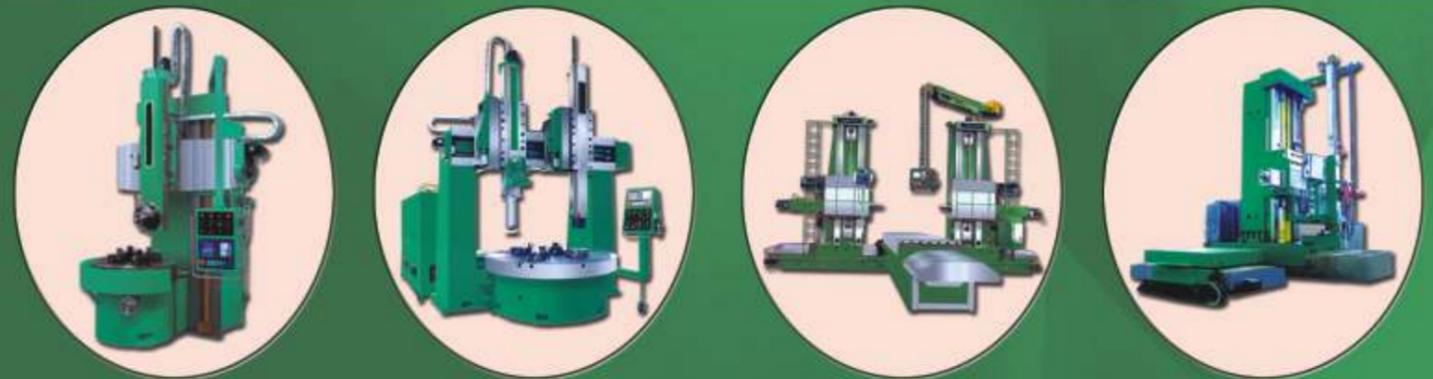


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**Model :
XC3822**



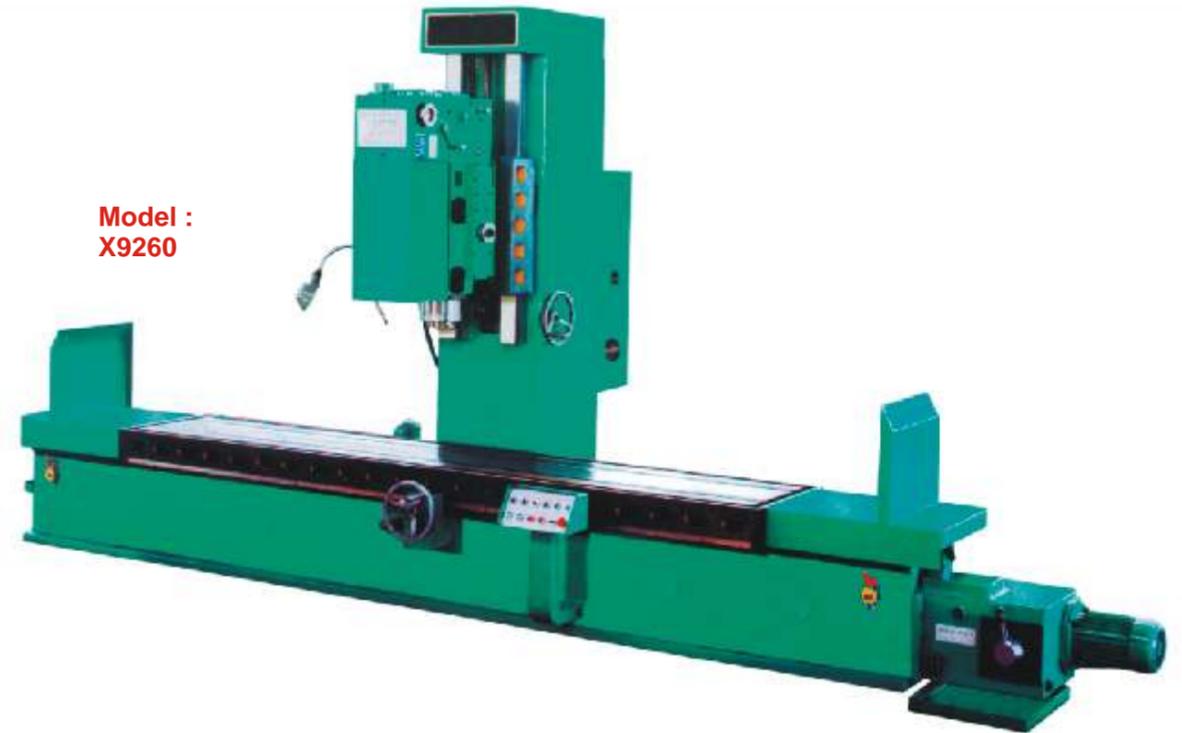
This machine is designed as an integrated structure. The column slide moves horizontally along bed guide ways. The milling head box moves vertically along column guide ways and the shift sleeve of milling arbor moves axially. Since the motor of milling head is powerful, it can be used for rough milling with the large-sized milling cutter. This machine is widely used in mechanical industry for rough machining.

Technical Specifications

Spindle taper diameter		7: 24 ISO60: 107.95
Outer diameter of spindle	mm	221.44
Sleeve diameter	mm	300
Speed range of spindle	r/min	80, 100, 125
Longitudinal movement of bed slide (X)	mm	1500
Vertical movement of column slide (Y)	mm	1500
Shift sleeve movement (Z)	mm	300
Size of workpiece (LxW)	mm	1500x1200 4500x1500
Rapid movement of bed, column and slide	mm/min	2000
Feed range of bed, column and slide	mm/min	2-2000
Min. height between spindle centre and floor	mm	1150
Main motor power	kw	55, 980r/min
Feed motor for bed slide and column slide		1FK7 105 - 5
Motor for shift sleeve movement		1FK7 063 - 5
Machine weight (net)	kg	25000

All specifications are subject to change without prior notice.

**Model :
X9260**



This machine is designed for motor manufacture. It can be used for processing large major axes. The machine is applied to drilling and milling the workpiece in the range of dia 600x3200 specifications. The machine can instead of planer type milling machine when processing large size parts.

Technical Specifications

Milling arbor taper		ISO50
Diameter of milling arbor end	mm	128.57
Width of milling key-way	mm	12 - 60
Diameter of installing tool plate	mm	125 - 315
Max. diameter of axes part	mm	600
Max. weight of workpiece	kg	2000
Rotary speed of spindle (6 steps)	r/min	200 - 630
Main motor	kw	5.5
Area of working table (WxL)	mm	600 x 3300
Travel of working table (X)	mm	3200
Feed speed of working table (6 steps)	r/min	28 - 109
Rapid speed of working table		1020
Distance from spindle end face to working table	mm	400 - 1100
Machine weight	kg	9000
Overall dimension (LxWxH)	mm	5440x1650x2600

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**Model :
TKJ6513x2**



Machine is assembled with two CNC Milling and Boring Machines and a digital read conventional working table in the middle. With a high axiality accuracy (1000:0.05), machine has a high efficiency in opposite face machining, especially for large scale workpiece with hole distance more than 2000mm. By using CNC programs, machine is not only possible to be used for machining different process in two ends, but also all types of holes with high requirement in axiality accuracy.

This machine is widely used for emery, transportation, mine, petrochemical, war industry and machine manufacture and etc. It is the key equipment for machining large case. It can be extended the machining range with equipped accessories.

Technical Specifications

Diameter of boring spindle	mm	130
Diameter of milling spindle	mm	221.44
Spindle taper		BT50
Spindle speed	r/min	3 - 700
Power of spindle motor (frequency conversion)	kw	22
Max. torque of boring spindle	N.m	3500
Max. axial resisting power	N	30000
Table size (LxW)	mm	6000x1400
Table weight	T	10
Transverse travel of table (X)	mm	6000
Vertical travel of spindle head (Y)	mm	2000
Axial travel of spindle (Z)	mm	1000
Longitudinal travel of vertical column (W)	mm	1200
Feed rate (X)	mm/min	2.5-112 (rapid speed 2000)
Feed rate (Y, W)	mm/min	5 - 2000
Feed rate (Z)	mm/min	1 - 3000
CNC System		SIEMENS 840D
Overall dimensions (LxWxH)	mm	8800x4300x5900
Weight of Machine	T	70

All specifications are subject to change without prior notice.

**Model :
HTK (X) 250**



HTK (X) 250 is the accessory for CNC floor-type milling and boring machine. It can be associated with the machine tool for milling angle, reverse boring, polyhedral machining and other complex processing. The main machine fitted with right angle milling head in order to realize five sides processing.

The main characteristics:

1. The rotary bearings of the table adopts double row cylindrical roller bearings and central unloader equipment which enhanced the accuracy of the table.
2. The working table linear guide way is coated with plastic tapes and the rotary motion fitted with the compound guide way, bonded plastic and rolling to realize high accuracy, enough abrasability, high contact rigidity, convenient maintenance. So the moving parts can move stably.
3. The linear motion feed mechanism of the working table is composed by anti-backlash reducer and ballscrew. The rotary motion feed mechanism adopts the drive structure that the rim gear wheel is driven by servo motor and double pinion drive on the anti-backlash worm gear box. It can guarantee the high drive accuracy.
4. The linear motion fitted with linear grating scale. The high resolution rotary encoder for the rotary motion to realize full close cycle control. It is to ensure the high accuracy of positioning.
5. This table can used separately with operational electric carbinet, it can also associated with the digital display or electrical handwheel rotary table.

Technical Specifications

Size of rotary table surface	mm	2500 x 3000
Total height of rotary table	mm	1300
Max. load of rotary table	T	50, 60
Linear travel of rotary table	mm	2000, 3000
Linear travel speed range of rotary table	mm/min	2.5 - 2000
Rotary speed range of rotary table	r/min	0.001 - 0.55
CNC System		SIEMENS/FANUC
Servo Motor		14kw 75N.m
Total weight of rotary table	T	25, 30
Overall dimension (LxWxH)	mm	6744x2810x1300 5744x2810x1300

All specifications are subject to change without prior notice.