

CNC 6 Sides Boring Machine NCB2412S



* Due to the continuous improvements of our products, some machine changes may apply. The specifications are subject to change without notice.

Description

- powerful CNC CONTROL SYSTEM equipped with software to run for high process efficiency and easy operation
- full function operation mode to satisfy different process requests
- top drilling blocks ver. 15 plus hor. X & Y 2x2+2x2,
- 1 bottom drilling block with ver. 10
- 33 drills in total
- top and bottom 3,5 kW spindle router
- adapts 7 kinds of file format and common furniture design software

Equipment

Body frame

- heavy duty machine body welded with rectangular tubes and laser-cut steel plates with enhanced stability and strength
- vibration reduced
- gantry and machine as one organic structure of high rigidity

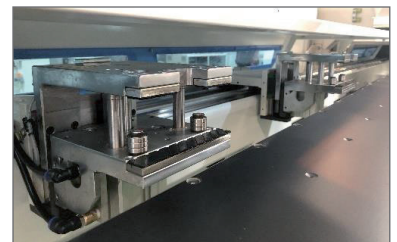
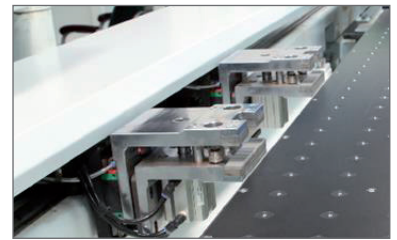
Infeed

Air float table

- air float feed table with steel balls ensures smooth and scratch-free panel transmission
- air supplier: 1.1 kW

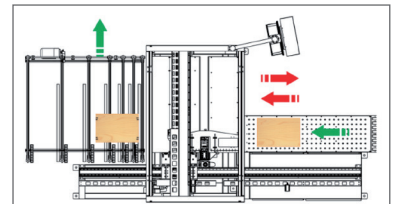
Dual clamps

- long guiding rail with dual clamps for fast processing work of various work pieces
- special air blow design to clean the clamp before clamping the workpiece



Outfeed

- can choose feed mode feed-in & out in front side or feed-in in front and feed-out in back
- brushes and conveyor belt to protect panel surface



Positioning

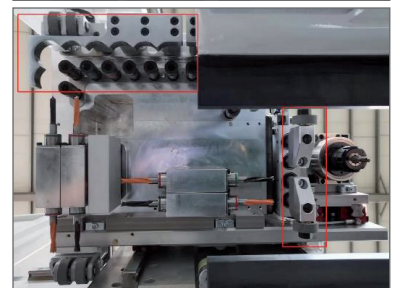
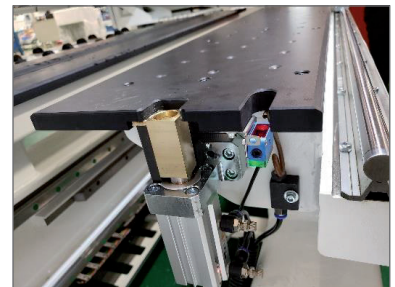
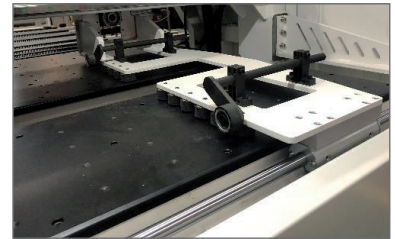
Side alignment

- dual clampers cooperate well with auto side alignment to guarantee precision and stability in panel processing

Stopper

- strong stopper to ensure stable alignment
- sensor measures the workpiece X length
- air blower cleans the dust on the sensor

Pressure device



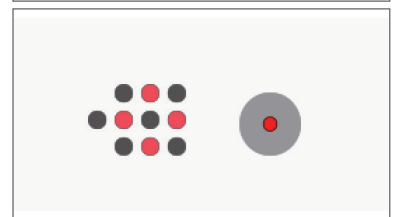
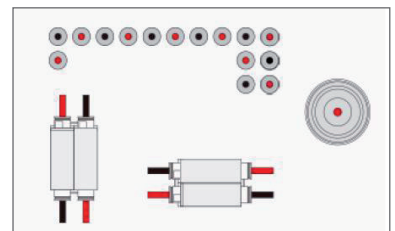
Drilling blocks

Top drilling block

- 3.5 kW main spindle + 1 drilling block, increasing
- vertical drills: 15
- horizontal drills: 2x2 in X direction; 2x2 in Y direction

Bottom drilling block

- 3.5 kW main spindle+ 1 drilling block
- 10 vertical drills

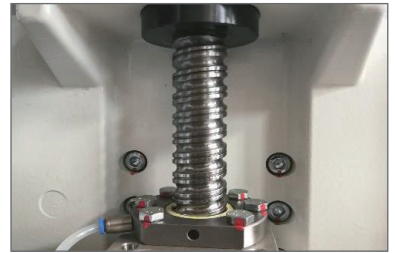
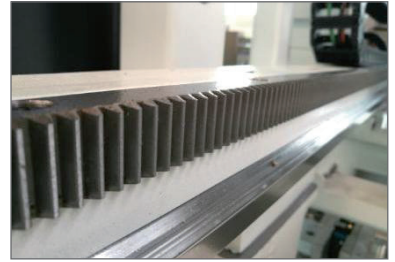


Movement of axes

- X axis: rack and pinion
- Y axis: rack and pinion
- Z axis: ball screw

Servo motor

- accurate movement of each axis is ensured by the high quality servo motors
- X axis: 2 x 0.75 kW
- Y axis: 3 x 0.85 kW
- Z axis: 3 x 0.85 kW
- max. travelling speed: X/U/Y/Z:135/135/75/30m/min



Drag chain

- high-quality drag chain used to drag and protect electric wire and air tube during movement of each axis for longer service life



Hand wheel

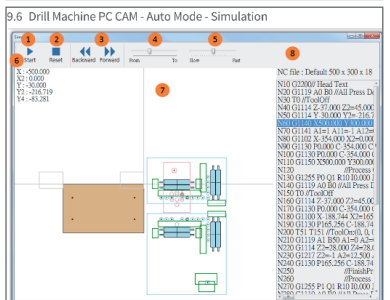
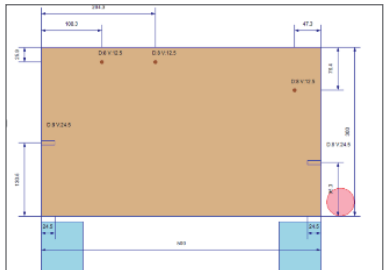
- hand wheel makes commissioning more convenient



Min. workpiece dimensions

- NCB2412S drilling block design and software can do drilling for 30 x 250 mm





Technical Data

Workpiece dimensions	length	250-2,400 mm
	width	30-1,200 mm
	height	8-50 mm
Work table	material	HPL+steel
	size	2,150 x 600 mm
	height	960 mm
Max. travel speeds	X axis	135 m/min
	Y axis	75 m/min
	U axis	135 m/min
	Z axis	30 m/min
Main spindle	amount	1
	power	1 x 3.5 kW
	collet chuck	ER25
	speed	max. 18,000 RPM
Drilling block	amount	1 upper unit, 1 lower unit
	vertical drills (upper unit)	15
	vertical drills (lower unit)	10
	horizontal drills (upper unit)	8 (X 2 x 2, Y 2 x 2)
	max. drill diameter	35 mm
	drill grid	32 mm
	speed	4,000 RPM
	shank diameter	10 mm
Compressed air	required air pressure	7 bar
Dust extraction	pipe diameter	bottom: 125 mm x 1, top: 150 mm x 1
	min. dust extraction speed	28 m/s
	extraction connection	Ø 250 mm, height 2,400 mm
	extraction capacity	min. 4,950 m³/h
	pressure loss	min. 2,200 Pa
Note: Weight relief at extraction hose!		
Air blower	power	1.1 kW
Power supply	power	18 kW
	frequency	50 Hz
	voltage	400 V, 3 phases
Machine dimensions	space requirement	5,602 x 2,287 mm
	height	2,043 mm
	weight	3,500 kg