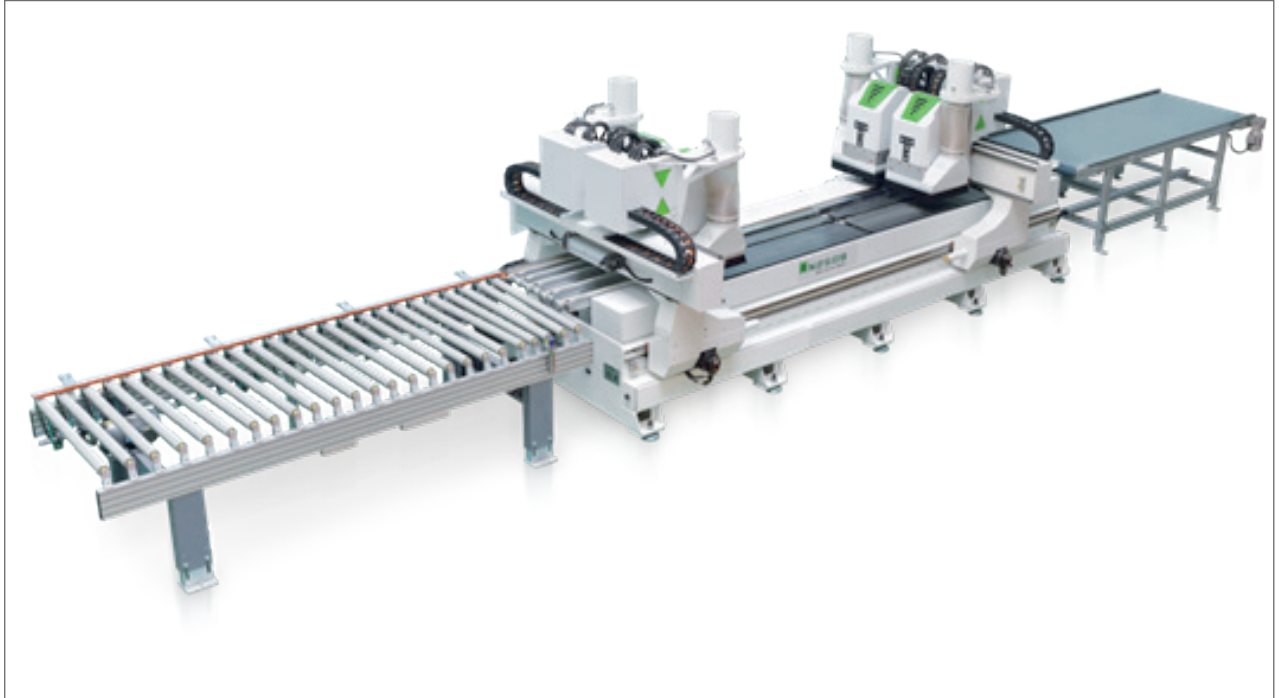


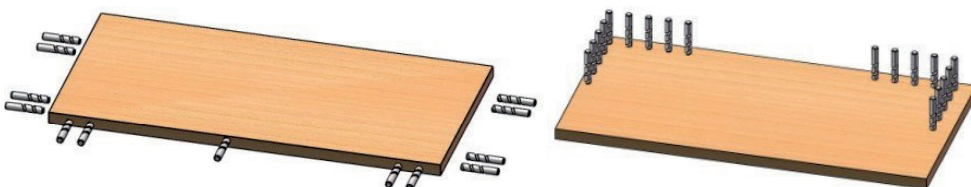
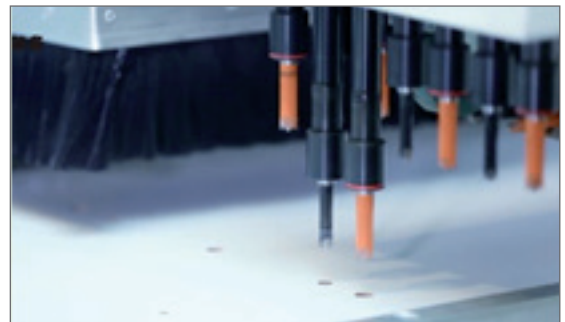
Feed Through CNC Drilling Machine N2508

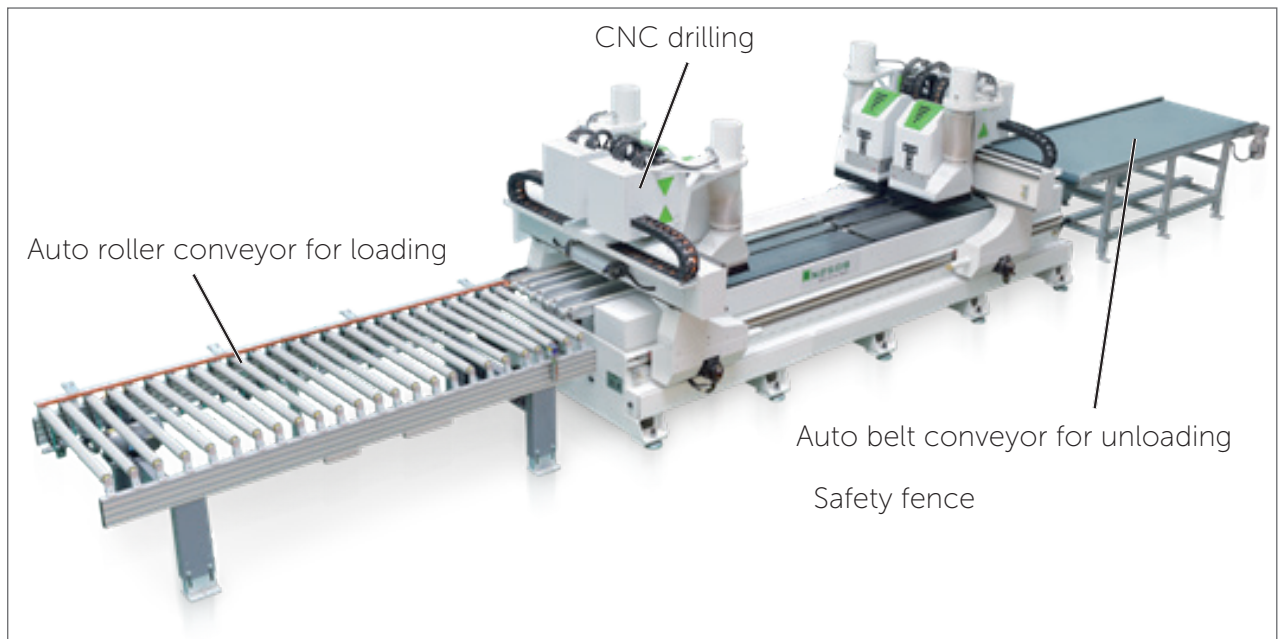


* Due to the continuous improvements of our products, some changes for better machine may apply

Description:

- continuous feed through CNC drilling machine for low batch sizes, with high efficiency, accuracy, flexibility, and more advantages in production
- dual gantries with 4 boring blocks, totally 84 vertical bits and 16 horizontal individually selectable drilling spindles
- vertical drilling from the top and horizontal drilling from 3 sides





Equipment

Machine base

- machine base welded from rectangle steel tubes.
- working range up to 3,000 mm x 800 mm
- separate servo motor for each processing unit (16 in total) to save processing time



Roller conveyor for loading and unloading

- rollers mounted at an angle for secure alignment
- driven by powerful motor
- rollers are covered with rubber for increased friction
- automatic loading allows to integrate the machine into production flow



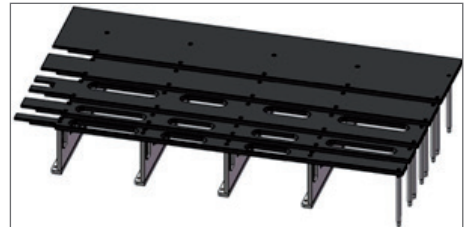
4 section belt conveyor system

- PU synchronous belt system with grooves for high transmission efficiency
- 4 section belt conveyor system independently controlled
- consists of two simultaneously working stations, unloading station for reduced transmission time
- working station 1 and 2 are driven by frequency controlled inverter servo motor, for controlled acceleration and high speed
- large torque AT10 tooth belt system
- independent workpiece positioning within the two stations allow to increase productivity



Working table

- resistant phenolic board for high accuracy, especially in horizontal drilling
- easy to change



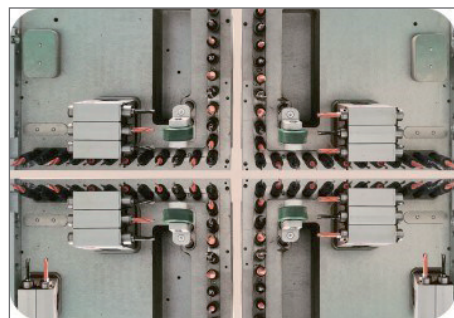
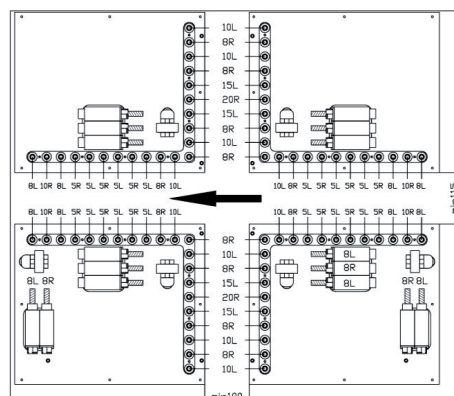
Vacuum suction system

- vacuum will be activated automatically according to panel size for horizontal drilling
- rising and pulling panels tightly while drilling
- vacuum cups for perfect suction capacity
- dust hoods for clean processing
- vacuum pump:
 - 5.5 kW
 - air cooling
 - suction flow rate 160 m³/h
 - suction pressure 0.5 kg/cm²



4 drilling units

- 2 independent gantries
- master and slave driving system for the gantries
- 4 independent drilling heads (Y axis / Z axis) to drill 2 boards simultaneously
- cross layout of 4 drilling heads allows close drilling
- 100 drills in total:
 - vertical: 21 x 4
 - horizontal: 3 x 4 in X; 2 x 2 in Y
- top pressure device for high horizontal drilling accuracy



Guiding ruler

- clamps the panel in Y direction
- rise and fall in X direction to ensure horizontal pressing



Auto unloading

- dust extraction at the unloading table keeps the table free from chips and dust



Dust extraction

- hose diameter: Ø 200 mm
- number of outlets: 4
- required suction speed: 28 m/s



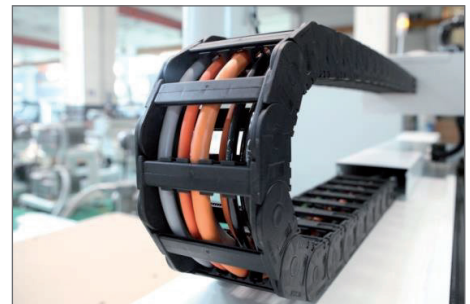
Automatic lubrication system.

- designed to grease machine components automatically to prevent machine components from aging, saves maintenance costs and labour



Drag chain

- High-quality drag chain used to drag and protect electric wires and air tubes during main spindle moving in X and Y direction
- Keeps electric wire and air tube in order



Hand wheel

- 14 gears hand wheel in order to operate X, Y, Z, U and V



Control system

- IPC with 17" screen
- from USB port
- SYNTEC system: tool list, production list, panel, information on machine status, use of open FCC software possible



Technical Data

Panel size	length (double working station)	250 - 2,500 mm (2 x 250 - 2 x 1,300 mm)
	width	120 - 800 mm
	thickness	12 - 50 mm
Drilling block	Vertical drills	21 x 4
	Horizontal drills	X=3 x 4, Y=2 x 2
	Rotating speed	4,000 rpm
Traveling speed	Max. speed along X direction	80 m/min
	Max. speed along Y direction	80 m/min
	Max. speed along Z direction	20 m/min
	Max. conveying speed	80 m/min
Vacuum pump	Power	5.5 kW
	Suction flow rate	160 m ³ /h
	Suction pressure	0.5 kg/cm ²
Dust extraction	Outlet diameter	Ø 200 mm x 4
	Speed required	28 m/s
Air supply	Air pressure	7 kg/cm ²
Power supply	Voltage	400 V, 3-phase
	Frequency	50 Hz
	Total power	41 kW
Machine dimensions	L x W x H	11,200 x 2,100 x 2,300 mm
	Net weight	5,000 kg

Note: The company reserves the right to improve the product specifications and design details, the specifications are subject to change without notice.