

Side Boring Machine NCB2806

Nanxing Machinery

Guangdong China



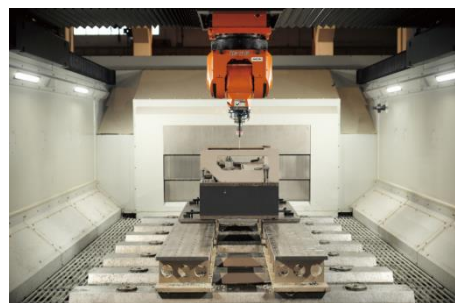
Description

NCB2806 is designed to process side boring and grooving work of work piece, 3 working stations is able to process three work pieces in one cycle. Side boring could be done automatically according to the hole position on top by using laser detector. Fast processing, save time, save space, simple operation, and save money.

Details

1. Machine body

- Heavy duty bed-structure machine body is welded with square tube and laser-cut steel plates, then through processing of advanced CNC machine for metal work, hence enhance the stability and strength, reduce the vibration in the process;
- Gantry and machine body have been designed as one organic structure of high rigidity;
- Some casting parts used on the machine guarantees long service life without deforming.



2. Quality control

- Advanced measuring equipment and strict QC system also help to make sure the final machine we offer to our customers are of high quality;



3. Movement of each axis

X direction

- Long rack and pinion along X direction improve accurate movement of the gantry, partly reducing the possible vibration in the process.



Y direction

- Ball screw gives the machine added precision in Y direction. Max speed up to 30m/min;



Servo motor

- Accurate movement of X axis ensured by 0.75kw servo motor, travelling speed up to 80m/min.



4. Side positioning

- Rise automatically while start processing to ensure the work piece in proper area for better drilling& grooving accuracy.



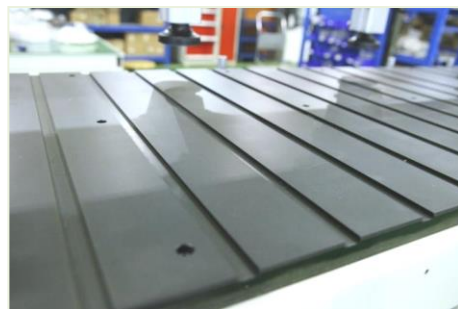
5. Top presser

- Press the work piece tightly in the process coupled well with side positioning device for higher boring precision.



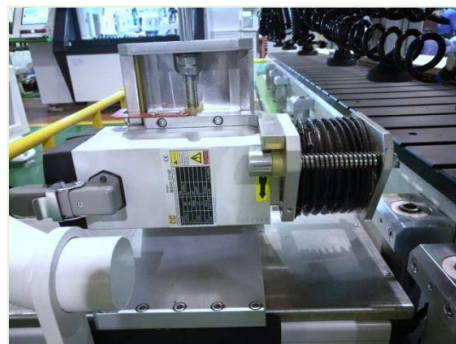
6. Working table

- One-piece high-pressure table plate of longer service life is easy to install or change; Table size: 2750x1000mm;
- 800mm in height is most suitable for loading work piece by operator;



7. Processing unit-main spindle

- Side boring and grooving are executed with 2.2kw 18,000rpm main spindle.
Working range: X axis: 50-2750mm;
Y axis: 100mm; Z axis: 50mm



8. Separate 3 working stations

- 3 working stations max. process three work pieces in one cycle.



9. Drag chain

- High-quality drag chain with metal cover to drag and protect electric wire and air tube during main spindle moving in X direction, keep in order.



10. Automatic lubrication

- Grease main transmission components automatically so as to prevent machine components from aging thus reducing the maintenance work by operators.



11. Safety fence

- Moving range of main spindle is covered with safety fence to avoid possible injury.



12. Laser detection

- Side boring could be done automatically according to the hole position on top by using laser detector, reorganization is accurate even suitable for work piece in different color, thus improving the productivity.



13. Touch screen

- 7" simple touch operation interface, easy to operate.
1 pc USB port



14. Control cabinet

- Most components are using world famous brand for longer service life and stability.



Technical Data

| | | |
|-------------------------|-----------------------------|------------------|
| Panel width | 50-600mm | |
| Panel length | 50-2750mm | |
| Panel thickness | 10-50mm | |
| Working range | X axis :50-2750mm | Y axis: 100mm |
| | Z axis: 50mm | |
| Travelling speed | X axis: 100m/min | Y axis: 30m/min |
| | Z axis: Manually | |
| Working table | 2750x1000mm | Height: 800mm |
| Main spindle | Qty. 1 | Power: 2.2kw |
| | Rotating speed: 18000rpm | |
| Power supply | Voltage: 380V, 3-phase | Frequency: 50 Hz |
| Dust collector | Φ75mm | |
| Total power | 4kw | |
| Floor space | LxWxH: 3,500x2,000x1,500 mm | |
| Net weight | 1,500kg | |

**Thanks for the attention!*

The company continuous to improve the product specifications and design details, the specifications are subject to change without notice. 80907