

Hydraulic Cold Press Mh3284X50 [2500x1250mm | 50T]

MH3284x50



TECHNICAL DATA

- Working table size : 2500x1250 mm
- Max. Pressure : 50 T
- Max. Work piece thickness :900 mm
- Total Power :4 kw
- Net Weight : 2100 kg
- Overall Dimensions : 2900x1330x2850 mm

Accessories Not Supplied with machine

- Electrical connections & cables
- Pneumatic connections & pipes
- Raw materials
- Hydraulic & Thermic Oil

NC Sliding Table Saw MJK1132F1



Description

MJK1132F1 makes sliding table saw cutting easier and precise. Up, down and tilting of main saw and scoring saw blades is controlled electrically by just pressing buttons. And rip fence enables to move to required position by inputting number in user-friendly touch screen which offers machine max operation convenience, also digital displace on guiding board helps to read number easier and accurately.

Details

1. Machine frame

- The steel frame welded with heavy steel plates is made by top-top metal processing center. After heat treated and constructed, the steel frame is solid and stable that permits high capacity cutting.



2. Sliding table

- Easy running sliding table ensures the straight cut. It could be locked at any position along the rail and make it easy to cut as per intended dimension.



3. Single sided mitre fence

- Single sided mitre fence helps for precise cutting of mitres. It is easy to set and fixed on the sliding table.



4. Digital display of rip fence

- Cross-cut fence can easily move from the front to the back for different cutting requirements, it is very important for the precise cutting.
- Double rulers coupled with digital display help operator to read max. 3.1m cutting length by requirement, then lock the handle position for cutting precisely.



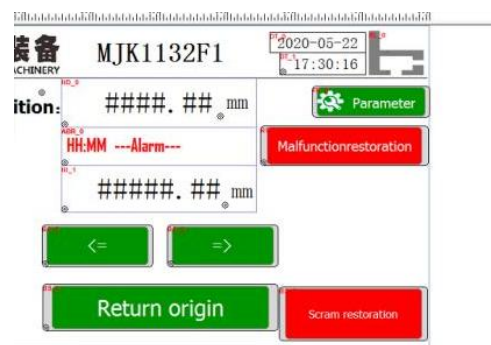
5. Digital cross-cut rip fence

- Movement of rip fence is automatically by just inputting number in touch screen, servo motor control for accurate movement.



6. Operation panel

- Rip fence enables to move to required position by inputting number in user-friendly touch screen which offers machine max operation convenience



7. Electrically control

- Up, down and tilting of main saw and scoring saw blades is controlled electrically by just pressing buttons



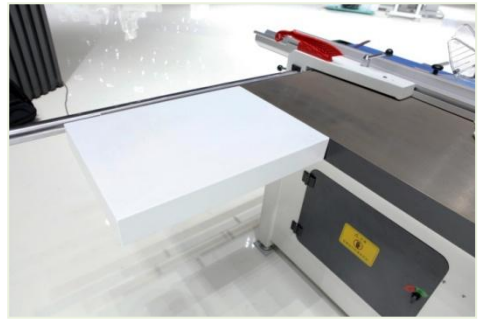
8. Powerful saw motor

- Powerful motors to ensure excellent cutting performance;
- Main saw blade rotating speed can be easily switched over between 5200 and 3800 rpm.



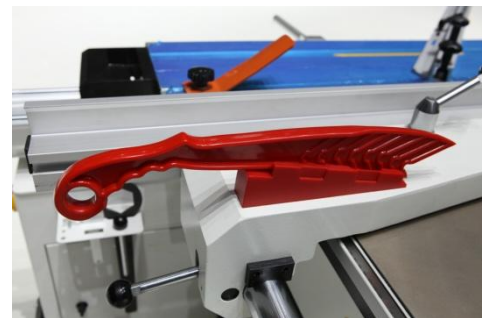
9. Strong working table

- Extended working table with high rigidity and stiffness, that means longer service life and stable cutting.



10. Push stick

- The push stick is important safety tools for cutting narrow work pieces. The push stick is used for cutting work pieces within the danger zone of the saw blade (<120 mm). The push stick must be used for cutting narrow work pieces (<30 mm).



11. Europe Dust collection

- Big Europe dust collection prevents scrap and dust efficiently, provides good processing condition.



12. Tool holder

- Tools holder on the machine provides maximum convenience to change saw blade or other applications.



13. Lubrication

- Lubrication for keeping machine components running smoothly, easy to operate.



14. Control cabinet

- Compact and simple structure, save space.
- All electric components adopted famous brand for higher quality and stability.



Technical Data

| | |
|-------------------------------|--|
| Max. cutting length | 3100 mm |
| Max. cutting thickness | 0°:100 mm; 45°:70mm |
| Main saw | Power: 5.5kw Rotating speed: 3800/5200rpm Saw blade diameter: (φ300-φ350) *φ30mm |
| Scoring saw | Power: 1.1kw Rotating speed: 9000rpm Saw blade diameter: φ120*φ22mm |
| Dust collector | φ120mm |
| Saw blade angle | 0-45° |
| Power supply: | 415 V; 50 Hz |
| Air pressure required: | 0.7 MPa |
| Total power: | 6.6 kW |
| Approx. weight: | 980 kg |
| Overall dimension: | 3,300*3,430*1,670 mm |

**Thanks for the attention!*

The company continuous to improve the product specifications and design details, the specifications are shown here subject to change without notice. 200401

Edge Banding Machine NB7CJ

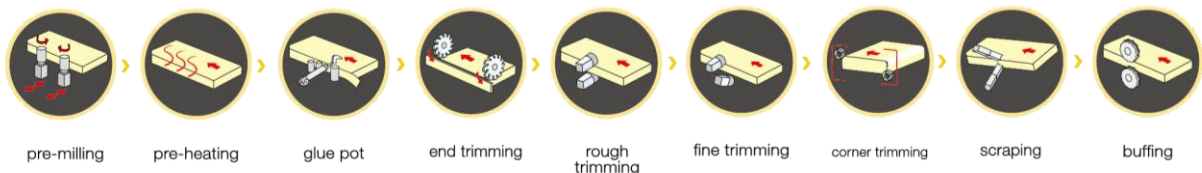
(with pre-melter)



Description

- Heavy duty machine body and most mechanical machine parts are proceeded by advanced CNC machines for higher stability and longer service life without deforming;
- Pre-melter gluing system
- Merges numerous functions in one machine, including pre-milling, pre-heating, pre-melter gluing system, snipping, end trimming, rough trimming, fine trimming, corner trimming, scraping, spraying and buffing, edge banding work can be done in one process.
- Automatic standby, one-button wake-up device and energy saving;
- Most electric components are in world famous brands.
- Customer Reference: **30+** countries; **2000+** machines

Edge banding direction



Details

1. Machine body

- Heavy duty machine body is welded with thick 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; Machine net weight up to **3670kg- very heavy duty**;
- Frame body pass the **heat treatment** and **vibration aging treatment** to guarantees the whole service life without deforming.
- After **sandblasting** and **painting**, the top-grade CNC metal processing machines are used to process the body and components to make sure perfect quality and detail.



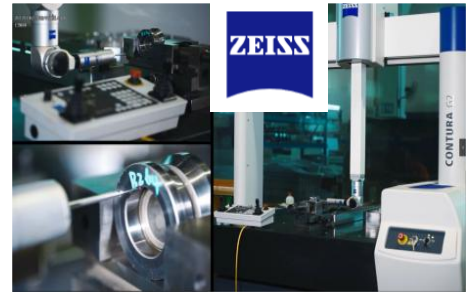
2. Professional assembly line

- Nanxing follow the SOP and set up the professional assembly lines. All the assembling is worked out by the experienced technicians that guarantee machine standardization and performance.



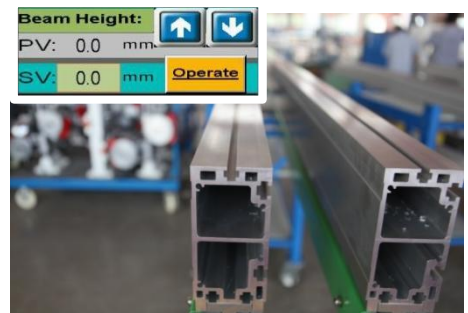
3. Quality control

- Advanced measuring equipment and strict QC system help to make sure the machines and parts are checked and certificated by very high standard.
- All the machines are delivered with Quality Certificate signed by QC specialist.



4. Top presser

- Aluminum pressure beam provides excellent stiffness and long service life.
- The height of presser beam adjusted automatically based on work piece's thickness just by inputting the work piece information on touch screen which saves a lot of time.
- Rubber rollers connected compactly in rows press work pieces tightly to make sure the work pieces could convey without displacement, wearproof.



5. Conveyor

- Long straight semicircle guide rail is through hard treatment before installation, conveyor piece can perfectly contact with the guide rail, almost no gap.
- Two steel rods of high rigidity connect the “stretched support conveyor” to the machine body to ensure the stable conveying of the wide work pieces. Max stretching width is 600mm.
- Long steel guiding plate of high thickness and rigidity for longer service life. Position is easy to adjust.
- The conveyor motor makes variable frequency starting possible, very stable and equipped with braking system. Easy to install or uninstall.



6. Pre-milling

- Pre-milling with **diamond cutter** $\varnothing 125 \times H43 \times \varnothing 30$ Z3+3 simply handles the work piece edge before gluing offers optimum basis of binding effect.
- Two motors controlled pneumatically, milling panel edge intermittent. $2 \times 3.7\text{kW}$ motors; 200Hz
Rotating speed: 12,000 rpm.
- Fully covered dust cover.



7. Spraying device (release+ cleaning agent)

Spraying release agent on workpiece surface reduce the adhere of glue, then spray clean agent before buffing thus reduce possible glue line effectively. You would need clean by hand if without this function



8. Pre-heating

- Warm the work piece edge, the glue could well melt during gluing, especially suitable for wet or cold zones.



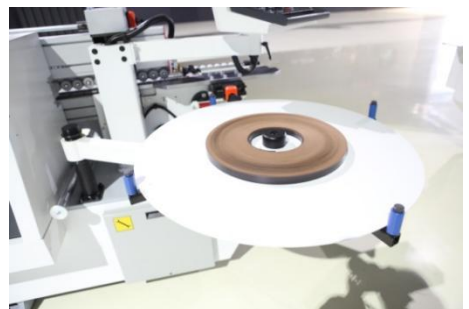
9. Pre-melter gluing system

- Pre-melt gluing system has a glue tank on top to offer proper glue volume according to processing, save heating-up time, and a small glue pot on bottom, thus reducing the carbonization and vulcanization from burning up of glue resins, keep glue always fresh.
- Liquid level sensor detection device controls the glue amount accurately so as to prevent overflow.
- Just one screw to release and install glue pot, 60mm high gluing roller, more glue supplying suitable for mass production, long parts.
- Sliding seat, easy to switch between pre-melter and PUR device. (PUR device is option)



10. Coil tape feeder

- Edge tape supporter of high quality is in proper height for smooth edge tape feeding and longer service life. Machine screen will appear alarm when edge tape is used up. Save waiting time.



11. Snipping

- Snipping air cylinder with electric controlled switch to cut the edge tape properly.



12. Pressure rollers

- One pre-pressure roller of 100mm diameter coordinates well with four post rollers make edge tape pressed on edge surface firmly.



13. Lubrication oil pump

- Lubrication pump for daily maintenance, greasing work of guiding rail just by pulling the handle. Easy and save time.



14. End trimming

- Linear guide way structure at an angle of 45 degrees with 2 motors 0.35kw 200hz 12000rpm/min to remove the extra edge tape on front and back.
High precision linear guides – for very high repeatability.
- With dust collection on top
- 2pcs of saw blades (105*3*22*24Z) with independent cover.



15. Rough trimming

- Rough trimming unit with 2 powerful motors of world famous brand (power 0.75kw; frequency 200hz; rotating speed 1,2000rpm/min), 2 milling cutters with two stiff steel positioning guides;
- Independent cover keeps scraps from flying, and guiding to machine bottom.



16. Fine trimming with pneumatic auto tools adjustment

- 2 motors (power: 0.55kw; frequency: 200hz, rotating speed: 12000rpm/min). 2 fine trimming milling cutters (Standard: R1.5);
- 2 position tool adjusting, just one click to switch between thin edge to thick edge which saves time of adjusting.
- Guiding board with high stiffness and independent cover on cutters for longer service life.



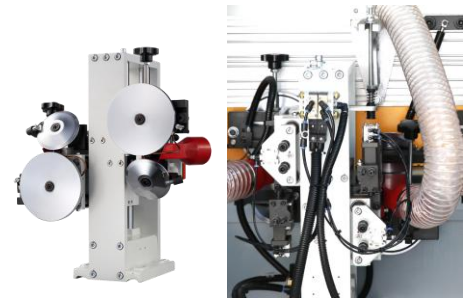
17. Corner trimming unit

- Designed to trim sharp corner on front, back and two straight edges so as to achieve R circular arc radius.
- Driven by 2 motors (power: 0.3kw; frequency: 200 Hz, rotating speed: 12000rpm/min).
- Planar linkage with 2 corner trimming tools R1.5 3Z
- Rotating angle is adjusted automatic with an electric sensor, heavy duty designed.



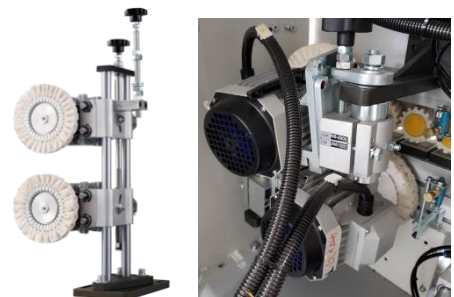
18. Scraping unit with 2 position pneumatic auto adjustment.

- Scraping the edge by R1.5 cutters (Standard), making edge banding more beautiful.
- 2 position tool adjusting, just one click to switch between thin edge to thick edge which saves time of adjusting.



19. Buffing

- Buffing by dual screen cloth structure is the last step to make perfect edge banding to make the edge shining, more stable.



20. Safety device

Feeding protector and thickness detection

- Protector prevents any possible accidents and ensures safety of operators, automatic monitoring abnormal operation.
- Work piece thickness detection, if work piece thickness over the limited position, conveyor will stop at once to reduce machine damage.



Interval feeding detection system

- Keep work pieces in proper distance for max edge banding performance.



E-STOP

- To stop running at once, guarantee operator life safety.



21. Dust collection

- Independent suction hood ($\varphi 125\text{mm}$) on processing units are fully covered: Pre-milling*1; End cutting*1; Rough trimming *1; Fine trimming *1; Scraping *1, totally 5 sets.



22. Remote switch & Indicator light

- A switch enables the operator to stop or start the machine anytime during the process that provides the max. convenience to adjust or test the machine.
- Indicator light, the operation status of the machine is available at a glance.



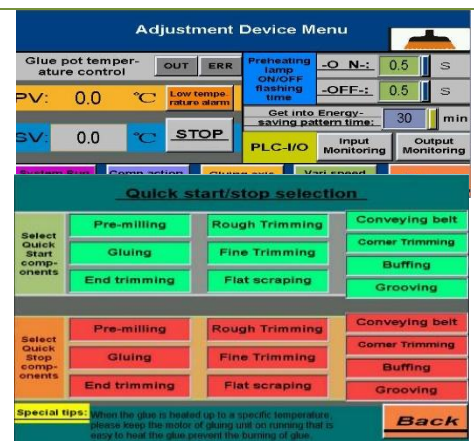
23. Control system

- 10" touch screen. Operation interface is intuitive and simple, available to control each component independently easy for testing and commission work.
- System languages: English, simplified Chinese, and traditional Chinese.



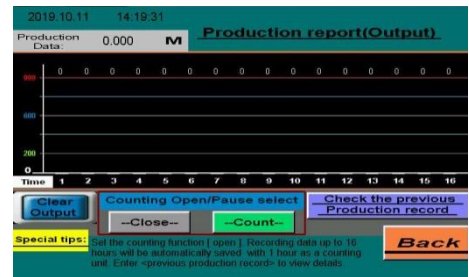
24. Energy saving

- Stand-by mode automatically turned on when machine stops working for a certain period (according to setting time) in order to save energy. Only one click to re-start production.
- One-click Selection, quick start/stop.



25. Production report

- Daily production included workpieces number and length is available at a glance



26. Electric equipment

- PLC control, input voltage 380v, 50Hz (Standard).
- The position can be calculated precisely by encoder
- Each processing unit is controlled and protected by independent frequency converter with motor braking function.
- Most of electric components of the machine adopted international brands for high quality and generality.
- Good documentation, each wire has a unique code label which offers max convenience for troubleshooting and online support.



Technical Data

| | |
|-------------------------------|----------------------|
| Panel length: | ≥120 mm |
| Panel width: | ≥80 mm |
| Mini. Panel size: | 120×80mm |
| Panel thickness: | 10-60 mm |
| Edge tape thickness: | 0.4-3 mm |
| Feeding speed: | 16/20/24 m/min |
| Power supply: | 415 V; 50 Hz |
| Air pressure required: | 0.7MPa |
| Operation system | 10" touch screen |
| Dust collector | Φ125mm×5 |
| Total power: | 24 Kw |
| Approx. weight: | 3,670 kg |
| Overall dimension: | 7,700*1,450*1,650 mm |

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CNC 6-Sided Drilling Machine ND512TS

(1 drilling block+grooving saw blade+5.5kw ATC4 main spindle)



Description

- Multi-functional CNC drilling machine is able to drill from 6 sides.
- Independent top grooving, 5.5kw main spindle of 4-slot tool changing magazine, and 1 drilling block on top, one drilling block and one main spindle on bottom meet different process requests and gives batch-size-one production max flexibility;
- Software is open port, support most formats in market.
- Compact design, save space



Details

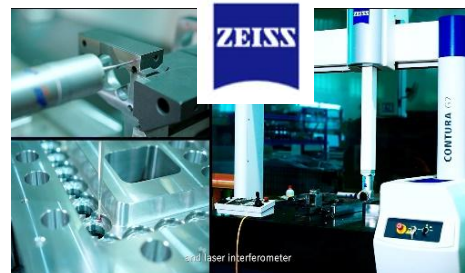
1. Machine body

- The machine adopts an integrated heavy-duty frame structure body, designed with finite element analysis to ensure operational precision.
- The entire bed undergoes stress-relief annealing, vibration aging, and shot peening treatment to enhance stability.
- Constructed with rectangular square tubes and a monolithic frame, the machine is integrally formed in a single process using Japan's SNK machine tools."



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;
- All the machines are delivered with Quality Certificate signed by QC specialist.



3. Professional assembly line

- Assembly is final and important step for better machine performance. Nanxing's professional assembly lines from machine body to small electrical components were by experienced technicians that guarantee machine standardization and performance.





4. Long clamp beam & fast clamps

- The design of 3.3m longer high-rigidity clamp beam on two sides ensure stable and fast clamp moving with least vibration, and reduces the frequency of switching clamp during processing, thus higher efficiency.
- Clamp finger is 5-65mm open&closing range; working range 3.2m;
- The movement of clamps is controlled by servo and along inclined rack&pinion for accuracy in process;
- High quality cable chain



5. Positioning

Side aligner

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



6. Accurate movement of each axis

Transmission mode

- X&Y axis by highly precise rack and pinion,
- Z axis by ball screw rod;



Servo motor

- The accurate movement of each axis is ensured by the high quality servo motors.
- X direction:0.75KW (2pcs)
- Y direction:0.85KW (1pc) .1.3KW (1pc)
- Z direction:0.85KW (2pcs)
- V2 axis (pusher :0.4KW (1pc)
- Max travelling speed:
X/U/Y/Z/V:135/135/75/30/30m/min



7. Auto greasing

- Linear guiding rail and bearings can be greased automatically by electrically controlled greasing pump, save maintaining job.



8. Board size detector

X direction board length detect

- There would be alarm when lengthwise detector detects length is not correct to ensure operator puts the right board.



Board width detect&offset

- Configured on drilling block to detect the board width and compensate the board width errors, so as to avoid the hole position error caused by different benchmarks. Accuracy is up to 0.02mm.





9. Processing units

Top processing unit

1 Top drilling block

- Vertical drills: 10; 1.7kw
Horizontal drills: 2+2 in X direction; 2+2 in Y direction.
5000rpm rotating speed, hole edge is smoother, friendly for hinge hole.
Max drill bits diameter 35mm,
drill bits spacing 32mm,
drill head shank diameter 10mm
Drill bits length 70mm

One 5.5kw main spindle

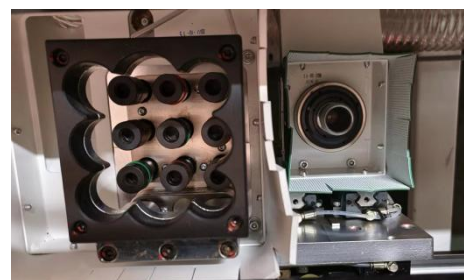
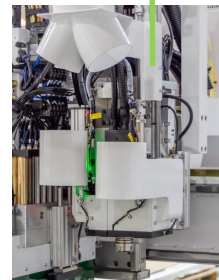
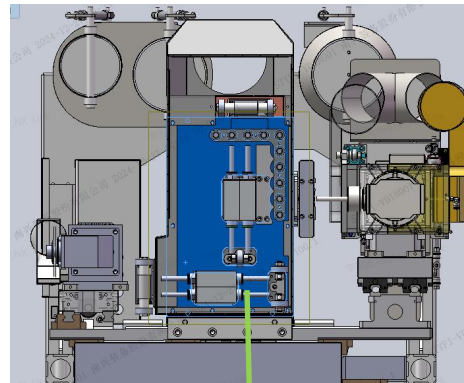
- **Type:**ER35, 5.5kw,
- Rotating speed:18000 rpm (4000rpm when use aggregate)
- 2-piece independent presser for better dust performance;

Independent grooving saw

- Motor:1.7KW*1
- Saw blade size:Φ100*Φ22*δ4
- Processed in X direction.Processing range:50-1000mm,the panel width cannot be less than 50mm.
- Processing depth: within 12mm
- The groove width:4-8mm,when the groove width is 4mm,it can be done in one time, if the groove width is greater than 4mm,need to mill 2 times.

Bottom processing unit

- 3.5kw main spindle ER25+ one boring block 1.68kw with 9 vertical drills 18000rpm
- Bracket rises to support boards when do top processing, prevent accuracy issue caused by board deform;
- Col-linear vertical drills of top and bottom drilling blocks, faster to drill through holes.





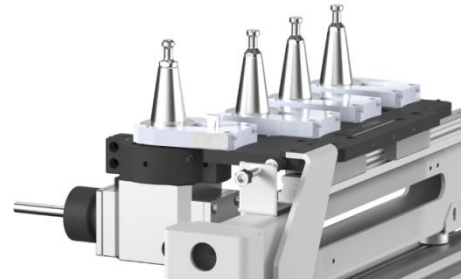
10. Tool measuring gauge

- Without need of setting tool tip by manual, by using tool setting gauge, main spindle can change tool automatically;



11. 4 slots tool changing magazine

- Tool Magazine Type: 4-tool magazine, linear arrangement
- Tool Holder Model: ISO30
- Collet Specification: ER32
- Number of Tools (pcs): 4
- 1. Crescent Clamp Tool: (12.7*9.8*7*20). Lamello groove on the front (top) side.
- 2. Alloy Saw Blade: (D63x3.0). Grooving on the side (3-side grooving, excluding the gripper side).
- 3. Straight Flute Milling Cutter, grooving on the front side.
- 4. One direction aggregate, grooving side slots for top-and-bottom hinge mortises and blind slots of the workpiece. (aggregate is option)



12. Machining Workpiece Size

Machining size (Drilling & Grooving on Top/Bottom):

- Workpiece Thickness: 10-60mm
- Workpiece Width: 30mm (40mm for grooving) - 1200mm
- Workpiece Length: 70-2800mm



Machining size (Milling/Profiling):

- Workpiece Thickness: 10-60mm
- Workpiece Width: 65-1200mm
- Workpiece Length: 250-2800mm

13. Stack processing

- Support stacking processing if hole position is mirror
- Mirror grooving;



14. Invisible hardware

- Machine is configured with aggregate and tools to process Lamello groove and some invisible hardware processing.



Invisible hardware

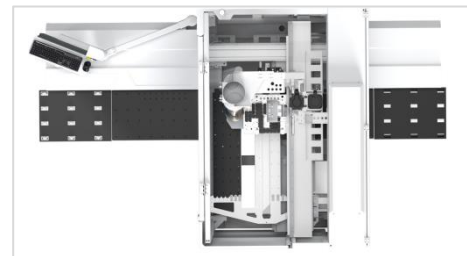
15. Side Grooving

- Side grooving by adding an saw blade head, suitable for light trough



16. Infeed air float table

- Table Style: Front-and-rear fixed type
- Table Material: HPL (Phenolic Resin)
- Main Table Dimensions: 1613 × 615 mm
- Working Height: 960 mm
- Air Floatation Table Blower: 1.1 kW
- Workpiece Positioning Method: Each gripper is equipped with 3 sets of positioning wheels, combined with the front table's positioning cylinder
- Number and Location of Positioning Cylinders: 1 (located on the front worktable)



17. Feed-out

- Table Style: Front-and-rear fixed type
- Table Material: HPL (Phenolic Resin)
- Main Table Dimensions: 1613 × 615 mm
- Working Height: 960 mm
- Air Floatation Table Blower: 1.1 kW



18. Dust collection port

- Qty 3
- $\Phi 200\text{mm} \times 2$ (top) 、 $\Phi 125\text{mm}$ (bottom)
- Air speed: $\geq 28\text{m/min}$



19. Cable chain

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



20. Hand controller

- Hand controller makes commissioning more convenient.



21. Control system

- SYNTEC CNC control system and Operation Software, reliable and the process efficiency is 20%-25% faster



22. Industrial computer

- Windows 10 operating system.
- All-in-one industrial computer



23. Excellent electrical components

- Electrical parts and components are in reliable brand, standard and clean wiring connection make machine reliability and stability.

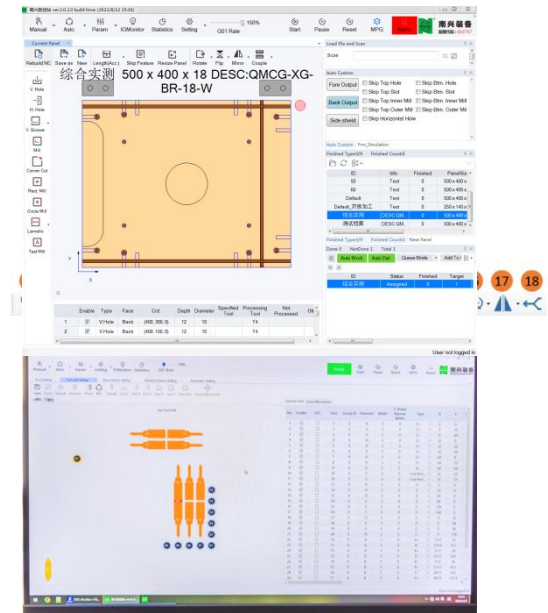


24. User-friendly operation

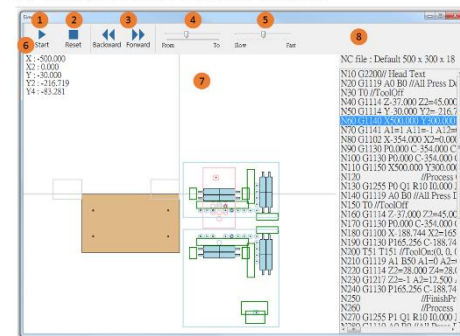
- Control interface is modern and friendly,
- Manual programming interface is easy to operate, functions are available at a glance like horizontal hole, vertical hole, grooving, flip, mirror, rotate etc.

- Tool management
- Easy to set, and tool life is available at a glance

- Simulation function



9.6 Drill Machine PC CAM - Auto Mode - Simulation



25. Data interface interaction

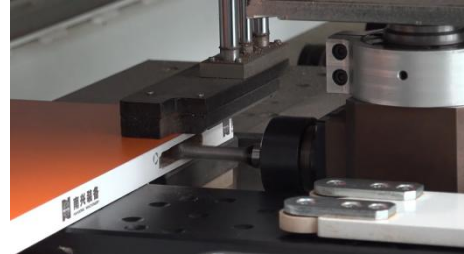
- The equipment can be connected to the user's factory network.
- All machining data can be collected.
- Compatible with various furniture design software.
- Supports multiple file formats, including MPR, DXF, BAN, BPP, PDX; XML; XXL.
- Accurately and quickly generates machining paths.
- With bar-code scanner, Scan-and-machine in one step for seamless processing.





26. One-head aggregate for side routing

- By using optional fixed one-head aggregate, machine can process Pivot Hinge groove
- Board thickness: 10-60mm
Board width: 65-1000mm
Board length 250- 2800mm



27. Board thickness sensor

- Board thickness sensor to avoid the possible influence caused by putting wrong thick board



28. Hand wheel

- (Wired/Wireless(depend on the model) remote control for easy test run)

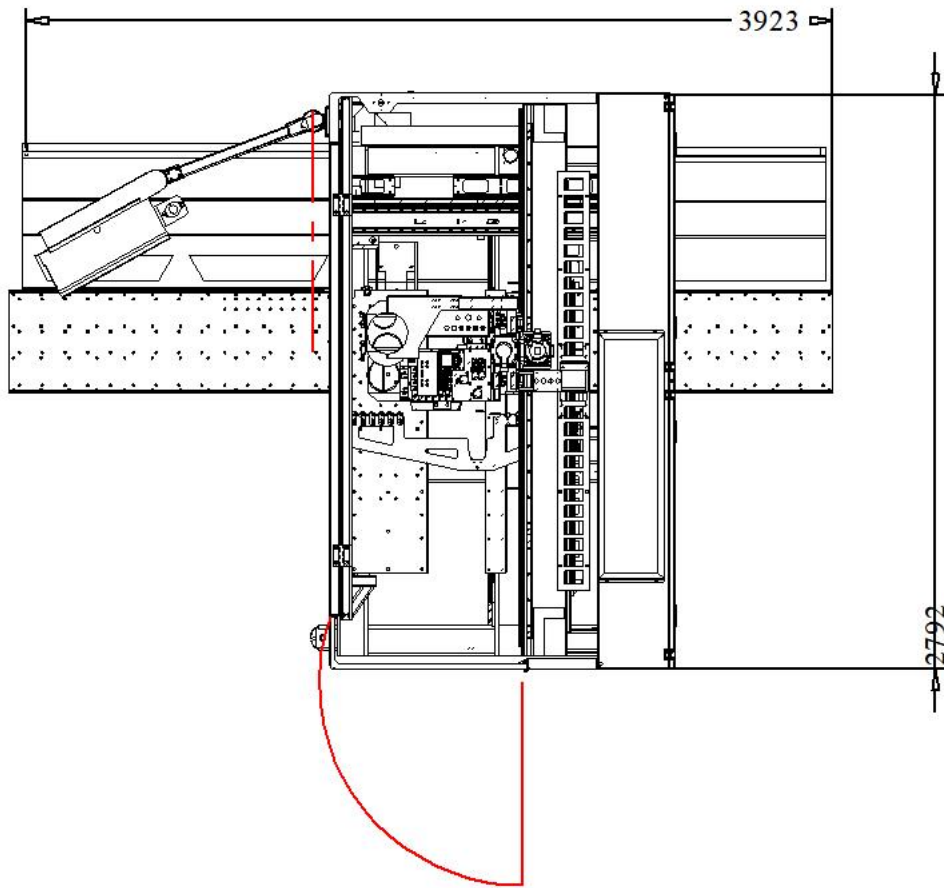
29. #90901.00690 saw blade for lamello

30. Air jet for Gripper

31. Standard Toolbox for testing



Layout



Technical Data

| | | |
|-----------------------------|---------------------------|----------------------------|
| Total power | 21.07 KW | |
| Machine size | 3962 × 3010 × 2320mm | |
| Power supply | 415V/50Hz | |
| Air supply | 0.6-0.7MPa | |
| Control system | Brand | SYNTEC |
| Panel size | Length | 200-2,800mm |
| | Width | 30-1,220mm |
| | Thickness | 10-60mm |
| Max. traveling speed | (X /U) axis | 135m/min |
| | Y axis | 75m/min |
| | Z axis | 30m/min |
| | V axis (push) | 30m/min |
| Drilling blocks | Drilling block qty | Top 1; Bottom 1 |
| | Vert. drills qty (top) | 10 |
| | Horiz. drills qty (top) | X: 2*2 + Y: 2*2 |
| | Vert. drills qty (Bottom) | 9 |
| | Max drill diameter | Φ35mm |
| | Drill spacing | 32mm |
| | Rotation speed | 5000rpm |
| | Shank diameter | Φ10mm |
| | Drill length | 70mm |
| Main spindle | Top | 1*5.5kw ER32 ATC4 18000rpm |
| | Bottom | 1*3.5kw er25 18000rpm |
| Saw blade | Power | 1.7kw |
| | Size | Φ 100* Φ 22* δ 4 |



| | | |
|-----------------------|------------------|-------------------------------|
| | Processing range | 50-1200mm |
| Dust collector | qty | 3 |
| | diameter | Top 200mm×2 Bottom 125mm×1 |
| | speed | ≥28m/min |

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