



YITAI Precision Machinery CO., LTD

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# BROCHURE

## YTR8 Rotary Router





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2025 Version

**1. Machine Introduction:**

The CNC rotary router is a great help in field of rotary die making. According to the requirement of to rotary die making, we design and make this machine and come the first supplier. The development of CNC technology makes the cutting of rotary die board to have new feature: low energy consumption, high accuracy, high efficiency and easy operation.

**2. Machine Consists:**

Product name	Picture
Computer	
Milling knife	



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Drifing knife	
Wrench	
Chuck	
Water chiller	

### 3. Technical parameters:

No.	Model no.	YTR8
1	The maximum cutting board size	Diameter 170~800*3000mm
2	Cutting speed	0.6-1.0m/min
3	Precision accuracy	0.05mm
4	Transmission system	Precision linear ball guide
5	Driving motor	ABB EUROPE
6	Machine size	4.2*1.2*2.2m(L*W*H)
7	Weight	1700KGS
8	Power	3.5KW
9	Power supply	Single phase,220v,50/60HZ
10	Cutting material thickness	13-15mm birch/beech plywood

### 4. Functions and Features:

- Low cost machine, quickly to return investment;
- Low consumption, two degrees of electricity per hour only;
- Low maintenance cost, milling cutter consumption only;
- Working environmental protection, No laser cutting smoke;
- Fully automatically drilling cut the installation hole, one-time to complete the rotary die cutting process.
- High rigidity machine bed with annealing process to ensure the accuracy, to be stable for a long time.
- Fully closed design, isolation of dust, no pollution.



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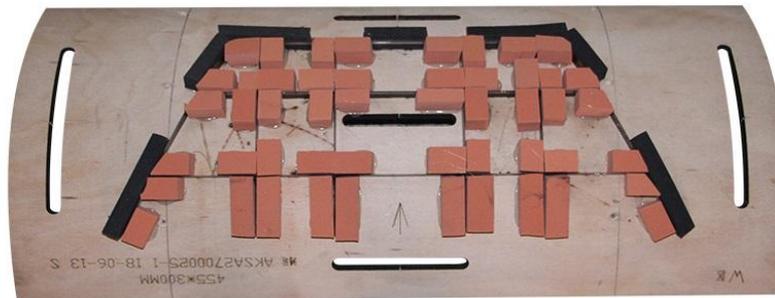
- Double head with milling and drilling plywood fully automatically.
- Pneumatically plywood clamping to make plywood loading more convenient and labor cost.

## 5. Advantages:

- Windows 7 system of the computer
- Independent design and development software and support for free upgrades
- A variety of optimization methods of graphics automatically; Insure high efficiency of working
- Maintain the shortest and best processing path with the software
- Handwheel pulse control, fine and accurate adjustment of axial direction can be carried out
- Pure electron laser detection for broken knife detection
- Follow up system—Adopt mechanical displacement sensor, direct contact with die board surface
- Acoustooptic alarm prompt
- We are on the technical support of GRANDCORP Group, the first domestic rotary die making manufacturer, the details use and control is more professional. Ensure rotary die making more convenient

## 6. Application:

The CNC rotary router is a great help in field of rotary die making.



## 7. Machine Required Space:

4.6M (L)\*1.6M (W)\*2.1M(H)

## 8. Machine Environment Requirement:

- Air compressor best between 0.6MPA
- Voltage regulator  $\geq 5$ KVA