

Full Automatic Pipe Cutting Machine

IMT-YT-CNC425-45D-3000



FEATURES :

- Adopting European sawing technology and design concept, the machine head adopts the top-down sawing method for pipe sawing, which has high sawing quality and high efficiency, meets the needs of short head and tail material sawing, improves the yield rate, and the core components are stable and reliable
- The CNC has a high degree of automation, which enables one person to operate multiple machines
- Parameters such as length and speed can be set freely according to process requirements
- Cutting speed and feeding speed can be adjusted parameterized

CUTTING MATERIALS :

1. Materials and Specifications:

A. Material: Metal Steel Pipe

B. Raw Material Length: Any length is acceptable. The final cut must be at least 380 mm long to prevent scrap.

C. Cutting Range: Standard 90° straight cut, 100mm x 100mm

D. Servo-controlled automatic angle cutting: 100 x 100 x 6mm, $\pm 45^\circ$ cutting available; 60 x 60 x 6mm, $\pm 30^\circ$ cutting available.

2. Workpiece Length Range: Effective length per single feed 3000mm

3. Workpiece Accuracy Error: Taking a 60*60x6mm pipe as an example, the cutting length error is $\leq \pm 0.30\text{mm}$; the angle error is within ± 0.5 degrees

4. Optimization for Cutting Head and Tail Stock:

Incoming material is cut to length, standard material, and free of noticeable burrs on the pipe ends. Cutting lengths for heads and tails can be as short as 50mm, and up to 150mm + the length of one workpiece + a kerf width of 2.5mm (the saw blade is selected based on the pipe thickness).

5. Pipe cutting specifications and requirements.



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