

Automated Pipe Welding System

Automatic welding machinery includes a welding machine and supporting frame. It is used for flange girth welding of tubes, drums, and other round components in industries like pipeline, pressure vessel, and chemical.



ADDITIONAL IMAGES



System Overview

Automated Pipe Fabrication Solution

This automated pipe welding and fabrication system integrates raw material handling, precision cutting, and high-speed beveling into a unified production line. Designed for efficiency, the system utilizes NC-controlled flame or plasma cutting alongside advanced welding manipulators to ensure consistent, high-quality output. The modular setup includes adjustable positioners and elevating support frames, making it a versatile solution for industrial pipe processing requirements.

Technical Specifications

Max Load Capacity

3000 kg
Max Load

Suitable Pipe Range

D50-D600

Performance Metrics

Roller Linear Speed	120 mm/min
Elevating Speed	300 mm/min
Elevating Stroke	280 mm
Swing Frequency	0-120 times/min

System Components

Main Equipment Components

- Raw material auto feeding
- Roller auto conveyor
- Lifting and transferring roller
- NC double shaft CNC flame/plasma cutting machine
- Products auto output/blanking roller
- GPK-630 high speed beveling machine
- Adjustable positioner
- Cantilever welding machine
- Elevating support frame