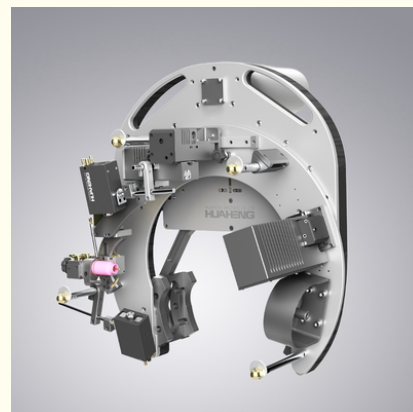


## MASTAR Series Orbital Robotic Pipe Welding System

### Basic Information



### Product Specification

## Product Description

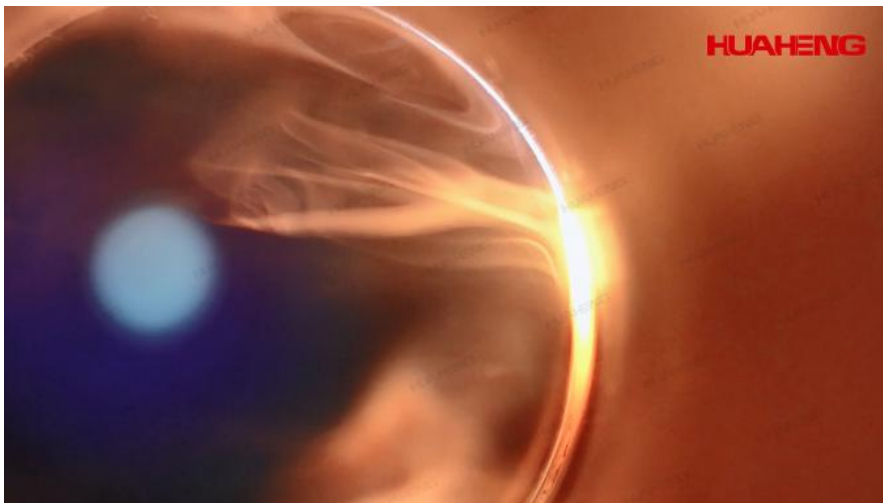
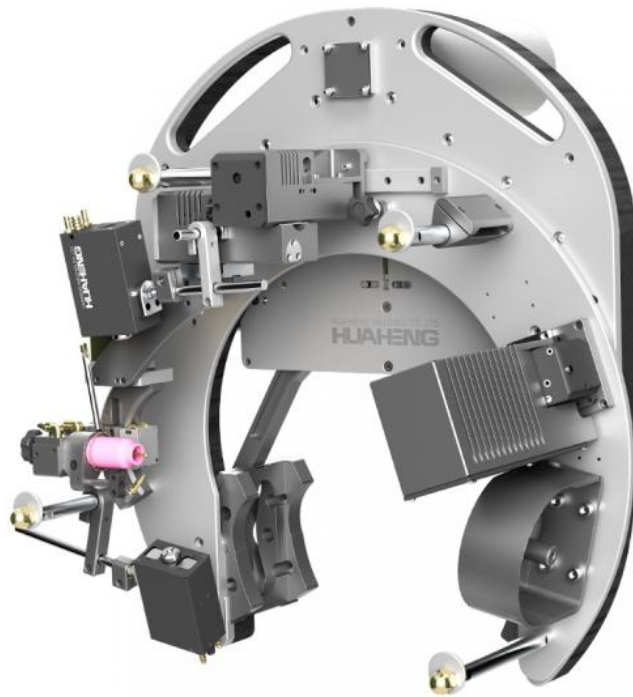
### **HUAHENG i-Weld** **Robotic Pipe Welding Solution**

Renewal Design / Precise Operation / Improve Welding Efficiency and Quality Tremendously



30D, V-bevel only, lesser cost of bevel process  
Gap tolerance in between 0.7 - 1.2mm  
X-ray passed welding quality  
Cost-effective price level  
Comprehensive service network





#### HUAHENG MASTAR-inside Control Platform

Brand-new digitalized inverter: Current output accuracy improved within 1A control for the whole welding process. Adjustable sharp current pulses for peak-to-base switching

Servo-drive rotation: Servo-drive with high precision reducer, wider range of speed adjustment, high precision control, smooth motion for welding

Servo-drive wire feeding: Smoother wire feeding, quick adjustment response, maximum speed reaches 6000mm/min

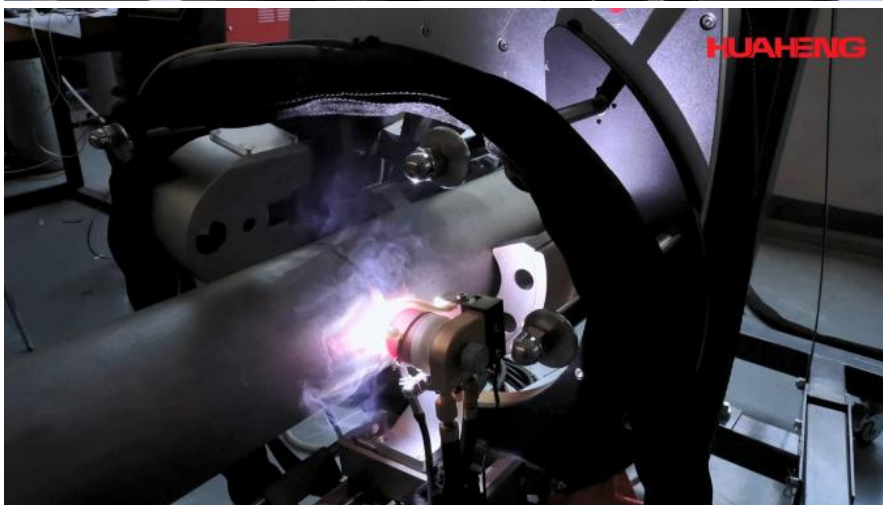
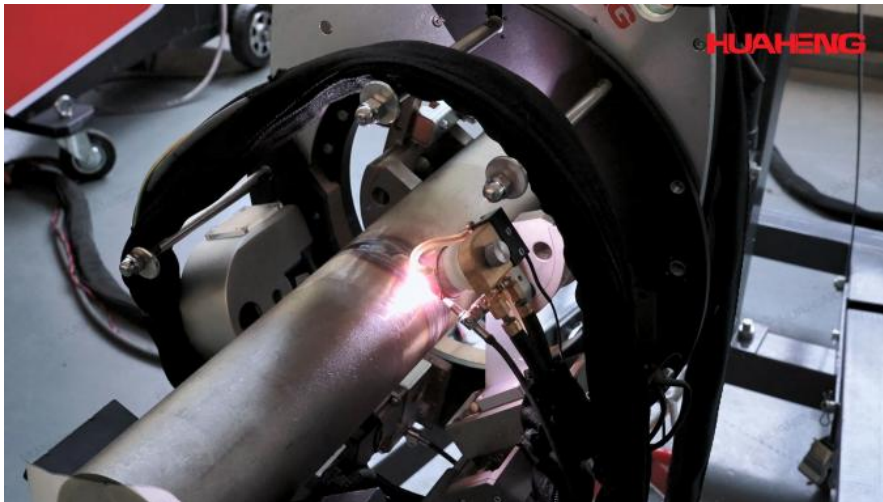
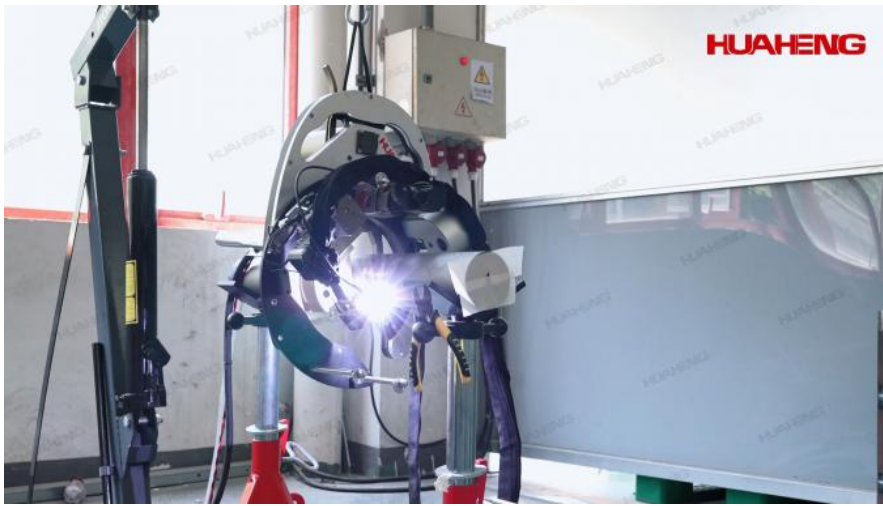
Oscillation: maximum speed reaches 1800mm/min

AVC: Better accuracy, optional switching for peak-to-base tracking

Added angular control: Programmable for torch angular motion control, auto-adjustment during the welding process, achieve orbital of simulating skilled welder operation

Added HD Digit Puddle Imaging System: Front-Rear position visualizes the real-time visual welding process tracking, clear welding puddle and status observation

Flexible process parameter programming supports multi-pass continuously welding without stop, customized with different travel direction in the different sectors according to requirement









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