

## Piping Prefabrication Automatic Welding Machine(MIG)



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**Model: PPAWM-24D1/D3**

**Performance Characteristics**

1. On-line Performance: Excellent (designed for flow process)
2. Application: Used in backing welding or sreen welding of aluminum alloy
3. Welding Capacity:High (150-250 inch/day)
4. Operability: Good (easy to operate even if you are a fresher)
5. Surface Forming: Excellent (the welding gun will always be positioned in optimum position)
6. Welding Qualification Ratio:  $\geq 98\%$
7. Driving Reliability: Good (driven by frictional force, however, it is required to set essential balance weight to offset large bending moment caused by elbows for large diameter pipe)
8. Price: Much higher than Automatic Pipe Welding Machines-Gas Arc Welding

**Technical parameter**

1. Pipe diameter: DN50-600 (  $\phi 60-610$  )
2. Pipe thickness: 3-10MM
3. Pipe materials: carbon steel, alloy steel, stainless steel and cryogenic steel.
4. Welding: tube-tube, pipe-pipe, tube-elbow, tube-flange, flange-flange, flange- elbow (dummy tubes for connection when necessary).
5. Driving System: driven by three-row stainless steel worm -and -worm wheel (D1) or driven by two-row rubber roller reducer (D3).
6. Compression System: the height of the compression arm can be adjusted by electric power, and the compression arm can rotate for 180 degrees with the two wheels of manual lead screw.
7. Bracket System : Separate type of trolley matching for welding machine, which may be adjusted along the track according to the length of the pipeline.
8. Counterweight System: no Counterweight
9. Speed-regulation Mode : Variable-Frequency Stepless Speed Control

## System

10. Adjustment Mode: electric cross regulator
11. Control System: products of proprietary technologies owned by our company, PLC control
12. Welding Mode: MIG Welding
13. Welding Power: SAF-PRO DIGI@WAVE500 (or as per customers' demands)
14. Swing System: products of proprietary technologies owned by our company, stepper motor drive