

Piping Prefabrication Automatic Welding
Machine(FCAW/GMAW)



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Model : PPAWM-24A1/24A2/24A3/24A4

Performance Characteristics

1. On-line Performance: Excellent (designed for flow process)
2. Application: Used in sreen welding
3. Welding Capacity: Excellent (250-350 inch/day, which is over 4 times of manual welding)
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 cheaper than the Automatic Full Position Pipe Welding Machines- Gas Arc Welding

Technical parameter

1. Pipe diameter: DN50-600 (ϕ 60-610)
2. Pipe thickness: 3-60MM
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 (A1/A2) or driven by two-row rubber roller reducer (A3/A4).
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: manual cross regulator (A1/A2) / electric cross regulator (A3/A4).
11. Control System: products of proprietary technologies owned by our company, PLC control (A2/A4)/ no PLC control (A1/A3)
12. Welding Mode: CO2 gas shielded arc welding
13. Welding Power: OEM (or as per customers' demands)