

**Piping Cantilever Automatic Welding**  
**Machine(FCAW/GMAW)**



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**Model:PCAWM-24A1/A2**

**Performance Characteristics**

1. On-line Performance: Low (the working time is longer than Automatic Pipe Welding Machines)
2. Application: Used in sreen welding
3. Welding Capacity: Excellent (200-300 inch/day, which is over 4 times of manual welding)
4. Operability: Excellent (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: Excellent
8. Price: Higher than Automatic Pipe Welding Machines-Gas Arc Welding

**Technical parameter**

1. Pipe diameter: DN50-600 (  $\phi 60-610$  )

2. Pipe thickness: 3-80MM
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 welding positioner, using 2 (or 3, 4) jaw CHUCK fix the pipeline
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) / electric cross regulator (A2).
11. Control System: products of proprietary technologies owned by our company, no PLC control (A1)/ PLC control (A2)
12. Welding Mode: CO2 gas shielded arc welding
13. Welding Power: OEM (or as per customers' demands)
14. Swing System: products of proprietary technologies owned by our company, motor drive with fuzzy pendulum width regulating(A1)/stepper motor drive with Digital-display pendulum width regulating(A2)