

Portable Piping Automatic Welding
Machine(FCAW/GMAW)



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Model: LPAWM-12A1/A2/A3/A4

Performance Characteristics

1. On-line Performance: designed for individually work
2. Application: Used in the pipeline DN≤300
3. Welding Capacity: High (200-300 inch/day, which is over 3 times of manual welding)
4. Operability: Good (can operate the machine by training)
5. Surface Forming: Good (the welding gun will always on the optimum position)
6. Welding Qualification Ratio: ≥98%
7. Driving Reliability: Excellent (driven by frictional force)
8. Price: Much cheaper than the Automatic Full Position Pipe Welding Machines- Gas Arc Welding
9. Movability: Excellent

Technical parameter

1. Pipe diameter: DN50-300 (ϕ 60-325)
2. Pipe thickness: 3-20MM
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 two-row rubber worm -and -worm wheel (A1/A2) or driven by two-row rubber roller reducer (A3/A4).
6. Compression System: compressed firmly by manual double-chain Leading-Screw.
7. Bracket System : no (or as per customers' demands)
8. Counterweight System: no Counterweight
9. Speed-regulation Mode : Variable-Frequency Stepless Speed Control System
10. Adjustment Mode: Manual cross regulator
11. Control System: products of proprietary technologies owned by our company, no single-boarded microcomputer control (A1/A3)/ single-boarded microcomputer control (A2/A4)
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/A3)/stepper motor drive (A2/A4)