

## **Thick-wall Piping Automatic Welding Machine(SAW)**

**Model:TPAWM-32A**

### **Performance Characteristics**

1. On-line Performance: Excellent (designed for flow process)
2. Application: Used in sreen welding ( DN $\geq$ 400 or DN $\leq$ 800 )
3. Welding Capacity: Excellent (100-150 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 pipeline: DN $\geq$ 600 and diameter $\geq$ 40 )
8. Price: Much higher than the Automatic Pipe Welding Machines-Submerged Arc Welding

### **Technical parameter**

1. Pipe diameter: DN400-800 (  $\phi$ 426-810 )
2. Pipe thickness: 18-80MM
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: motor drive with two-row metal rubber roller.
6. Compression System: compressed firmly by manual double-chain Leading-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
12. Welding Mode: Thick Electrode Arc Welding
13. Welding Power: OEM (or as per customers' demands)