

● GTX63S hydraulic pipe welding system

This system is specially designed for tube to flange TIG welding. It could do single position welding or orbital welding, joint or angle welding, with option of self-fusion, wire feeding or wire feeding after self-fusion. It could be placed vertical or horizontal. Support equipment: iOrbital 5000-H TIG Programmable Orbital Welding Power Source.

Application: Special tube to tube and tube to flange in locomotive, engineering machinery.

Performance characteristics

- It is suitable for automatic welding of pipe flanges in construction machinery and locomotive industries;
- According to the needs of welding process, self-fusion, wire filling or self-fusion followed by wire filling can be selected, which is convenient, fast and labor-saving;
- The clamp can be adjusted back and forth through the rocker at the back (bottom) of the hand crank;
- Clamp specific self-centering function, both sides can clamp and loosen the workpiece at the same time, so as to facilitate rapid positioning;
- The rotary drive adopts servo motor, which can adjust speed steplessly within the speed range, and all water, electricity, gas pipes and wires are free of winding;
- Pneumatic clamping mode is adopted to ensure that the workpiece can be firmly positioned on the workbench without human intervention;
- The standard structure of water-cooled TIG welding gun is adopted: the tungsten electrode is tightened from the back to the front to achieve the purpose of tightening the tungsten electrode. It is convenient and quick to replace or adjust the tungsten electrode;
- The wire feed has no winding, and is equipped with an integrated wire feeder, which can be installed with 1.0kg wire reel.



Technical specification	
Material	Carbon steel, stainless steel
Tube OD(mm)	Φ8 ~ Φ76
Tungsten diameter(mm)	Φ3.2
Rotation speed(rpm)	0.19 ~ 9.37
Torch angle	0°~45°
Protective gas	Ar
Cooling	Water
Cooling flow(ml/min)	≥600
OSC width(mm)	60
AVC height(mm)	60
Wire diameter(mm)	Φ1.0(Standard)
Max wire feeding speed(mm/min)	1800
Weight(kg)	320
Dimension(mm)	500 x 850 x 2015
The shortest clamping length	45mm
Z-axis travel	300mm

