

# Construction Machinery Industry

Hydraulic pipe TIG welding system



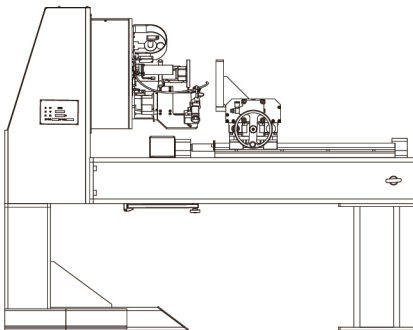
## GTX53 hydraulic pipe welding system

### Summary

The system is specially designed for TIG welding of pipe and flange. 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 put vertically or horizontally. Support equipment: iArc 400,408 Programmable Orbital Welding Power Source. Application: Special tube to tube and tube to flange in locomotive, engineering machinery.

### Performance characteristics

- Suitable for automatic pipeline flange welding in construction machinery and traction motor industries;
- Switch of melting/wire feeding welding processes, easy to operate;
- It is easy to set the rail welding position or horizontal welding position;
- The pipe clamp can be manually adjusted up and down, left and right;
- Un-twist design to allow continues to weld;
- Pneumatic.



### Technical Specification

|                                |                               |
|--------------------------------|-------------------------------|
| Material                       | Carbon steel, stainless steel |
| Tube OD(mm)                    | Φ17~Φ76                       |
| Tungsten diameter(mm)          | Φ2.4. Φ3.2                    |
| Rotation speed(rpm)            | 0.1~3.29                      |
| Torch angle                    | 0°~45°                        |
| Protective gas                 | Ar                            |
| Cooling                        | Water                         |
| Cooling flow(ml/min)           | ≥600                          |
| OSC width(mm)                  | 40                            |
| AVC height(mm)                 | 40                            |
| Wire diameter(mm)              | Φ1.0(Standard)                |
| Max wire feeding speed(mm/min) | 1800                          |
| Weight(kg)                     | 290                           |
| Dimension(mm)                  | 700 x 640 x 1760              |

