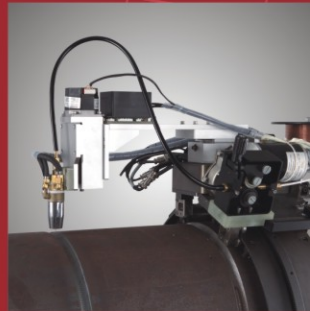
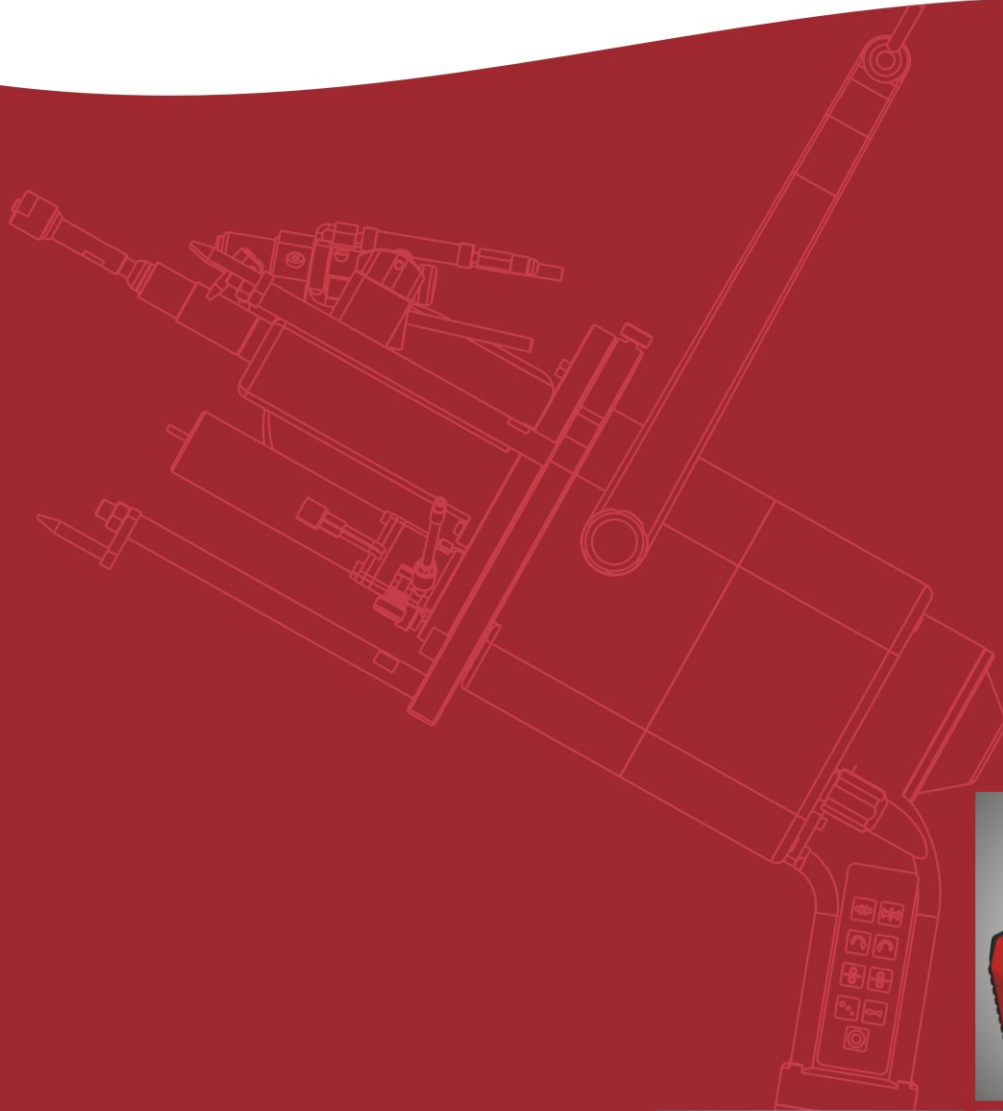


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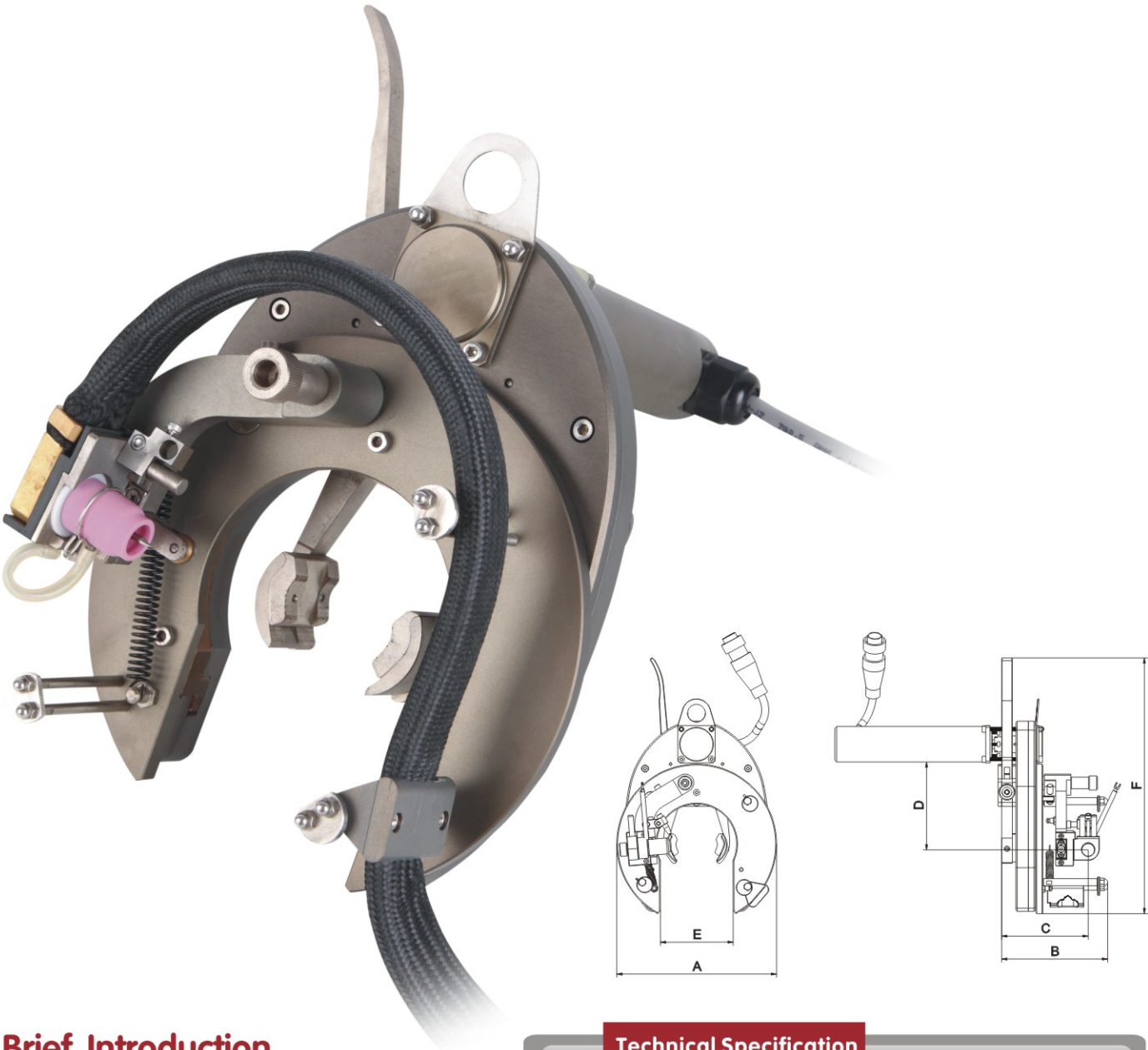
## ORBITAL

Welding System

HUAHENG WELDING CO., LTD.

# TOK series

Open Tube to Tube Welding Head



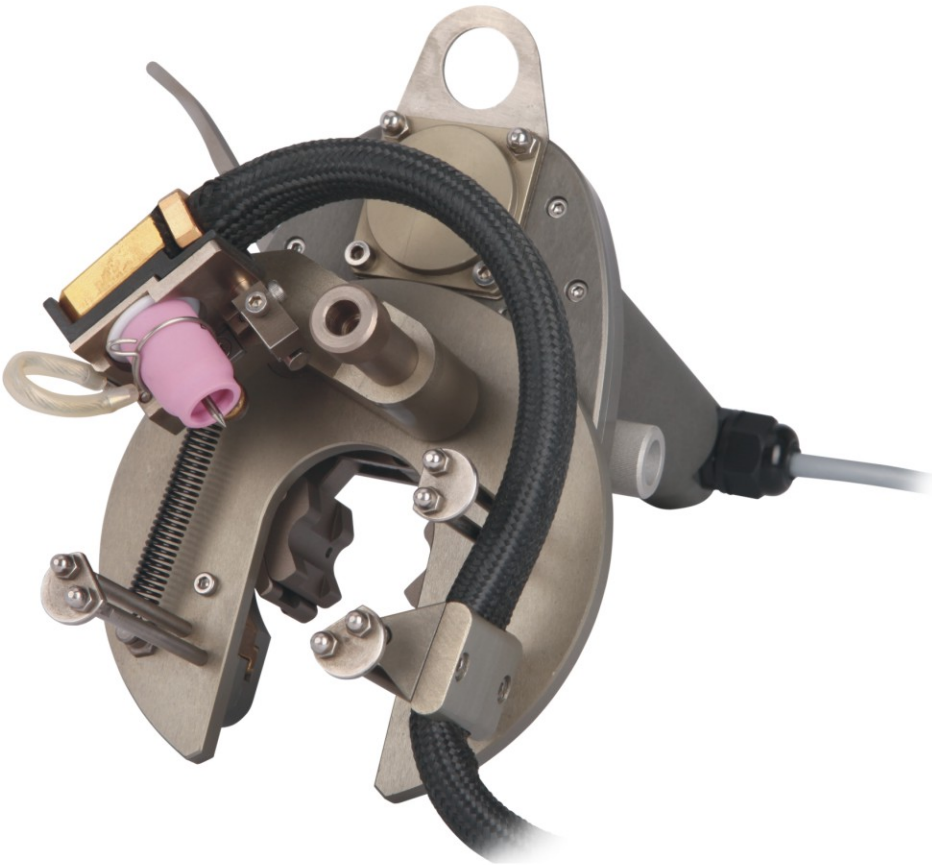
## Brief Introduction

This welding head is special designed for tube to tube TIG welding, suitable for carbon steel, stainless steel tube to tube connection, mainly for wire feeding or self-fusion.

Support equipment: i-Arc200 and i-Arc400 Programmable Orbital Welding Power Source.

Application: chemical, food, medicine, engineering installation, boiler, military, nuclear and so on.

| Technical Specification |  |   |
|-------------------------|--|---|
|                         | TOK43  | TOK77   |
| Material                | Carbon steel, stainless steel  | Carbon steel, stainless steel   |
| Tube OD (mm)            | Outer clamp: $\Phi 15 \sim \Phi 25$ (5/8" ~ 1")<br>Inner clamp: $\Phi 25 \sim \Phi 43$ (1" ~ 1 5/8") | Outer clamp: $\Phi 19.05 \sim \Phi 45$ (3/4" ~ 1 3/4")<br>Inner clamp: $\Phi 45 \sim \Phi 77$ (1 3/4" ~ 3") |
| Tungsten diameter (mm)  | $\Phi 2.4$   | $\Phi 2.4$  |
| Rotation speed (rpm)    | 0.37 ~ 7.45  | 0.19 ~ 3.8  |
| Protective gas          | Ar   | Ar  |
| Cooling                 | Water  | Water   |
| Cooling flow (ml/min)   | $\geq 600$   | $\geq 600$  |
| Dimension (mm)          |  |   |
| A                       | 128  | 180   |
| B                       | 115  | 120   |
| C                       | 85 ~ 92  | 95 ~ 101  |
| D                       | 165  | 92  |
| E                       | 44   | 82  |
| F                       | 230  | 290   |
| Weight (kg)             | 2.5 (no cable)   | 4.0 (no cable)  |
| Dimension (mm)          | 305 x 128 x 230  | 310 x 180 x 290   |



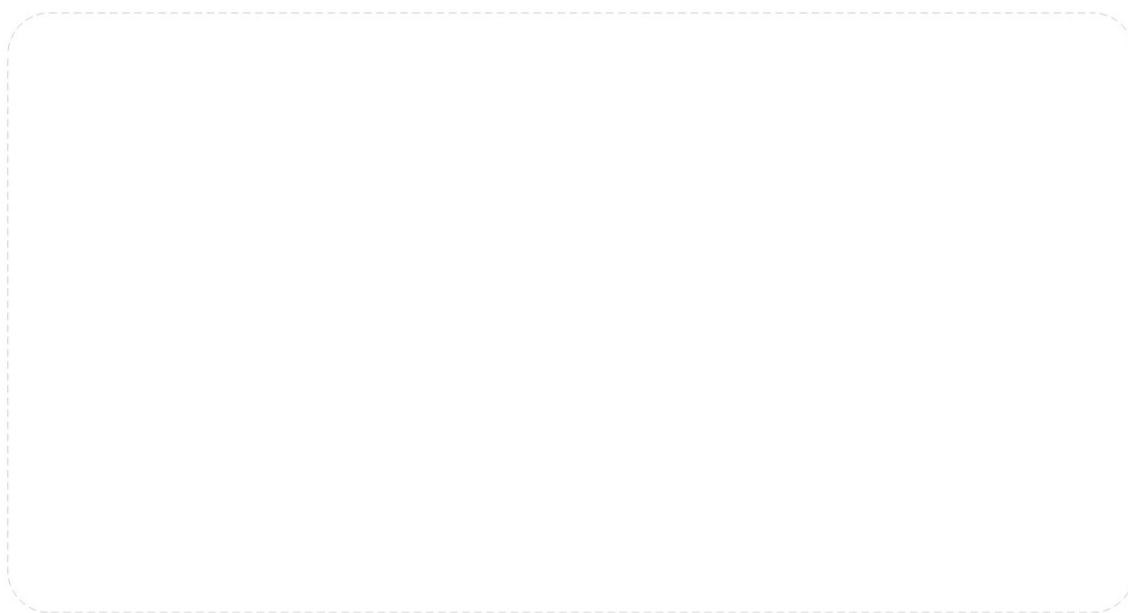
## Features

- Suitable for thin wall thickness carbon steel, stainless steel tube or pipe orbital welding;
- Suitable for connection of tube to tube, tube to flange, tube to elbow, tube to valve and so on;
- Automatic all position TIG tube to tube welding with/without wire feeding;
- Water circuit cooling, achieving long time working;
- Mechanical profile tracking design, ensure seam quality.





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