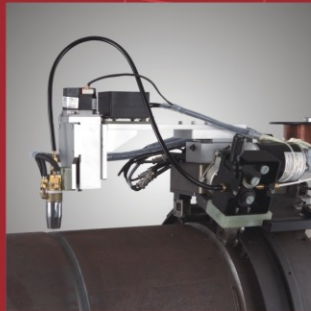
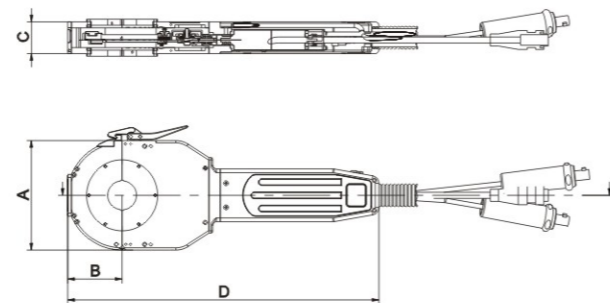


HUAHENG



ORBITAL Welding System

HUAHENG WELDING CO., LTD.



Closed Tube to Tube Welding Head

Technical Specification

	TC12	TC26	TC36	TC76	TC116	TC156
Material	Carbon steel, Stainless steel, Titanium alloy					
Tube OD (mm)	Φ3 - Φ12.7 (1/8" - 1/2")	Φ6 - Φ25.4 (1/4" - 1")	Φ6 - Φ38.1 (1/4" - 1 1/2")	Φ19.05 - Φ76.2 (3/4" - 3")	Φ38.1 - Φ114.3 (1 1/2" - 4 1/2")	Φ50.8 - Φ168.3 (2" - 6 5/8")
Tungsten OD (mm)	Φ1.0	Φ1.0, Φ1.6	Φ1.6, Φ2.4	Φ1.6, Φ2.4	Φ2.4, Φ3.2	Φ2.4, Φ3.2
Rotation speed (rpm)	2.3 - 46.1	0.6 - 12	0.3 - 6	0.2 - 4	0.095 - 1.9	0.06 - 1.2
Protective gas	Ar	Ar	Ar	Ar	Ar	Ar
Cooling	Water	Water	Water	Water	Water	Water
Cooling flow (ml/min)		≥600	≥600	≥600	≥600	≥600
Rated current	45A 60%	60A 60%	65A 60%	75A 60%	100A 60%	100A 60%
Main Dimension (mm)						
A	65	80	98	145	195	295
B	35	40	47	72	97	150
C	12.5	40	41	43	57	61
D	280	340	360	412	497	630
Weight (kg)	0.85 (no cable)	2.0 (no cable)	2.0 (no cable)	3 (no cable)	6 (no cable)	10.5 (no cable)
Dimension (mm)	280 x 85 x 45	340 x 80 x 100	360 x 120 x 41	412 x 165 x 43	497 x 230 x 57	630 x 330 x 61



Brief Introduction

This welding head is specially designed orbital TIG welding head without wire feeding for kinds of pipe fitting. The sealed cavity is filled with protective gas before welding to ensure the quality of welds. This is one high efficiency and high quality welding head with water cooling for welding head & collect and special made collects according to customers' requirements which could ensure accurate positioning with no spot welding.

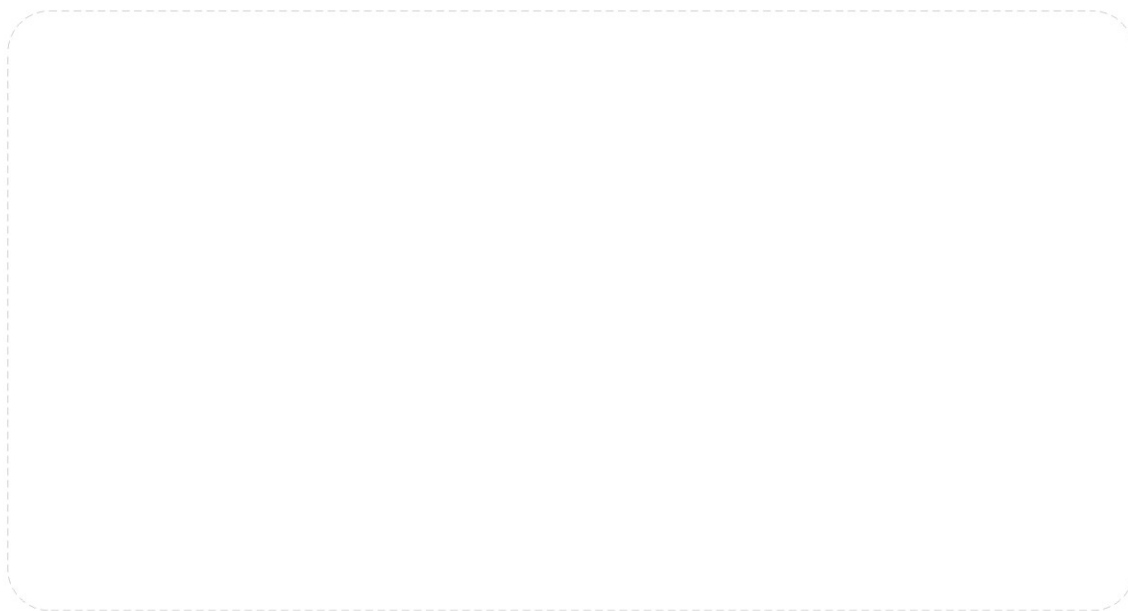
Support equipment: i-Arc200 and i-Arc400 Programmable Orbital Welding Power Source.

Application: Electric, instrument, pharmaceutical, engineering installation, military, nuclear and so on.

Features

- TIG welding without wire feeding;
- Closed welding, better protection;
- Water circuit cooling design for long time working;
- Remote pendent for long distance control;
- Open window for checking alignment after assembly;
- Suitable for stainless steel, titanium alloy small diameter with thin wall thickness;
- Widely applied in medical, food, biological, electric, instrument and pipe installation industries.

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