

TC-500/TC-5H Self Fusion Orbital Welding Head Air Cooling Method

Our Product Introduction

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Basic Information



Product Specification

- Highlight: Self Fusion Orbital Welding Head,
Air Cooling Orbital Welding Head,
Self Fusion orbital weld head



Our Product Intro

Product Description

Description

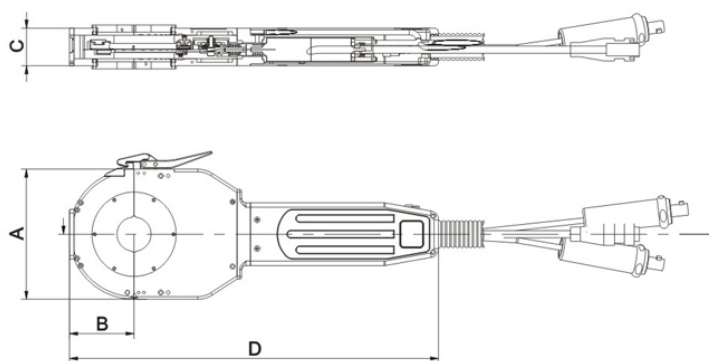
The welding head is a special welding head for orbital automatic tungsten arc welding(without welding wire)designed for the butt joint of various pipe fittings.Before welding,the sealing cavity is filled with protective gas to ensure that the welding seam is well protected.And according to customer requirements,we can customize the compound fixture within the pipe diameter range.This fixture system can ensure the precise positioning of the welded parts without the need for positioning spot welding,so as to provide customers with high-efficiency and high-quality special welding guns.This machine can be used with Tube Master200,iOrbital4000,iOrbital5000 program-controlled welding power sources,and can precisely realize orbital TIG tube/tube welding,with high reproducibility of welding results and ideal welding results.Mainly used in electronics,instrumentation,pharmaceutical,engineering installation,military and nuclear power industries.

Performance

The main part of the welding torch is made of aluminum, and the structure is light;
The sealed design is adopted, and the protection effect is more sufficient;
Patented flexible automatic centering fixture, precise positioning;
Suitable for pipe welding of thin-walled carbon steel, stainless steel, titanium and titanium alloys;
Self fusion welding method;
Equipped with operation buttons on the welding torch, the welding torch is easy to use and suitable for on-site installation.

Technical parameter

	TC-500	TC-5H
Weldable material	Carbon steel, stainless steel, titanium alloy	Carbon steel, stainless ste
Weldable pipe diameter(mm)	Φ6 Φ12.7 (1/4" 1/2")	Φ3 Φ12.7
Tungsten electrode diameter(mm)	Φ1.0	1.6
Spinning speed(rpm)	0.6 12	0.7 14.2
Protective gas	Argon	Argon
Cooling method	Air cooling	Air cooling
Cooling flow(ml/min)		
Rated current	30A duty cycle 60%	30A duty cycle
Main dimensions(mm)		
A	65	57
B	24	51
C	12.5	38
D	314	186
Weight(kg)	1.3(without cable)	1(without cat
Dimensions(mm)	314×65×42	186×57×38



HUAHENG Kunshan Huaheng Welding Co., Ltd.

+86 13962665533 huaheng1995@gmail.com huahengautomation.com

No.99 WuSongJiang Road, KunShan, JiangSu, PR.China PC.215334