

# XD-G400

## All-position tube-sheet welder

XD-G400 digital welding power source is an automatic program-controlled welding power source designed and manufactured using the Internet of Things technology. The equipment has the characteristics of advancement, digitization, easy operation, intelligence, expandability, reliability, etc. The control system uses imported Siemens PLC as the main controller, which is an open, remotely upgradeable operating system that centrally sets and stores various functional parameters in all-position welding and performs distributed synchronous precise control.

### Control function



- 1 Dc and pulse current control, gas control
- 2 Rotary motion, automatic manual print control
- 3 Water cooling control, wired wireless control

### Defensive function

- Overload
- Arc failure
- Tungsten pin short circuit
- Phase loss detection



Internet of Things



Telemaintenance

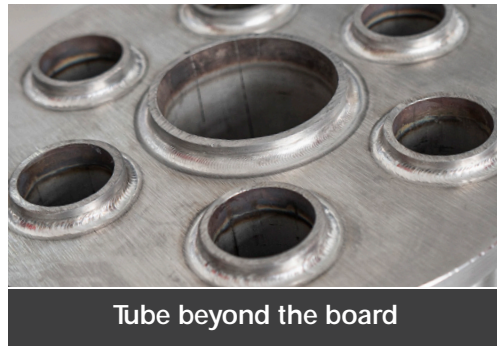


Alarm monitoring

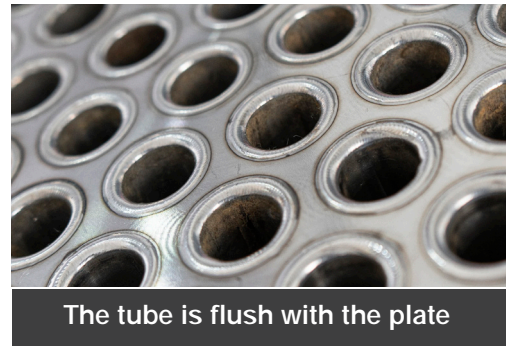


Intelligent programming

# WELDING FORM



Tube beyond the board



The tube is flush with the plate

## + Product advantages

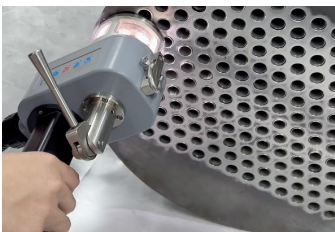
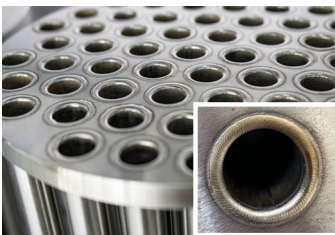
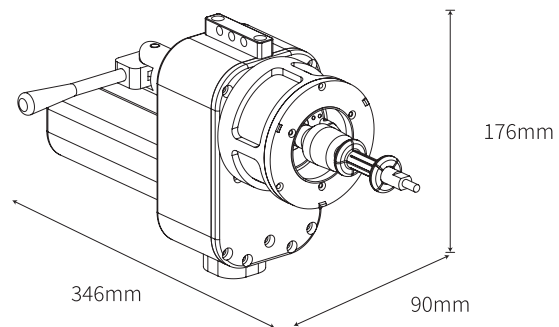
- ..... Siemens PLC control system ensures fast, accurate and reliable operation of welding process parameters
- ..... Applicable to refrigeration, thermal power, valves, coal mines, construction machinery, boilers, nuclear power, chemical industry and other industries
- ..... Swiss DC planetary gear motor, precise and stable rotation operation, equipped with wired control handle and own operation button
- ..... Fault detection, directly display the cause of the fault, realize the Internet of Things technology, no mail, can be repaired and upgraded
- ..... Insert U disk can import and export welding program, can easily change welding process, can also export historical welding data
- ..... Real-time monitoring of welding process current/voltage/rotation speed/swing speed and other parameters, one-click printing and automatic printing function

Model	XD-G400
Welding current	5-400A
Rated input power	18KW
Duty cycle	320A/ 60%
Floating voltage	73V
Input voltage	AC380V±10% 50Hz/60Hz
Welding head cooling	Built-in circulating water cooling
Technology	self melt/ add filler wire (flat mouth pipe/fillet weld)
Memory	200
Partitionable interval	20
Protection grade	H/IP23
Water tank volume	4L
Weight	120kg
Dimension	1150*630 *940mm

# TB-35 Tube-sheet welding gun

• Applicable material Carbon steel/stainless steel/Titanium/nickel

• Type of cooling Circulating water cooling

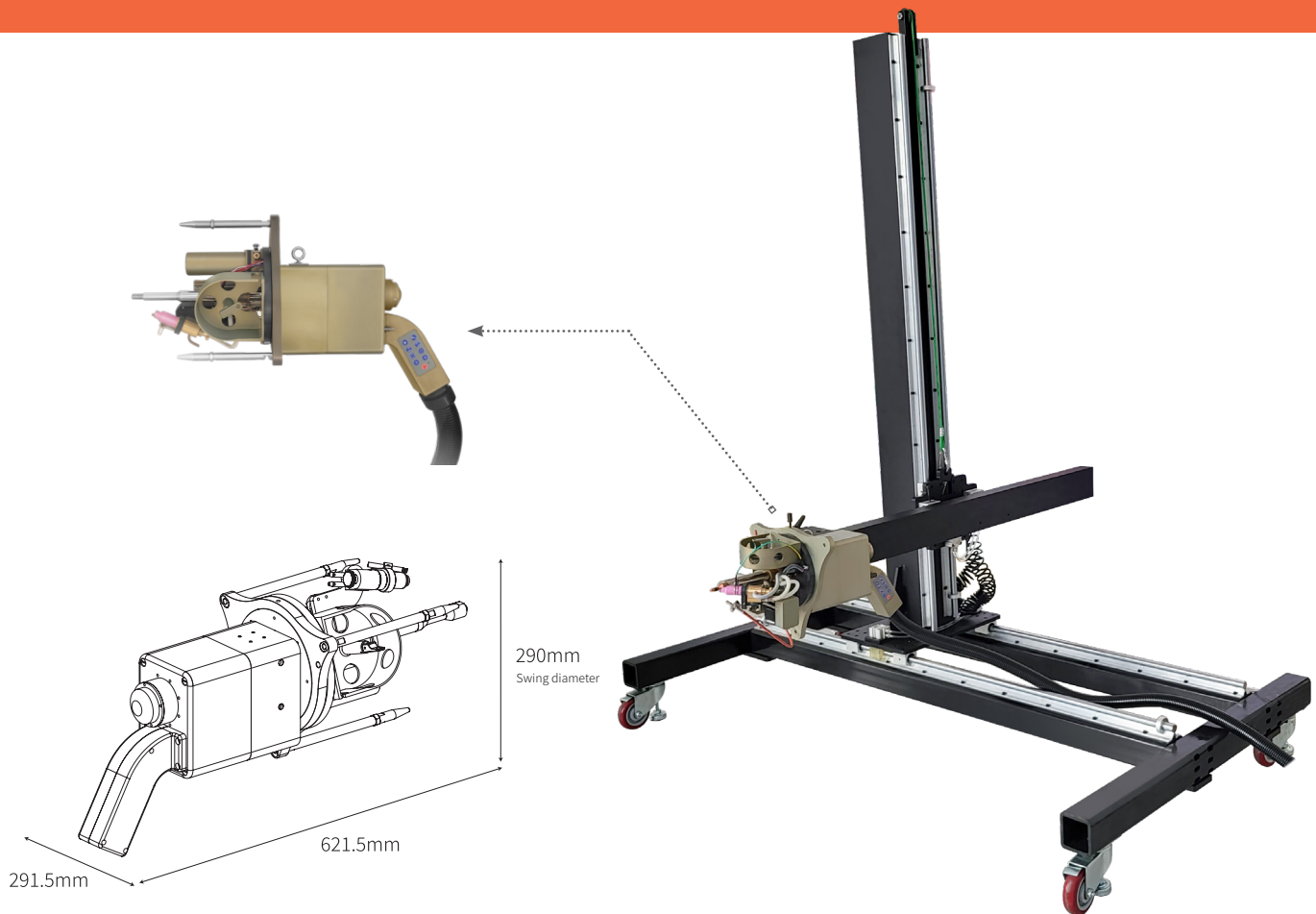


Model	XD-35
Matching power supply	XD-20W/XD-G400/XD-PD200
Welding manner	Flat head /self-fusion welding
Locate mode	Suspended mechanical core expansion/copper bush
Welded pipe diameter	4-35mm[Customizable]
Rotational speed	0.2~3.5rpm
Weld wall thickness	0.5~2.5mm
Tungsten diameter	2.4mm
Tube-plate clearance	≤0.2mm
Pipe protrusion	≤1mm
Size	7.5KG

# TB-65 Tube-sheet welding gun

• Applicable material Carbon steel/stainless steel/Titanium/nickel

• Type of cooling Circulating water cooling



Model	XD-65
Matching power supply	XD-G400
Welding manner	Flat head welding/self-melting/pipe extension 5-10mm
Locate mode	Pneumatic core expansion positioning/copper bush
Welded pipe diameter	8~63mm[Customizable]
Rotational speed	0.7~5rpm
Weld wall thickness	0.5~5mm
Tungsten diameter	2.4~3.0mm
Pipe tube	≥10mm [Pipe protrusion]
Tubesheet gap	<0.5mm
Size	18.5KG
Wire specification	0.8/1.0/1.2
Maximum wire feed speed	2200mm/min

