

## XD-G400

# Tube to tube sheet automatic welding machine



### Product advantages

- ✔ Color 10-inch screen, reasonable graphics design, ergonomic operating habits, original dual cooling system, greatly improving the welding head duty cycle
- ✔ Integrated control of the appearance and structure of the power supply, professional design, clear but not simple, The internal structure design is reasonable, easy to move, installation and operation.
- ✔ Real-time monitoring of the welding process of current, voltage, rotation speed, swing speed and other parameters, according to the requirements of one-key printing and automatic printing function, built-in micro free maintenance printer
- ✔ Siemens PLC control system ensures the rapid operation of welding process parameters, accurate and reliable, and low maintenance cost
- ✔ Perfect interval division and parameter saving function, according to the different welding process requirements, to change, transfer and preservation can realize the welding simulation function, which can timely find the current parameter problems applied in the actual welding with the functions of tungsten pole short circuit protection, motor overload protection, current monitoring, water flow detection and fault prompt.

Model	XD-G400
Welding current	5-400A
Rated input power	15.2KW
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	99
Partitionable interval	12
Insulation grade / protection grade	H/IP23
control function	DC / pulse current control, Gas control, and rotational motion, Automatic / manual print control, Water cooling control, Cable and wireless control
Protective function	Overload, leakage, arc induction failure and tungsten needle short circuit protection and phase absence detection
Water tank volume	4L
Weight	120kg
Dimension	1150*630 *940mm

Customizable

## Special welding head for tube to tube sheet welding

This automatic welding head is specially designed and developed for various pipe tube docking, Two kinds of welding head operation keys, start, attenuation, turn, reverse, before wire feeding, after wire feeding, emergency stop

### Product advantages

- ✔ Adopt the pneumatic core expansion mode, The welding head can be fixed in the center of the tube fittings, clamped tightly, and simplify the operation difficulty of welders
- ✔ Be suitable for welding pipe extension, pipe flush, be self-fused, wire filling, suitable for carbon steel, stainless steel, nickel and other materials of tube to tube sheet welding
- ✔ The overall structure design is compact, water and electricity using internal transmission, 360 without any line pipe winding, The welding pliers are equipped with built-in wire feeder, which can install 1 KG wire tray.
- ✔ Cooling water circulation, a high temporary load rate of the equipment, a tight assembly process, to ensure the stable operation of the equipment



XD-35



XD-65

Model	XD-35	XD-65
Welding material	Carbon Steel/Stainless Steel/Titanium/Nickel	
Welding method	tack welding/self melt	tack welding/angle welding/self melt/wire feeding welding
Positioning method	Suspension mechanical expansion core	Pneumatic expansion core
Pipe diameter	8-32mm	16-60mm
Shielding gas	Argon	Argon
Angle tilt	≤30°	≤40°
Welding gun rotation speed	0.7rpm-5rpm	0.2rpm-3.5rpm
Maximum wire feeding speed	3500mm/min	3500mm/min
Wall thickness	2.5mm	5mm
Welding head cooling	circulating cooling system	circulating cooling system
Weight	7.5kg	18.5kg
Dimension	366*175.4*90mm	621.5*290*291.5mm