iOrbital 4000



Technical specification Туре 5-400A Welding current 400A 60% Duty cycle 20°C 310A 100% Open circuit voltage 380V (-10%-+10%) 50Hz Mains power supply (wave) Integrated water cooling Cooling Max power 7industrial touch screen Screen Gas/Current /Rotation/ Control function Wire feeding Chinese/English Language Program storage Section Insulation/Protection Integrated printer Printing 1081x 455 x990 Dimension L/W/H (mm) GB15579.1-1995IEC60974 Standard

Summary

This welding power source is designed and manufactured according to advanced technology by Kunshan Huaheng Welding Co., Ltd. It consists of controlling system, power source system and water chiller. This power source was developed and manufactured based on our 20 years' experience, which is advanced, digital, and easy to operate, intelligent, flexible and stable. It is specially designed for tube/tube-sheet welding.

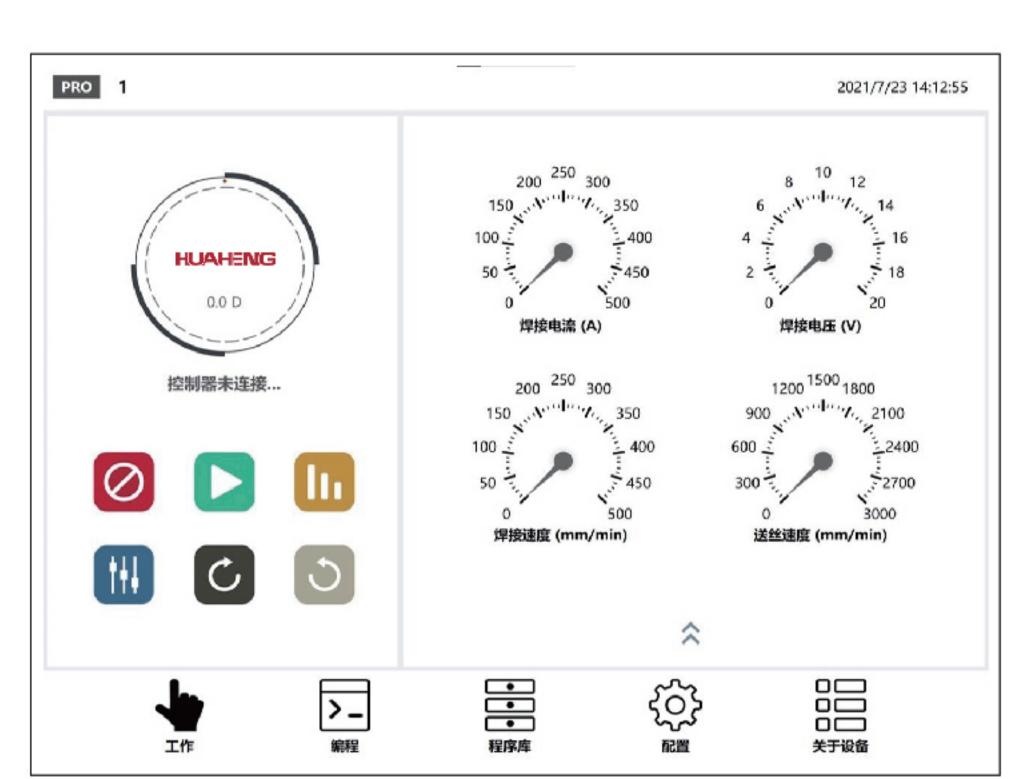
Performance characteristics

- Use popular PLC and digital modular to high definition monitor all the output and input signals;
- Touch screen operation with Chinese and English interface;
- Import/export welding program by USB driver, easy to switch between different programs;
- Built in expert welding programs, generate welding program according to the workpiece;
- Welding parameter printing as record for future checking;
- Powerful water circulation pump and big water tank to ensure continuous working;
- Perfect trouble shooting and error code display, reasonable modular design, easy to maintenance.

iOrbital 5000







Technical specification Inverter 5~500A Welding current 500A 60%387A100% Duty cycle (40°C) Open circuit voltage 3x380V (-15%~+15%) 50 Mains power supply (wave) 34KW Max power 0.98/78% Cos p/efficiency F/IP23 Insulation/Protection -10°C~+40°C Working temperature Transportation & store temperature -25°C~+55°C Power source/weld head cooling Air/Air or water 10.4"color touch screen Screen Control function Gas/Current /Rotation/ Wire feeding/ AVC&OSC 999 Program storage Section Printing Integrated printer Water pump lift 30m/0.3MPa 15L Water tank capacity 110kg Weight (without coolant) GB15579.1-2013, IEC60974/IEC

Summary

Standard

iOrbital 5000 distributed orbital welding power source is an automatic programmable power source designed by Kunshan Huaheng Welding Co., Ltd. adopting the world's most advanced technology. This power source is using popular invertor and computer science technology and the big colorful touch screen as HMI, which is the pioneer in this industry. It has accurate controlling of welding current, rotation, wire feeding, OSC, AVC, shielding gas and compress gas. It could be used with all TC products, TOK products, TOA products, TP060/TP040 and GT60 welding head that manufactured by Huaheng Welding Co., Ltd. i usually applies in the tube/tube, tube to tube-sheet welding of chemical industry, food industry, medical industry, electric pipeline, all sorts of heat exchangers, engineering machinery. Boiler. Locomotive military industry and nuclear power industry etc.

Performance characteristics

- Controlling interface including: WORK, PROGRAM, CONFIGURATION, FILE, LIBIARY, and HELP;
- Auto-generate the welding parameter for tube/tube-sheet, and thin wall tube/tube welding;
- Intelligent AVC function and carry out mechanism;
- Real time detect and feedback of error like arcing fail, short circuit, over heat, over voltage, lack of gas, lack of water, lower voltage, arc extinguish, communication error etc;
- Import/export welding program by USB driver, easy to switch between different programs;
- Memory of the program editing while welding, and display the difference to original program;
- Parameter like weaving speed/center/width, current, and rotation speed can be adjusted while welding to achieve special requirement of some welding seam;
- Online and USB driver upgrade function and offline program function.

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