

## Orbital Welding System

P200 Power Source / Closed Chamber Welding Heads



Based on extensive experience and confidence, NODHA show you how much we trust in the durability and reliability of our products. We provide 3-years warranty free of charge all over the world. Consult us for details.

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## P200 Power Source

Program-Controlled



### Introduction

P200 digital welding power source is an automatic program-controlled welding power source. The welding power source adopts the new inverter power supply and control technology in the welding field, with the 10" color touch screen as the human-machine interface, which is advanced, digital, easy to operate, intelligent, expandable, and reliable. The power supply provides precise control of current, rotation and shielding gas, centrally sets and stores various functional parameters in all-position welding, and distributes synchronous and precise control. The power source is specially designed and manufactured for thin walled tubes/tubes. It can be used with all BH series closed chamber welding heads. Mainly used in chemical, food, medicine, Semi-conductor, various heat exchangers and other industries.

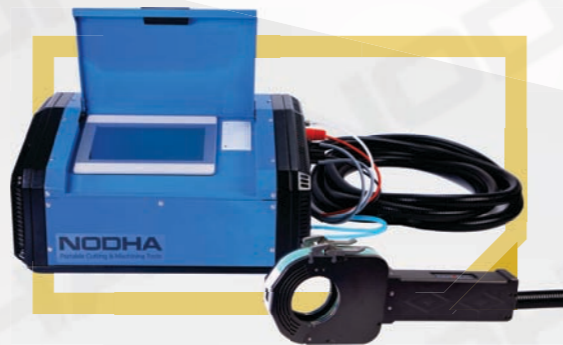
### Features

- **Equipment Composition**  
Control system, inverter integrated circuit, water cooling tank, etc
- **Preferred configuration**  
Siemens PLC control system
- **Module composition**  
Modular design for easy maintenance and maintainance
- **Lightweight and easy to carry**  
Small size and light weight. Easy to move and carry
- **Parameter storage**  
It has functions such as parameter saving/printing, and can be operated with basic welding knowledge

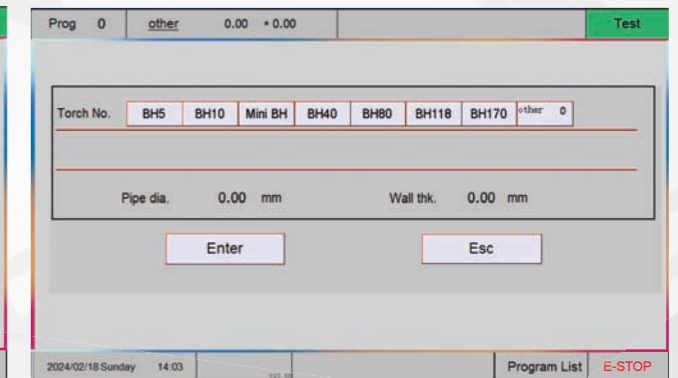
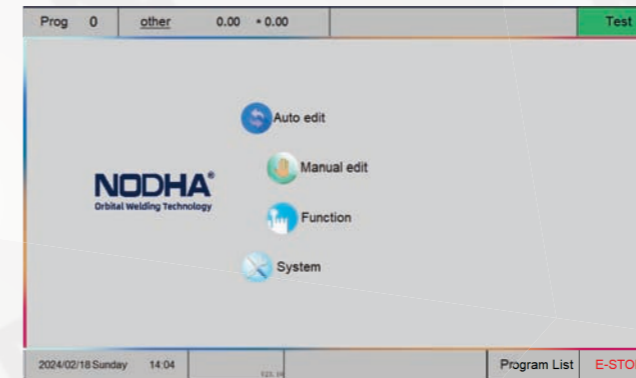
## Performance

- Function of automatic calculation of various welding parameters, which can easily realize the automatic welding process parameter matching of thin-walled pipes and tubes
- With parameter library, it can calculate and generate welding programs for different pipe diameters and wall thicknesses automatically
- With water detection and gas detection function
- Perfect fault detection, directly display the reason of the fault
- With parameter adjustment memory function, it can realize online real-time parameter adjustment memory, and can realize the comparison display of parameters before and after adjustment
- During the welding process, the welding parameters of current and speed can be adjusted at any time to meet the special requirements of certain welds
- The power source has the functions of software remote upgrade and U disk upgrade, and has offline programming function

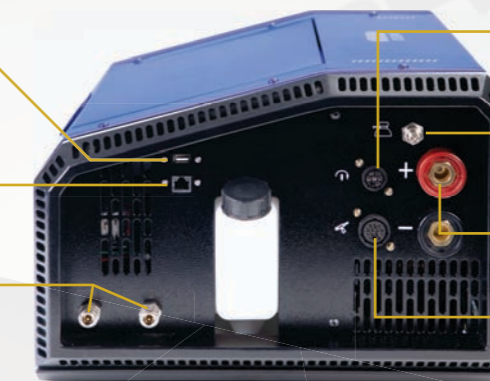
Model	P200
Power Type	Inverter
Power Cable Length	2M
Welding Current	5~200A
Duty Cycle(20°C)	200A 60%/155A 100%
Unload Voltage	65V
Input Voltage	AC 220V±10% 50/60Hz
Power	4.5 KVA
Screen	10"
Programming	Manual / Automatic
Insulation Grade	F
Protection	IP21
Control Function	Gas/Current/Rotation/Cooling
Cooling	Water
Cooling Tank	3.7L
Number of storable program	70
Adjustable Welding Section	Standard: 4, Max.: 8
Printer	Thermal printer
Weight	18 kg (W/o Cable)
Shipping Weight	29 kgs
Package	Hard-slided case
Package Size	700*490*350mm



## Main Interface



- USB interface, for welding data log import and export, and program update
- Network cable interface for updating PLC programs
- Circulating water interface to ensure continuous work of welding head



- Rotary interface for control of rotary motor and encoder
- Argon interface, flow gas detection
- Positive and negative interface
- Integrated control button, indicator light

## Main Component

Control System	Program controlled welding power source software V1.0
Touch Screen	WEINTEK HIM, Taiwan
PLC control module	SIEMENS PLC, Germany
Inverter	Standard: Self-develop. Or ewm, Germany for option
Control Relay	OMRON 2662201, Japan
Power Switch	TAYEE ZW42A2, Shanghai
Water Pump	CEME WED-3510(220V), Italy
Drive Motor	Standard: SHA YANG YE DM300264, Taiwan. Or maxon, Swiss for option
Water/Gas quick Couple	LEGRIS 21KBTf04MFN, Germany
Control cable & Jacket	HELUKABEL, Germany
Control Plug	TE AMP, U.S.