



HERON

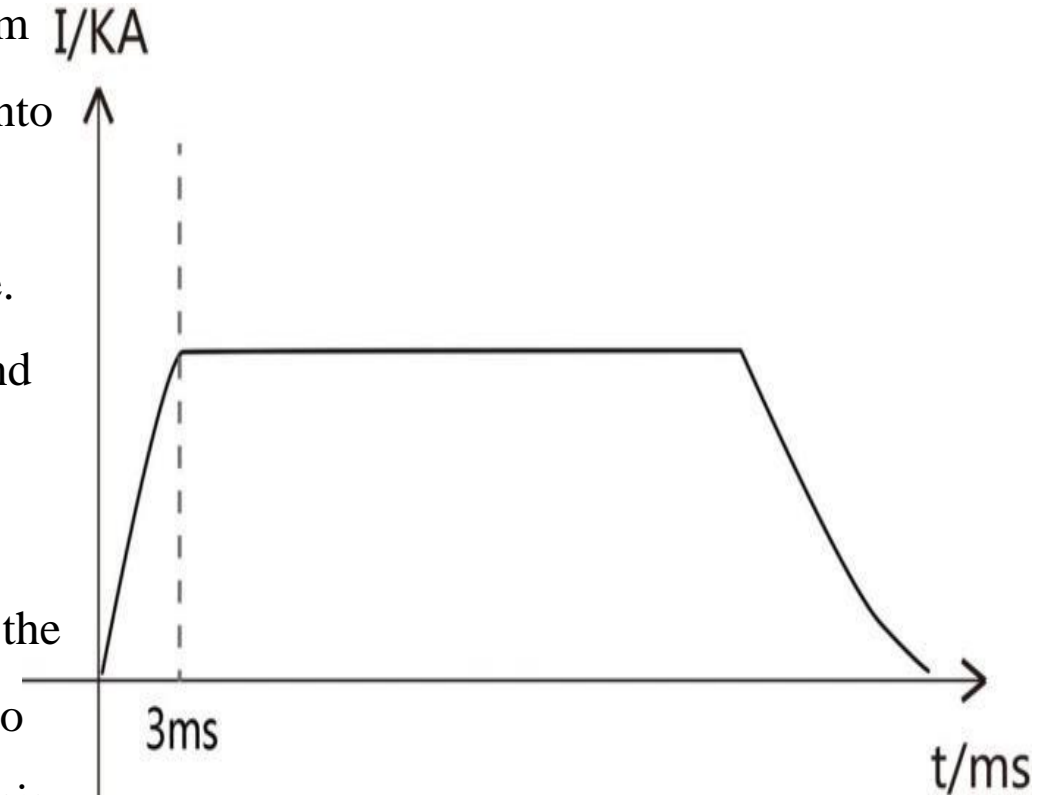
**DIGITAL RESISTANCE
WELDING**

MFDC TECHNOLOGY

Medium Frequency Direct Current (MFDC) Resistance Welding Process

Using Inverter power supply, the three-phase power grid input is inverted into 1KHZ/2KHZ/4KHZ through inverter, and then input to the medium frequency transformer to step down the voltage and then rectify again into low voltage high current.

This inverter power source is applied to the resistance welding machine. Place the welded workpiece between the upper and lower electrodes, and then set the the welding current and welding time through the medium frequency inverter resistance welding controller. Set the pressure and current between the electrodes. when the high current is passed through the welded parts, the high temperature generated by the contact resistance to melt the welded base material and form the welding nucleus process. This power source can greatly reduce the demand of the power grid compared to the AC single-phase welding power source.



The Discharge Current Curve
The maximum short-circuit current reaches 250KA!

MFDC Equipment Series



Type H

110-880KVA



Type L

110-440KVA



Type E

25-440KVA



Double-headed

165-880KVA

The Advantages Of Heron's MFDC Equipment



1. The MFDC equipment is equipped with diamond-shaped guide rail and follower mechanism, which greatly reduces the splash problem in the process of bump welding;
2. Fast current ramping up to 30KA within 3ms.

Manual Integrated Welding Gun

Product Advantages

1. Professionally manufacturing integrated manual welding guns for more than 20 years, Heron has sold out more than 10,000 guns. Three series(H, L2, L3), 2 kinds of power supply(medium frequency and AC) ,Heron's gun can adapt to a variety of use site;
2. Modular design, high standardization;
3. Stable product performance and strong supply capability;
4. Green manufacturing process, energy saving and emission reduction.



The Controller Of Manual Integrated Welding Gun

Product Advantages

1. Developing software and hardware and manufacturing PCB boards independently.;
2. 2 kinds of power controllers: IF and AC.;
3. 2 product series, one towing one and one towing two.;
4. Stable product performance and strong supply capability.



Robotic Welding Gun

Product Advantages

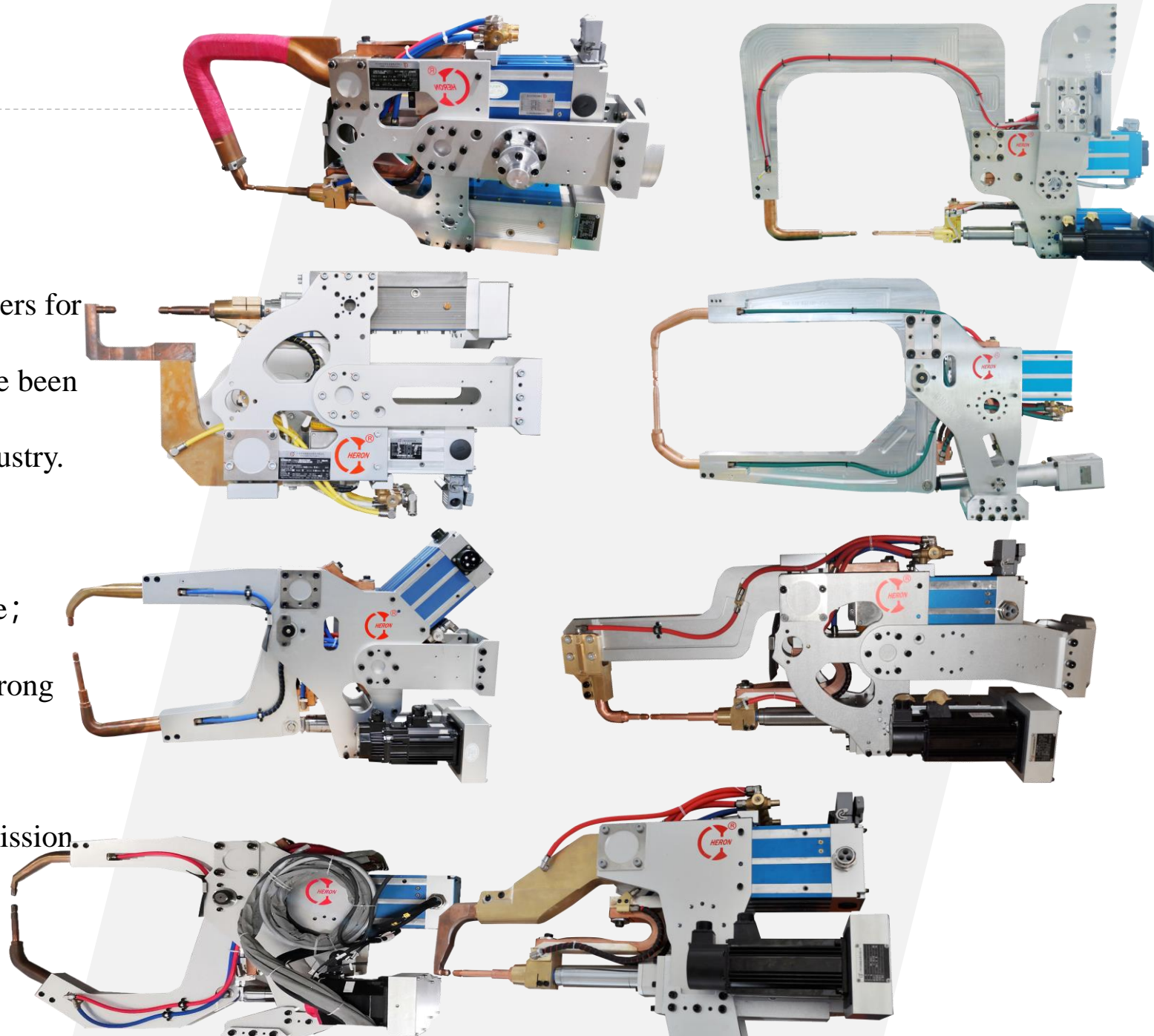
1.Specializing in the production of robotic welding pliers for more than 20 years, Heron's robotic welding guns have been used in large quantities in the body manufacturing industry.

2.Has a full range of clamp;

3.Modular design, universal parts are interchangeable;

4.High self-production rate, stable performance and strong supply capability;

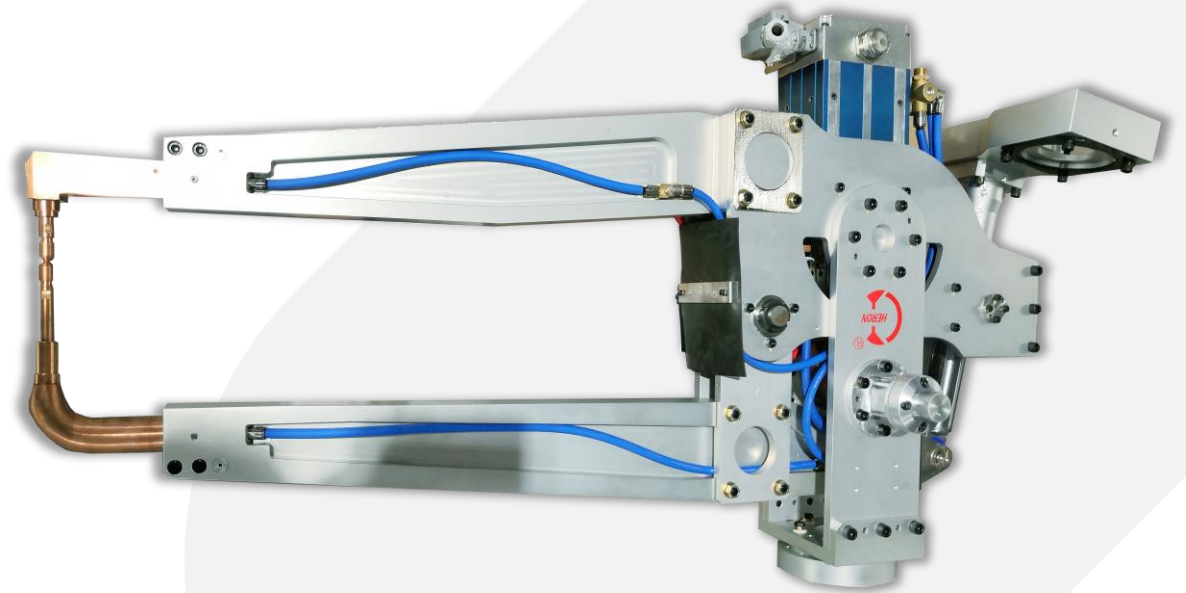
5.Green manufacturing process, energy saving and emission..
reduction.



Welding Gun For Aluminum Alloy

Product Advantages

1. Good rigidity of the welding gun.
2. The maximum output current can reach 55KA.
3. Adopting 250KVA/2KHZ special aluminum welding transformer with 20% load factor.
4. High degree of modularity.



中频/MFDC
中频/MFDC: 225KVA (1000Hz)-roman
250KVA (2000Hz)
Controller
中频/MFDC: 60KA

Mid-frequency Servo Robot Controller

Product Advantages

1. Automatic pressure calibration function;
2. Five sections of current independently adjustable;
3. Step-up function;
4. Welding-spot counting function;
5. Automatic filler function;
6. Electrode resharpening and replacement;
7. Automatic current calibration system.





HERON IS ALWAYS HERE FOR YOU !
LET'S TALK MORE!



**EXPERT IN
RESISTANCE WELDING · CLINCH**



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