

The energy storage process is the first step of the energy storage spot welding. When the energy storage spot welder is connected to the power supply, the electrical energy is input from the power supply into the energy storage capacitor. Energy storage capacitor is the core component of energy storage spot welding machine, it can quickly store ...

Diffusion welders, Spot welders, Projection welders, Seam welders, Resistance welding, Ultrasonic welding &#166; HAIFEI welder\_HAIFEI focuses on swift solutions and supply of resistance welding equipment with automatic technologies

The success of resistance spot welding hinges on precise control of the welding parameters, including current magnitude, welding time, and electrode force. These parameters are tailored to the specific material properties and thickness of the metal sheets being welded, as well as the design of the joint.

The main components of energy storage spot welding machine include capacitor, charging circuit, discharge circuit, control circuit, welding electrode and pressuring device etc. 1. Capacitor is the core component of energy storage spot welder. It can store a lot of electric energy and release it when needed. 2.

The capacitor energy storage welding machine is used to charge the capacitor after the alternating current is rectified by the rectifier, and the stored electric energy is converted into low-voltage, energy-concentrated and stable pulse current by the welding transformer.

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