

Battery module welding device

To meet these demands, manufacturers rely on advanced welding techniques - usually resistance welding or laser welding - to ensure the durability, reliability and performance of finished battery packs. As battery module/pack design advances to address the need for better efficiency, higher storage, and faster charge/discharge properties, new ...

YIFI Laser provides customers with intelligent welding equipment and intelligent solutions.

Provided are a battery module welding verification system and a method for same. A battery module includes a first battery cell and a second battery cell, and interconnection members are welded onto each of the first and second tabs of the respective first and second battery cells. The system includes a gripping device provided with a first gripping finger and a second gripping ...

The invention discloses a laser welding device for heavy-duty lithium ion battery modules, which comprises a base, a plurality of battery module moving mechanisms arranged on the base in parallel, a visual positioning mechanism stretching across the battery module moving mechanisms, a welding press-fitting mechanism arranged behind the visual positioning ...

Hi-speed Auto Test of Battery Module Terminal Welding Completely fixture-less Auto Test Solution for LIB module terminal welding of EV If charging of certain block performs inefficiently, it might be caused by high contacting resistance on terminals rather than bad impedance inside cell. High electrode contacting resistance caused by ...

The invention is suitable for the technical field of battery welding equipment, and provides a battery module welding device, which comprises: a base, a lifting device is arranged at the bottom of the base, a supporting column is arranged above the base, a placing plate is fixedly arranged above the supporting column, a rotating motor is arranged in the base, a positioning device is ...

The utility model relates to the technical field of storage battery module welding, in particular to a welding device for processing storage battery modules, which comprises a first sliding frame, a second sliding rod is arranged between the first sliding frames, the second sliding rod is provided with a second sliding frame in a penetrating mode, a spot welder is arranged on the upper side ...

The EV Prismatic Battery CTP (Cell-to-Pack) Automatic Welding Line is a high-performance, fully automated production line for assembling prismatic cells directly into battery packs without using traditional modules. The system integrates advanced welding technologies, precision handling, and quality inspection processes to ensure structural integrity and electrical performance. ...

Battery module welding device

The invention provides a confluence welding device of a battery module, which comprises a conveying mechanism, a supporting mechanism and a pressing mechanism, wherein the conveying mechanism is arranged on the conveying mechanism; the supporting mechanism is used for supporting the superposed bus bars and bus sheets; the pressing mechanism ...

The invention discloses a welding device for a new energy battery module, which comprises: the shell of the laser welding machine is internally provided with an operation cavity; the dragging device is arranged in the operation cavity, and the adjusting device is arranged on the dragging device; the template assembly is arranged on the adjusting device, and the template assembly ...

The invention provides a battery welding device and a battery module, and relates to the technical field of battery welding. The device has the advantages of simple structure, high reliability and easy operation, and is beneficial to improving the production efficiency. Specifically, the device presses the collector plate through the driving module provided with a plurality of ejector pins, ...

The utility model discloses a battery module welding auxiliary device, which comprises a base, a fixing device and a movable pressing device, wherein the fixing device and the pressing device are respectively and fixedly arranged at two opposite sides of the upper surface of the base, and a space formed between the fixing device and the pressing device is used for placing a battery ...

The present invention relates to a welding inspection device of a battery module and a method for inspecting welding of a battery module using the same, wherein two or more battery...

Prismatic battery module semi-automatic assembly line is mainly used in the production of new energy lithium battery modules, Prismatic battery modules, energy storage battery modules, power battery modules and pack welding ...

Micro TIG welding can also handle up to 0.020-inches (500 micron) thick material with a 200 A output power supply, but thicker tab material requires additional heat that can be a safety concern. HIGH SPEED POSITIONING. Battery modules are getting larger and larger and the demand for battery packs is ever-increasing. High speed positioning ...

Step 4: Connecting the Cells inside the Module. Current Collectors or Contact Tabs are electrically wired together; The Contacts are done by Welding (Ultrasonic, Laser, Resistance Welding) or Screwing

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