

This production line is suitable for over 90% of cylindrical products in the market, with a high degree of standardization. Main processes include manual feeding, OCV sorting and scanning, secondary scanning, manual insertion into brackets, AI polarity detection, NG station, A-side laser welding, automatic fixture plate flipping, B-side laser welding, and manual fixture disassembly.

The invention belongs to the technical field of battery welding fixtures, and particularly relates to a high-precision positioning welding fixture for a new energy automobile...

Welding Fixtures are the cornerstone of all our projects, ensuring precision and efficiency. Welding fixtures and their various types are the basis of our work. What is a welding fixture ? Definition and Purpose. Welding Fixtures are special tools that hold components securely in place while welding. Their design aims to provide accuracy ...

Advantages of Lithium Battery Welding: Laser welding offers high energy density, minimal welding deformation, a small heat-affected zone, effective improvement of part precision, smooth and impurity-free weld seams, consistent density, and eliminates the need for additional grinding work. Laser welding allows for precise control, with a small ...

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Fixture of aluminum welding for new energy vehicle battery box. Home. Products. Linear Rail. Servo Positioner. Robot Protective Clothing. Safety Fence. Fixture. Robot Cable. Robot Cable Pack. Laser Equipment. Case. Linear Rail Case . Servo Positioner. Robot Integration Project Case. Safety Fence Case. Fixtures Case. Robot Cable Case. Robot Cable Pack Case. Laser ...

The friction stir welding joint has a dense forging structure, no pores, no cracks, no element burning. 4. No filler wire, solder and flux are required for welding. No vacuum or gas protection is required. Less equipment investment, low welding energy consumption, simplified welding process, can reduce operating costs and investment costs 7 ...

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