

Design of automatic welding device for solar container cabinet

Based on the research of the space trajectory intersection line motion space, the mathematical model was established, based on the design of jacket space intersecting line of multi axis automatic welding ...

This work describes the conceptual design, the mechanical design, and the design of control system of a new clamping device for the free curve welding. The basic function of the clamping device is to ...

Why are automatic arrangements provided for resistance welding? Automatic arrangements are provided to switch off the supply after a pre-determined time from applying the pressure, why because ...

An automatic tin welding machine for solar photovoltaic assembly terminal box, comprises manipulator, send tin system and temperature control system, and wherein manipulator comprises Pneumatic ...

Abstract Based on the analysis of the type of grounded flat steel welding, the transformer station grounding flat steel automatic welding system is designed by using the XDM PLC ...

This paper describes a novel end-to-end approach for automatic welding-robot programming based on a product-process-resource (PPR) model, for one-of-a-kind manufacturing ...

2.1. Composition and Working Principle of Welding Robot Workstation The system of welding robot workstation consists of industrial robot, welding platform, welding gun, control cabinet and fence. As ...

The invention discloses an automatic welding system of an inflatable cabinet, which comprises a servo movable base; servo removes base: a welding robot is arranged at the upper end of the welding ...

Abstract Based on the specifications and layout of piping systems related to CFETR design, this paper studies automatic in-pipe laser cutting and welding robots (CWR) in confined ...

The invention provides automatic welding equipment for a cylindrical steel structure and a welding method thereof. Through staple bolt structure, can hold the dress at the outside of cylinder steel ...

Not only can the welding device move randomly in space so as to let the welding be faster and more accurate and improve positioning accuracy, but also high-frequency induction heating is adopted, and ...

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In order to solve the problems of difficult manual positioning, misalignment and low efficiency, an automatic welding production equipment for the load-bearing frame was designed. It was mainly ...

Abstract In response to the welding requirements of aluminum alloy core components, an automated Tungsten Inert Gas (TIG) welding system has been devised to address issues related ...

Therefore design of an automatic feeding device of blade holder in rotary cultivator blade shaft welding equipment is presented in this paper. The welding process of a blade shaft weldment was completed ...

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Various industries gradually realize automatic welding through the combination of robot system and field equipment. To overcome the defects of traditional welding process, such as high ...

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