

Automatic bridge welding robot for welding operations

Specifications :

Detail Introduction :

Advantages of Welding Robots.

Advantage of Automatic Robot Welding Machine

Automatic bridge welding robot is an automated machine used for welding work. In automatic bridge welding application, it can improve the welding efficiency and stabilize the welding quality in the case of improving the welding speed.

Mechanical structure of the bridge welding robot.

Lifting mechanism of the welding robot.

Longitudinal mechanism design of the welding robot.

Welding robot's welding gun.

Advantages of Welding Robots.

1. Improvement of production efficiency and quantification of production cycle.
2. Stable and reliable welding quality.
3. Improvement of worker labor intensity and the ability to work in hazardous environments.
4. Reduce the requirements and dependence on workers' operating skills.

Kiande specializes in welding industrial robots, providing free customized solutions, pre-welding fixation, in-welding protection, corner welding process optimization.

Automatic robot welding machine is to achieve automatic welding on cable tray production. It will highly improve the welding efficiency, stabilize the welding quality while improving the welding speed.

Its composed of three parts;

- 1)robot system;
- 2)welding system;
- 3)series of auxiliary equipment.

Advantage of Automatic Robot Welding Machine

1. Improve production efficiency, the robot can work continuously without pause or rest in the operation process. Shorten the period of product transformation, It can realize the welding automation of small batch products.
2. Improve product quality, with automatic robot welding, the welding parameters of each weld are constant, and the weld quality is less affected by human factors, also reduces the requirements for workers' operation technology.
3. Improve the worker's Labor intensity, reduce enterprise cost, one robot can replace 2 to 4 industrial workers, which is different according to the specific situation of the enterprise.
4. Easy to arrange production plan, robot welding product cycle is clear, easy to control product output. Quantification the production

Kiande is focus on industrial welding robot. Provide customized solutions for free. Fixing before welding, protection during welding, and optimization of corner welding process.

Main configuration

No.	Configuration	Parameter
1	Canope robot YH144	3 sets
2	Magmite 350 welding machine	3 sets
3	2 meters semi-automatic pneumatic bridge tooling	6 sets
4	Welding range	Length 2000mm, 3000mm, 6000mm Width 200mm--800mm
5	Welding material	carbon steel, stainless steel

Core Components:

Code	Item	Brand	Qty
1	Robot	Panasonic	3 set
2	Pulse welding machine	Panasonic	3 set
3	L=2M Semi-automatic pneumatic welding fixture	Kiande	6 set

Application:

Code	Item	Parameter
1	Welding length	2000mm,3000mm,6000mm
2	Welding width	200mm--800mm
3	Welding material	Carbon steel, stainless steel



