

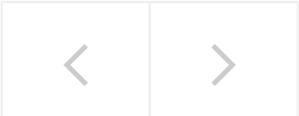
## Laser welding machine for motor stator core

### Brief Description

The laser welding system of motor stator core is a semi-automatic equipment designed for laser welding and forming of stator core of block DC motor;

Categories Precision welding machine

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### System introduction

The laser welding system of motor stator core is a semi-automatic equipment designed for laser welding and forming of stator core of block DC motor; The laser welding machine adopts 4-way fiber transmission, manual feeding, automatic pressing into the fixture, rotating for 3 times, and completing 12 welds. It is equipped with Ventilation system, dust removal, safety protection and other functions. Industrial control system, friendly man-machine interface, simple operation, stability and reliability

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## System Characters

The energy of laser beam is concentrated, welding speed is fast, post welding deformation is minor, heat effect zone is small

4-way fiber transmission and 4 welding joints equipped, welding at the same time

The double claw structure realizes the feeding and blanking at the same time, improving efficiency.

High welding precision. Automatically popping up from the fixture makes the automatic feeding convenient.

Industrial control system, friendly man-machine interface, simple operation

Equipped with protection cover, access control and safety interlock, operation safety secured.

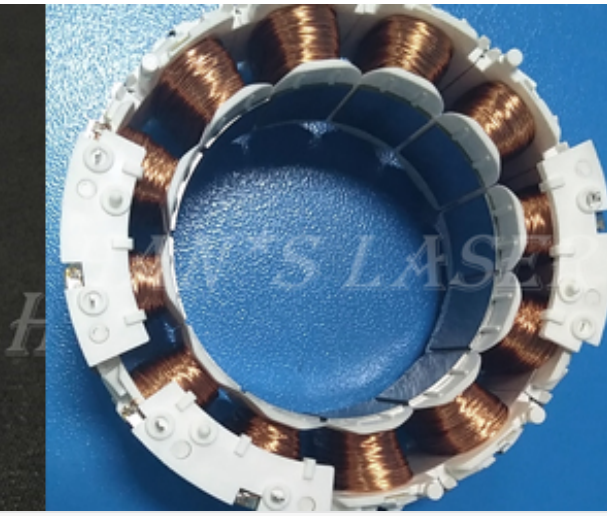
## System parameter

|  |   |
|--|---|
| Laser  | PB300CE   |
| Welding joint                                  | 36 series welding joint                               |
| Platform configuration                         | 6 axes  |
| Platform trail                                 | Design based on requirement                           |
| Control system                                 | PLC   |
| Motion platform repeated positioning precision | $\pm 0.02\text{mm}$                                   |
| Automation degree                              | Manually loading and unloading, automatically welding |
| welding trail                                  | CNC programming or demonstrating                      |
| Power demand                                   | Single phase AC220V,AC380V,3kW                        |

# Sample



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welding

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- Industrial robots
- 3D printers

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- Brittle Material Industry
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