

## FLYLaser Series Robot Laser Welding Workstation

- Automatic robot welding workstation, highly flexible modularization scheme, can meet the personalized requirements of customers.
- Simple operation panel, easy to use, fully closed cover, universal design, easy to install, with high level of protection.
- The dual-axis transposition machine integrated with the external shaft of the robot can realize the linkage with the six-axis robot, the reach envelope area of the robot is wide, and the standard communication interface and air channel interface inside the converter can realize the interchange of different fixtures.
- The maximum production capacity of the product is more advantageous than the traditional processing method.
- The welding speed is fast and the production efficiency is high. The deep welding is realized and the depth and width ratio of the weld is large.
- The heat input during welding is small, the welding seam and heat affected zone are small, and the deformation of workpiece after welding is small. High heating and cooling speed, fine weld grain and high weld quality.



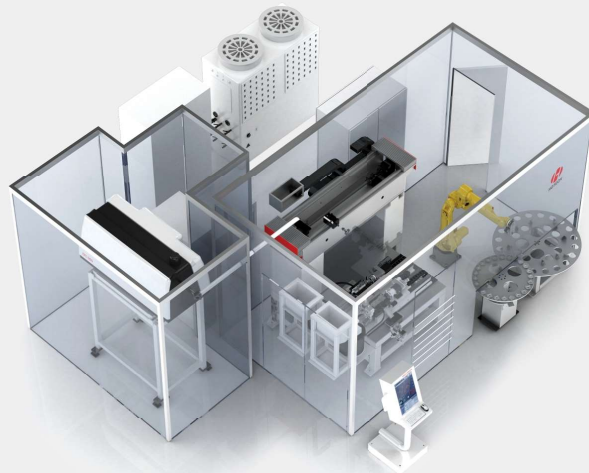
## AUTOGEAR Automatic Gear Laser Welding Line

- It is mainly applicable to the processing of second, third, fourth, fifth and reverse gears of automobile gearbox, and it has the functions of full automatic handling, cleaning before welding, pressing installation, production of multi-variety mixed line and removal of welding slag.
- Adopt modular design, personalized choice of automatic, semi-automatic, manual and other types of products.
- The equipment can provide high quality, high precision and high efficiency welding quality guarantee for customers.



## JKH Series Automotive Parts Laser Welding Equipment

- Easy to operate by single semi-skilled operator.
- Automatic loading and unloading by robot, highly efficient production, production over one million a year.
- Distinctive tooling design, reach automatic clamping and welding for recliner part.
- Fiber laser source, made in USA and Germany.
- Professional optic fiber laser welding head, import from Germany.
- High quality pneumatic component, import from Japan.
- Professional chilling, ventilation and dust removal system.



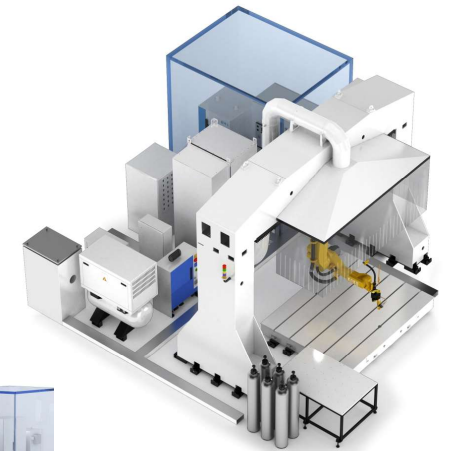
## JRHseries 3D Fiber Flexible Welding System

Specially designed for large-scale, high-power fiber laser three-dimensional flexible multi-function processing for military research, with laser welding, cladding/treatment, and laser heat treatment.

- The unique design of horizontal moving inverted gantry structure can adapt to the processing of different specifications parts.
- The equipment with flexible, multi-function of laser welding, cladding/treatment, and laser heat treatment.
- Fiber laser source, made in USA and Germany.
- Professional optic fiber laser welding head, import from Germany.
- High quality pneumatic component, import from Japan.
- Professional chilling, ventilation and dust removal system.

### Main technical parameters

Project	Parameter
Robot working range	Radius 2030mm
Fiber laser source power	5000W
Y axis stroke	2000mm
Welding platform Working area	2500mm*2000mm
A axis chuck radius	400mm
B axis rotation angle	0~95°



## BIW and Automobile Components Welding

- Applied to BIW laser welding equipment, auto exhaust pipe laser welding production line, auto safety airbag laser weakening, automotive airbag liner laser welding, automobile gearshift sleeve automatic laser cutting, automobile gear laser welding, auto tires laser cutting, etc.
- All products can replace imported equipment. Quality and technology indicates all reach advanced world standard.



## LW Series Large Plates CNC Laser Welding Equipment\_Pressure Container

LW series large plates CNC laser welding equipment is specifically suitable for industrial pressure vessel, wine brewing, food processing, biological fermentation and other fields.

- Gantry structure fixture, mobile working table structure.
- X, Y axes are driven by high precision rack and pinion; Z axis is driven by ball screw. It is of high efficiency, fast response and other advantages. Follow-up press device is installed to the box on Z axis, which could remove the gap between the up and down plate, while welding, and ensures the high quality laser welding.
- Meantime, there's a tracing device installed to the laser welding head, which could automatically adjust the heat deformity during welding, to keep the focal length stable.



### Main technical parameters

Laser source power	3000/4000W
CNC system	SIMENS840D 24 inch displayer
Thickness of plate	0.8-1.5mm
Thickness of the bottom side	Single time welding range is 3m to 8m.
Welding material	Stainless steel heat release plate, high grade radiator, pressure vessel, and etc.
Processing way	Roller installed to the worktable, large size workpiece is to be moved by the roller, laser not move, to ensure the stability of welding quality.
Welding way	Butt welding, stitch welding.

