

## Robot Fiber Laser Metal Sheet Cutter



### ▶ FEATURES

- High precision Staubli industrial robot, aluminum alloy arm, light weight. The unique hoisting device ensures the operating accuracy under any posture.
- Adopts fiber laser source, good beam quality, stable power and low energy consumption.
- Robot is fixed on crane gantry, which enjoys large working range and Easy for loading and unloading It can process large sheet metal forming parts.
- Equips with the laser cutting head with follow-cutting function, compact structure, light weight, the focus lens is double protected, with low cost.
- The fully enclosed protection housing adopts the safety interlock design, effectively isolating the processing zone, avoiding the laser radiation damage and with high safety.

### ▶ Laser Source

This model equips with IPG fiber laser source, IPG laser source enjoys the following advantages:

- It has a super compact design with the laser housed in a hermetically sealed cabinet.
- A dehumidifier is installed within the cabinet to ensure optimal internal humidity.
- Industry-leading wall-plug efficiency our lasers are known for has reached over 40%
- The electrical cost savings add up to many thousands of dollars over lifetime of a laser.
- Wide variety of fiber delivery options(50, 100, 150 or 200  $\mu$ m) core diameter.
- Record reliability and maintenance-free operation.
- Hot redundancy ensures 100% up time with no change in power.
- Compact Rugged Design.



INDUSTRIAL ROBOT TECHNICAL PARAMETER	
Robot	FANUC M-20iA
Output laser power	1500-2000W
Arm span	1511mm
Axis1	340°
Axis2	260°
Axis3	458°
Axis4	400°
Axis5	360°
Axis6	900°
Reposition accuracy	±0.04mm (VDI/DGQ3441)
Standard load	12kg
Max load	20kg
Overall dimension	7000×4000×3200 mm

