

# Laser Robot "R" series

## RN16/RN18/RN26

### 3D robot fiber laser cutting machine

#### Application Industry

Automotive sheet metal, shaped tube and parts, internal high-pressure tubes, thermoformed tubes, household appliances and bathroom, advertising lighting.

#### Samples



#### Configuration And Parameters

Robot brand	FANUC	FANUC	ABB	KUKA	Staubli
Type	M20iB	M800	IRB2600	KR20 R1810	RX160L
Loader	25kg	60kg	12kg	20kg	28kg
Working radius	1850mm	2040mm	1850mm	1810mm	2010mm
Installation type	Formal, upside-down, angle	Formal	Formal, upside-down, angle	Formal, upside-down, angle	Formal, upside-down
process accuracy	±0.15mm	±0.1mm	±0.2mm	±0.2mm	±0.15mm
Repeatability	±0.02mm	±0.015mm	±0.04mm	±0.04mm	±0.05mm
Kaser power	1500W-6000W	1500W-15000W	1500W-3000W	1500W-6000W	1500W-6000W
Optional	Walking axis, positioner, offline programming software, protective fence, gantry, plate cutting table, dust collector..				

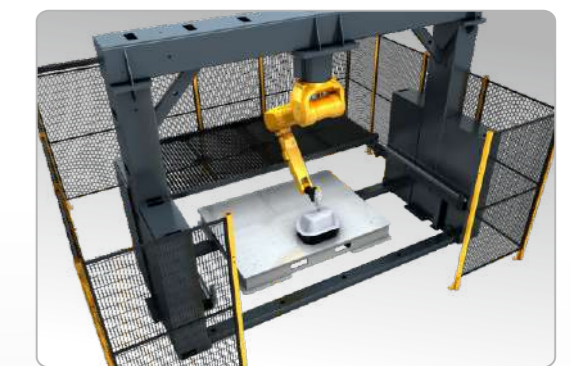
#### Machine Details



**01** Realize a wide range of flexible processing, a variety of protection options, can be isolate the robot working area to ensure the safety of workers.



**02** A variety of installation methods such as formal/inverted/angle to meet the needs of different customers.



**03** 3D and 2D application, optional gantry can be equipped with a 2-D cutting platform, can achieve 3-D cutting and plate cutting functions on the same equipment.

# Laser Robot "R" series

## RE16/RE18/RE26

### 3D robot fiber laser cutting machine

#### Application Industry

Applicable to processing automotive sheet metal, special-shaped tubes, internal high-pressure tubes, thermoformed tubes, rail transportation, fitness equipment, home appliances and sanitary ware, advertising lighting, musical instrument crafts, and special-shaped parts.



#### Configuration And Parameters

Robot brand	FANUC	FANUC	ABB	KUKA	Staubli
Type	M20iB	M800	IRB2600	KR20 R1810	RX160L
Loader	25kg	60kg	12kg	20kg	28kg
Working radius	1850mm	2040mm	1850mm	1810mm	2010mm
Installation type	Formal, upside-down, angle	Formal	Formal, upside-down, angle	Formal, upside-down, angle	Formal, upside-down
process accuracy	±0.15mm	±0.1mm	±0.2mm	±0.2mm	±0.15mm
Repeatability	±0.02mm	±0.015mm	±0.04mm	±0.04mm	±0.05mm
Kaser power	1500W-6000W	1500W-15000W	1500W-3000W	1500W-6000W	1500W-6000W
Optional	Walking axis, positioner, offline programming software, protective fence, gantry, plate cutting table, dust collector...				

#### Product Details

The "RE" series of three-dimensional robotic laser cutting machines adopt an overall sealed sheet metal enclosure design, enhancing the safety protection capabilities of the equipment and effectively solving the problem of exhaust gas collection and treatment during laser cutting. The vertical structure combined with a dual-workstation positioning machine configuration allows for independent loading and unloading of workpieces without affecting each other, resulting in higher equipment utilization rates.

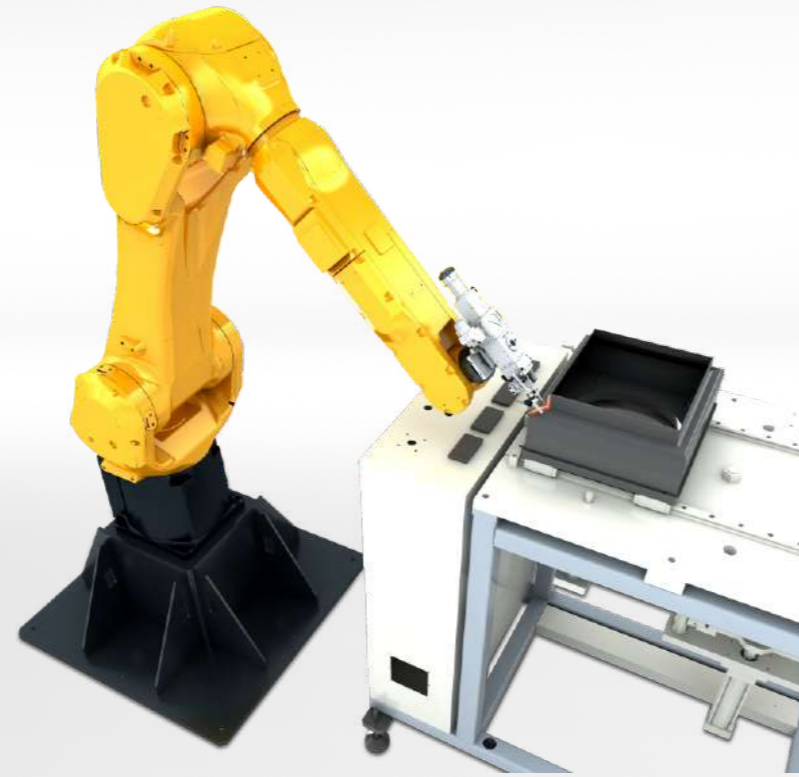
#### Samples



# Laser Robot “R”series

## RV16/RV18/RV26

### 3D robot fiber laser cutting / welding machine



## Application Industry

Applicable to processing automotive sheet metal, special-shaped tubes, internal high-pressure tubes, thermoformed tubes, rail transportation, fitness equipment, home appliances and sanitary ware, advertising lighting, musical instrument crafts, and special-shaped parts.

## Configuration And Parameters

Robot brand	FANUC	FANUC	YASKAWA	ABB	KUKA
Type	R2000iC	M20iB	Gp25	IRB2600	KR20 R1810
Loader	165kg	25kg	25kg	12kg	20kg
Working radius	2655mm	1850mm	1730mm	1850mm	1810mm
Installation type	Formal, upside- down, angle	Formal, upside- down, angle	Formal	Formal, upside- down, angle	Formal, upside- down, angle
Processing accuracy	±0.2mm	±0.15mm	±0.1mm	±0.2mm	±0.2mm
Repeatability	±0.05mm	±0.02mm	±0.02mm	±0.04mm	±0.04mm
Laser power	1500W-20000W	1500W-6000W	1500W-6000W	1500W-3000W	1500W-6000W
Optional	Walking axis, positioner, offline programming software, protective fence, gantry, plate cutting table, dust collector...				

## Product Details

- ✓ Advanced high-precision robots have a wide range of motion, low failure rate and easy maintenance.
- ✓ The flexible processing system adopts PLC control to facilitate the management of multiple processing procedures and fixtures.
- ✓ The equipment is equipped with bus communication options and equipped with gas pressure sensors to avoid rapid damage to consumables.
- ✓ Optional walking axis, gantry, base or positioner to expand the processing range of a single robot.
- ✓ It can be equipped with standard/swing/galvanometer welding head, welding seam tracking/detection system, wire feeder, coaxial/paraxial air blowing, etc.
- ✓ Laser welding speed is 5- 10 times faster than traditional welding machine.

