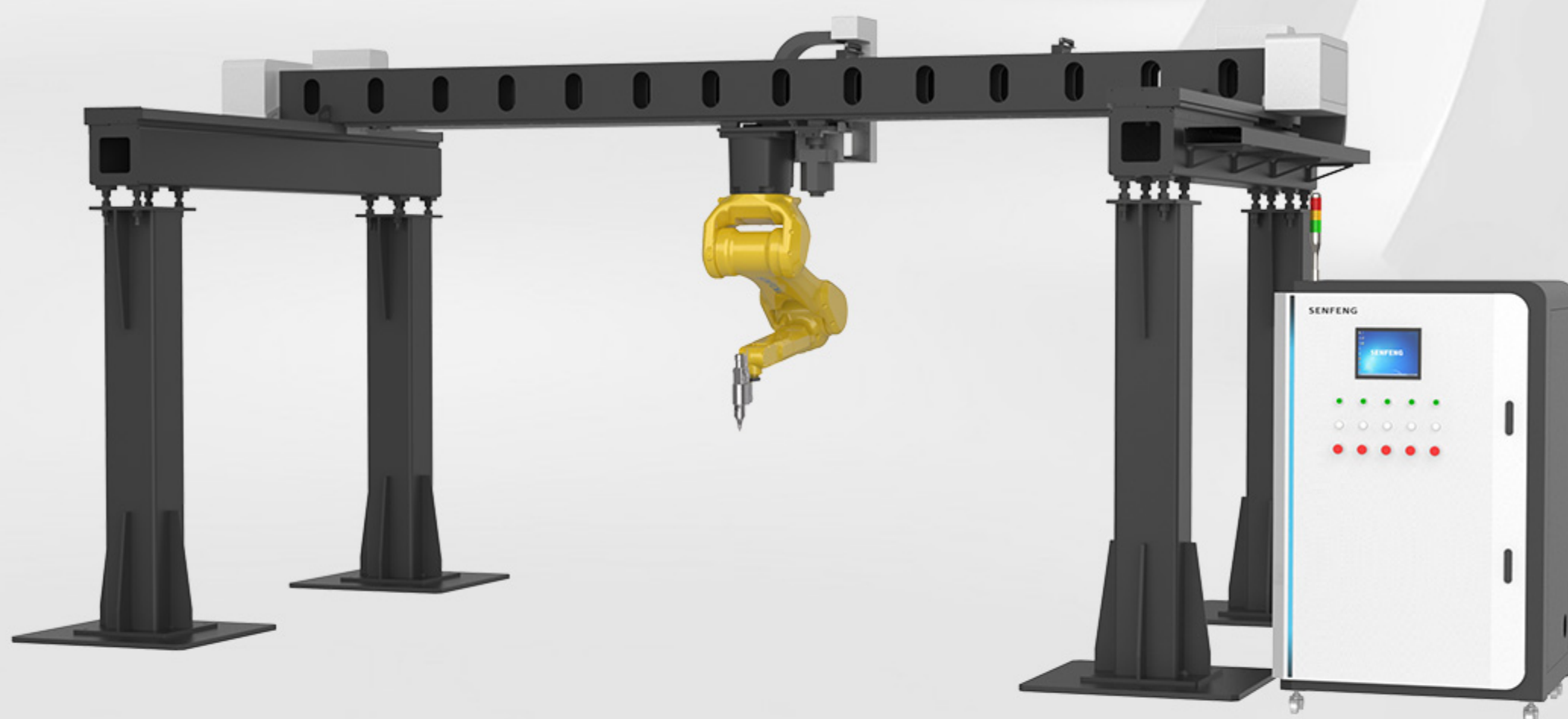


# 3D 8-Axis Robot

X axis stroke:4000mm  
Y axis stroke:2000mm



3D Robotic cutting machine

## 3D 8-axis Intelligent Laser Cutting Equipment

The 3D 8-axis intelligent laser cutting equipment is composed of fiber laser cutting head, high-precision capacitive tracking system, fiber laser source and industrial robot system, which can flexibly cut metal plates with different thickness from different angles and directions.

For more details or price of 3D Robotic cutting machine, just send e-mail to us. [✉](#)

CATALOGUE



INQUIRY



## Technical Parameters of 3D 8-axis Intelligent Laser Cutting Equipment

X axis stroke(mm)	4000
Y axis stroke(mm)	2000
Qty of axis	8
X/Y axis maximum speed(m/min)	60
Maximum acceleration(G)	0.6
Maximum processing area(m)	4.5X4.5
Accuracy of positioning(mm)	±0.03
Working Table	Fixed/rotated/moved
Laser power(kw)	1kw/2kw/3kw



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## Product advantage:

3D Robot fiber laser cutting machine had perfectly integrated the special fiber laser cutting head, high precision capacitive tracking system, fiber laser and industrial robot system for flexible cutting of multi-angles & multi-directions metal sheets.



### High Stability

Gantry double drive, high stability, can ensure the long-term stable and high-precision operation of the equipment; fixing support parts are installed in front and back to strengthen the structural stability; the foundation is laid at the customer's site to ensure the firm installation of the machine chassis and stable operation of the equipment.



### Multi-function

- The equipment is not only used for 3D cutting of work-piece, but also for flat plate cutting. At the same time, it can realize the function of large format laser welding.



### Diversity

According to the needs of customers, we can customize the equipment with different sizes, and the current maximum processing range is 4.5mx12m;we can configure worktables with different purposes, such as rotary positioner, translational rack and rail transmission table and fixed worktable.



### Cost performance

compared with the traditional 3D 8-axis cutting equipment, the cost is greatly reduced and the processing efficiency is higher.



The 3D Robotic cutting machine laser cutting machine is designed with an open structure. In the top center of the portal frame, there is a robotic arm to finish cutting operations at random points within the working table. The cutting precision reaches 0.03mm, making this cutter ideal for cutting metal sheets for automobiles, kitchen appliances, fitness equipment and more.

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## What are application materials?

3D 8-Axis Robot machine widely used in kitchen appliances, sheet metal chassis, cabinets, mechanical equipment, electrical equipment, lighting hardware, advertising signs, auto parts, display equipment; many kinds of metal product, metal sheet cutting etc.

