

# GTROBOTer Robotic Systems for Laser Cutting

## PRODUCT DESCRIPTION

GT Lasers 6-Axis 3D laser cutting robot can cut non-standard shape material. It can be six axis feed and is able to cut from 360 degree. Moreover, some non-standard materials, such as some with fixed geometry and angle, can also be cut by it.

The production flexibility, versatility and convenience of 6-Axis cutting allows you to innovate and develop new technological and design solutions.

Ideal to access new industrial sectors and be immediately competitive.

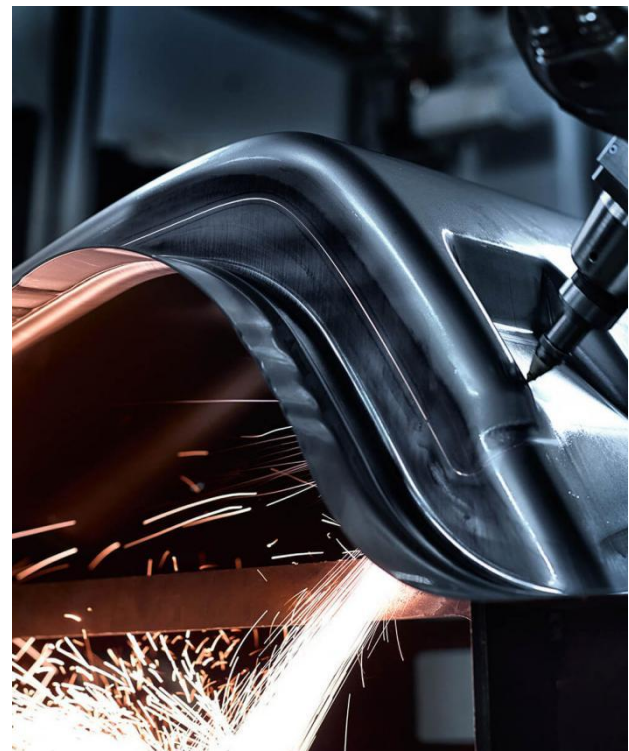
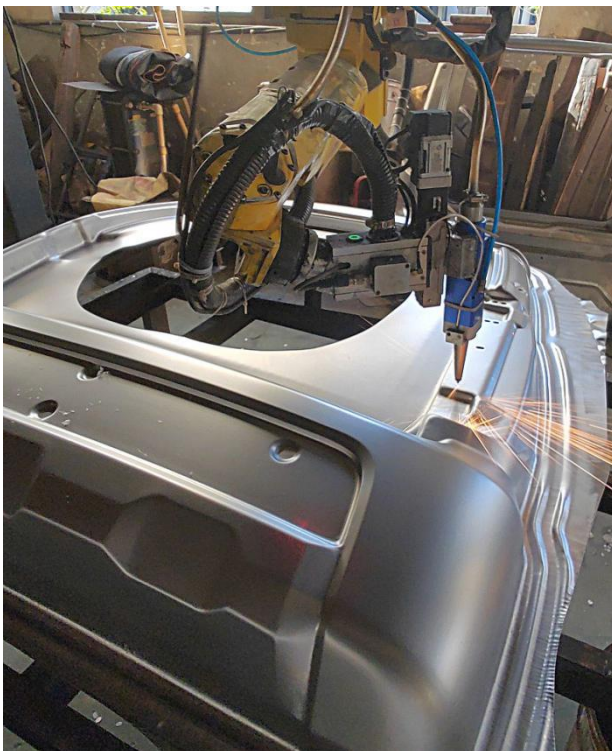


## PRODUCT FEATURE

- ▶ It uses the FANUC robot arms and FANUC operating system imported from Japan, making it convenient to use.
- ▶ Large processing area. The maximum working radius of six-axis is 2010mm.
- ▶ Equipped with a gantry which can expand the processing space and ensure the flexibility of cutting head.

## MAIN APPLICATION

- ▶ There are various irregular shape materials for processing automotive sheet metal, 3d kitchen ware and sports equipment. General fiber laser cutting machine can not achieve the precise processing of irregular materials, but GT Lasers 6-Axis 3D laser cutting robot can play well in these industries.



## TECHNIQUE INDEX

Performance	Unit	Supplement
Robot Brand		FANUC
Robot Model		M-20/B/25
Controlled Axes		6
Fiber Laser Source Power	W	1000 1500 2000 ( optional)
Max Payload	kg	25
Reach	mm	1853
Repeatability	mm	±0.02
Installation		Floor stand /Hang upside down /Wall mounted



## GT LASERS Fiber Laser Source

Ultra-compact Form Factors with the Highest Power to Volume Ratios.

Over 38% wall plug efficiency leading in the fiber laser industry.

Good quality and long life . Suitable for 24 hours continuous working .

## Switzerland Raytools Laser Head

Switzerland Brand , Good quality .Raytools is most popular as NO.1 on the world. Built-in double water-cooling structures can ensure constant temperature of collimating and focusing components, avoid lenses overheating and extend service life of lenses. protective lens can carefully protect key components.



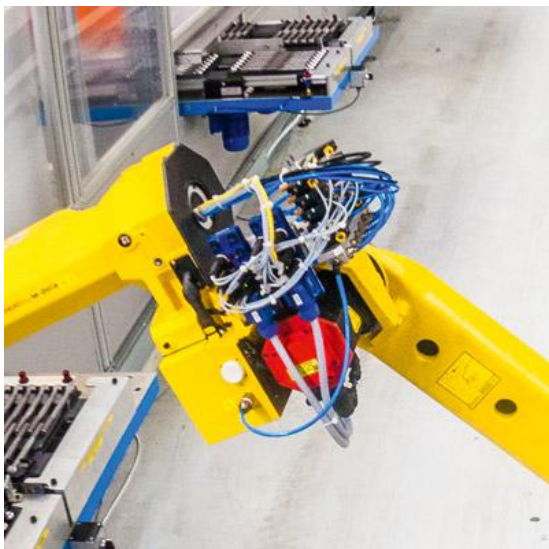
## FANUC M-20iB/25

Payload **25 kg**    Reach **1853 mm**    Axes **6**



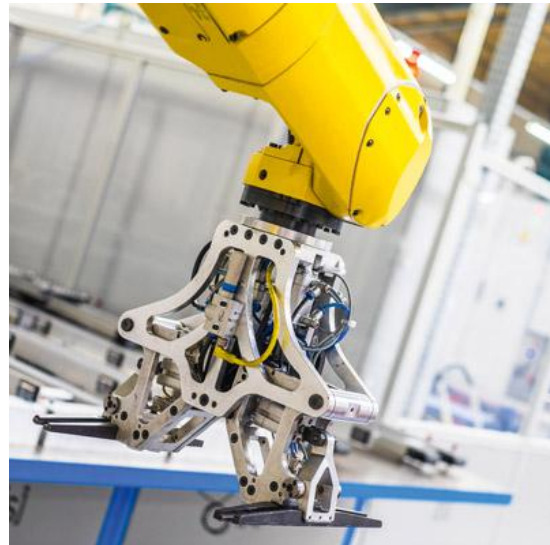
### 25 kg payload version

High wrist moments and inertia permit the handling of large grippers and heavier payloads.



### A footprint that fits

Thanks to its slim arm, wrist and compact footprint, the M-20 is ideally suited for narrow cells. Internal cable routing also means cable interference is a thing of the past.



### Extended communications

Control up to 40 axes (robot + auxiliary) on same controller and benefit from versatile communications capabilities such as FTP, DeviceNet, Profibus, Genius, FANUC Model A I/O rack or CC-Link.