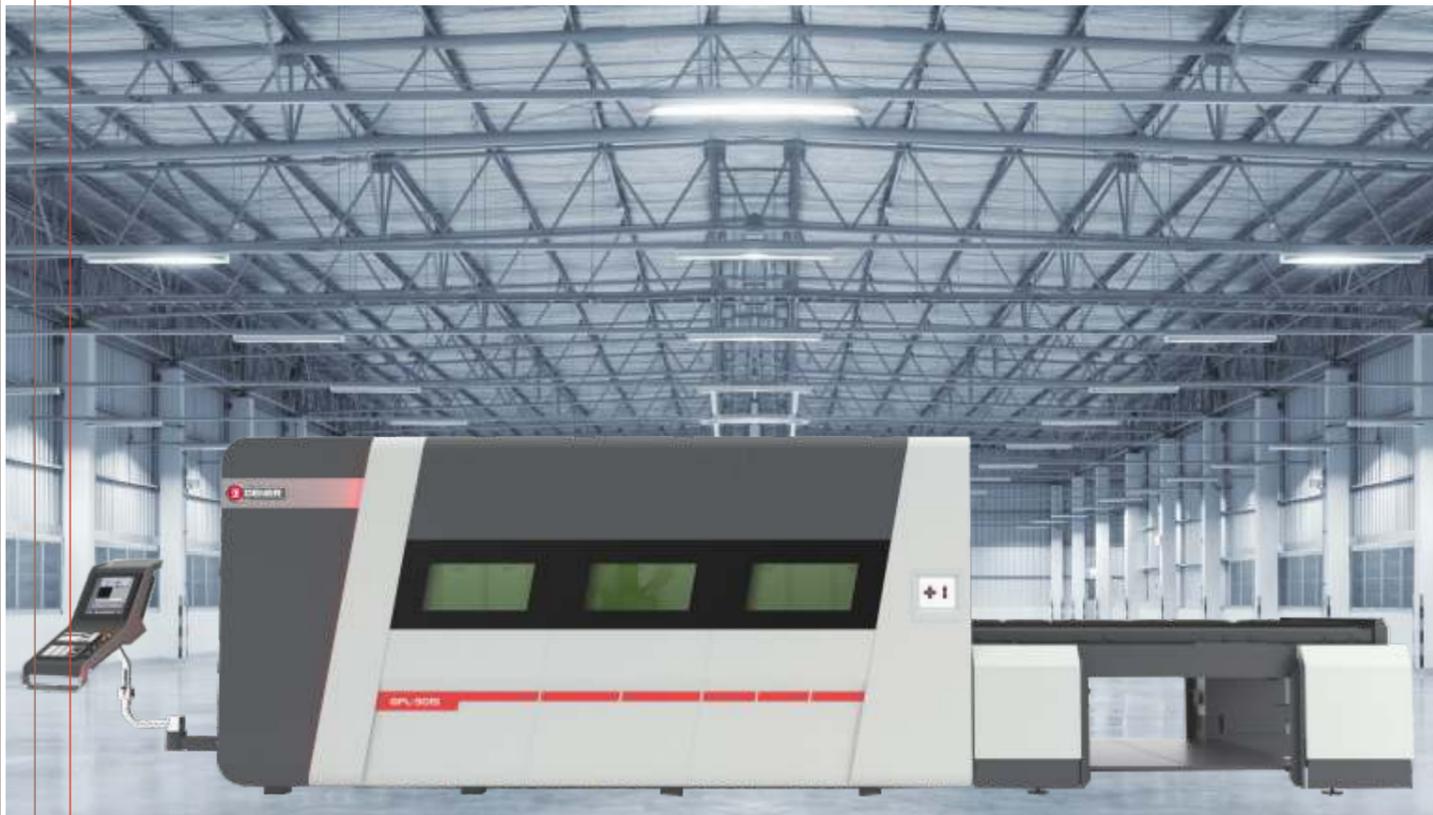


GANTRY FIBER LASER CUTTING MACHINE

DESIGN ADVANTAGES

- Advantage Of Small Placement Area
- Service And Maintenance Advantage
- Short Installation Duration And Easily Transportable In A Single Container



GANTRY FIBER LASER CUTTING MACHINE



GANTRY FIBER LASER			GFL-3015-L						
Assist Gases			Oxygen, Nitrogen, Compressed Air						
Resonator Power	w		1000	2000	3000	4000	5000	6000	8000
Fiber Core Diameter	µm		50			100			
Maximum Cutting Thicknesses	Mild	mm	8	15	18	20	22	24	30
	Stainless Steel	mm	4	8	10	15	18	20	25
	Aluminium	mm	3	6	8	12	16	20	30
	Copper	mm	2	4	5	6	8	10	12
	Brass	mm	3	4	5	6	8	8	10
Net Cutting	mm		1530 X 3050						
X,Y Axis Drive System			Rack and Pinion						
Z Axis Drive System			Ball Screw						
Z Axis Drive Stroke	mm		150						
Maximum Simultaneous X,Y Axis	m/dk		170						
Maximum Acceleration Z Axis	G		2						
Positioning Accuracy	mm		0,05						
Repeatability Accuracy	mm		0,02						

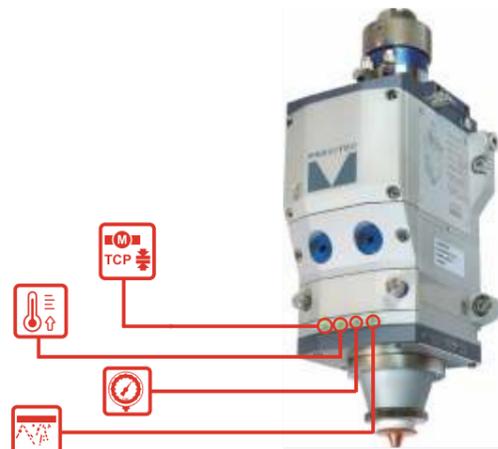
GANTRY Fiber Lazer Cutting Machine

The chip collection covers open and close according to the position of the cutting head. At the same time, it ensures that there will be no exhaust fumes or smoke in the work environment. The toggle table system is designed to increase workflow, facilitate material placement, and reduce part discharge time.



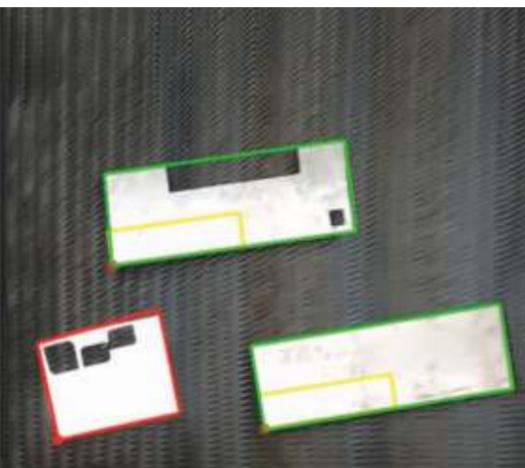
FANUC CNC CONTROLLER

Fanuc 31i-LB CNC Controller series The CNC control unit has a maximum of 24 axes that can be integrated into the system to control replacement automations, pipe cutting mechanism etc. Other optional functions can be accessed from a single CNC controller.



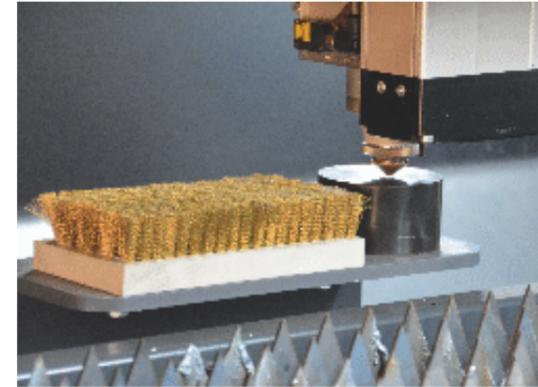
LED INDICATORS

Indicates the system status. Focus lens status, collimator lens temperature, ressure and protective glass temperature and pollution status.



AUTOMATIC SHEET MEASUREMENT SYSTEM

Automatic sheet measurement system is a standard system in this machine. The system automatically finds the location and orientation of the sheet, also it finds the size of the sheet so that the user can be sure if the desired cutting part will fit the sheet or not.



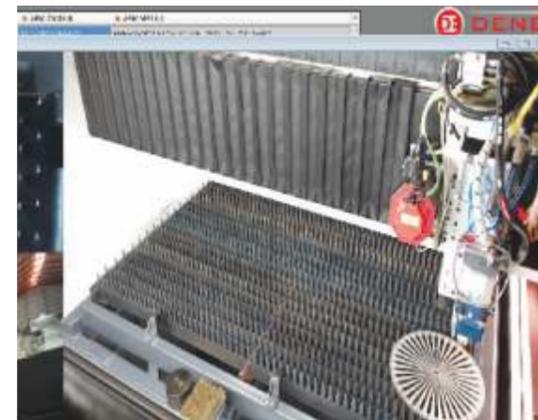
NOZZLE CLEANING AND CALIBRATION

Automatic cleaning of sheet metal parts adhering to the nozzle during cutting is necessary for good quality and rapid cutting.



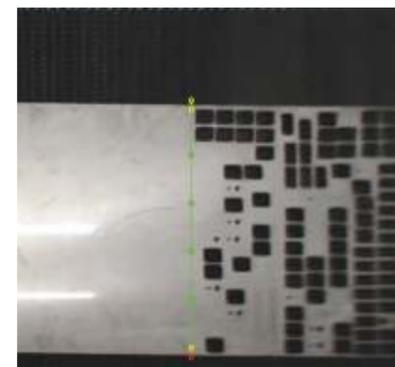
VISION SENSOR

The vision sensor on laser head can detect the material of metal sheet, it can monitor the cutting quality find the starting point in minimum time and check the piercing in real time. Currently available in Turkey only.



REMOTE MACHINE MONITORING

The machine can be accessed remotely, cutting can be monitored and problems solved. Thanks to 4 cameras available on the machine.



SHEET SEPARATION

Separating used part from main sheet was never so easy. With Dener camera System you can separate waste part directly from screen.

