



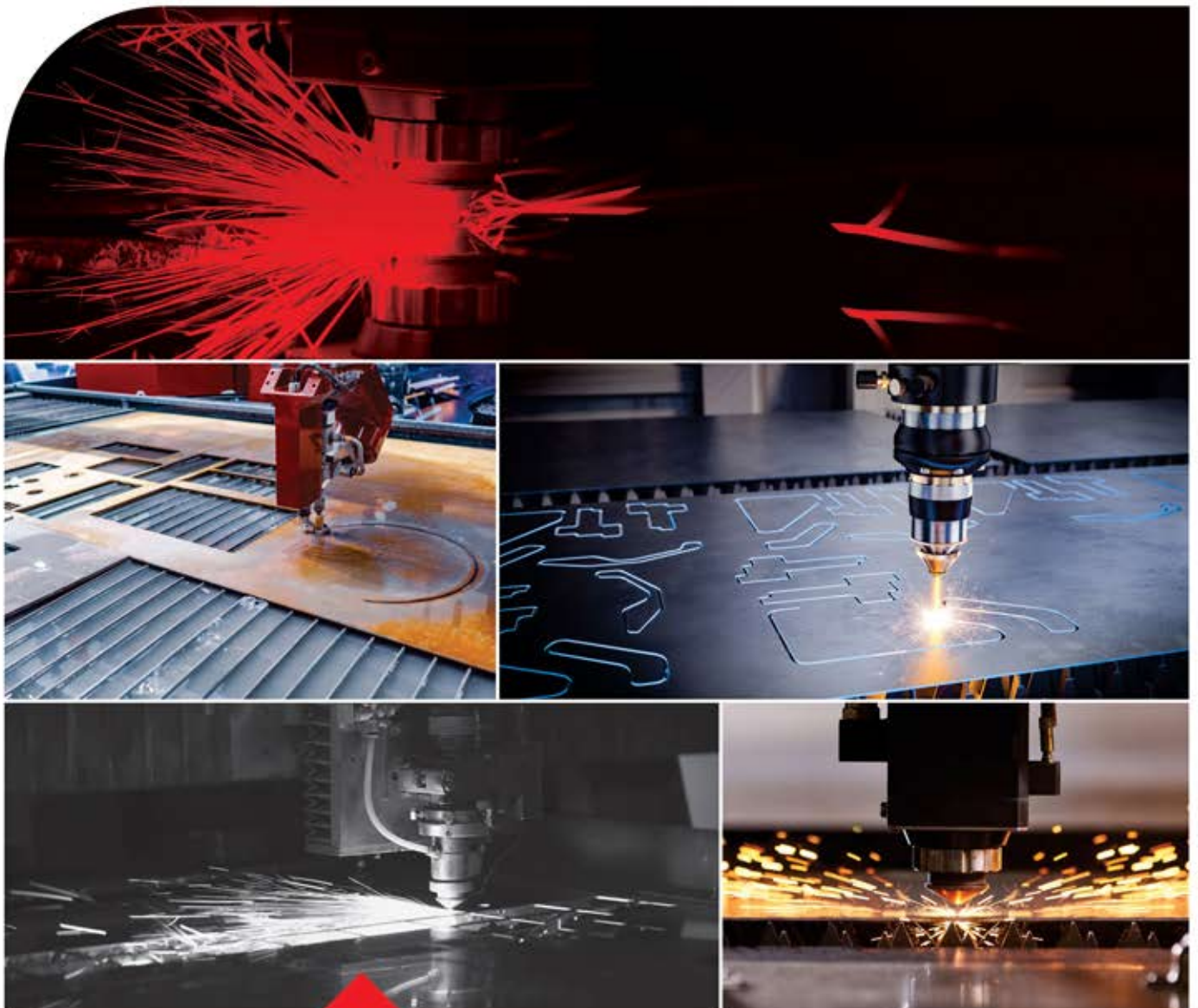
*Our Perfect Quality
Makes it Possible Your Creation*

MANUFACTURER OF

CNC Fiber Laser Cutting Machine
CNC Plasma with Oxyfuel Cutting Machine
Multi Torch CNC Plasma or Oxyfuel Cutting Machine
CNC Plasma Cutting Machine (Table Type)

ABOUT COMPANY

Our company, MICRO CUT ENGINEERING is the fastest growing company in the field of CNC Laser, Plasma Cutting Machine in India. We have manufacturing facilities at Ahmedabad, Gujarat. Plasma Cutting Machine has heavy structure frame and is equipped with World's Plasma source (HYPER THERM, USA) which is most reliable and stable. It is provided with automatic height adjustment systems. Even if the metal sheet is uneven, this system helps in maintaining equal distance between work piece and torch which provides better finishing of cutting and longer life of consumables. The application of Plasma Cutting Machine is to cut metal sheet like M.S., Steel, Aluminum, Galvanized sheet or any conductive metal. This machine is widely used in Design Cutting Industries, Engineering Industries, Decorations, etc. for cutting variety of metals.



Smart Machines, Smarter Lasers.

VISION & MISSION

Keeping in mind the latest advancements in the field of CNC Cutting Machine, we strive to achieve the highest levels of production efficiency. One of the things that make us stand out of the rest is our commitment towards quality and clients' expectations. We are well versed with the role of business strategies in our success, thus strive to improve the quality of our work by cushioning a buffer of association with most established vendors in the industry. We have our dedicated team to look after of your all automation needs and service support. There are lots of opportunities in these fields and we would love to absorb the same with our mutual growth.



CNC Fiber Laser Cutting Machine



Fiber laser cutting machine applications are in Metal cutting, Electrical switch manufacturing, Aerospace, Food machinery, Textile machinery, Engineering machinery, Locomotive manufacturing, Agriculture and Forestry machinery, Elevator manufactures, Special vehicles, Household appliances, Tools, Processing, IT manufacturing, Oil machinery, Food machinery, Diamond tools, Welding, Welding gear, Metal materials, Decoration advertising, Laser surface treatment of foreign processing services, such as all kinds of machinery processing industry.

MACHINE DETAIL'S

Laser Power Source	IPG, RAYCUS or MAX
Laser Wavelength	1070-1080nm
Working Area	1550 mm to 2500 mm x 3050 to 6500 mm
Cutting Thickness	MS 0.5-20 mm (Depends on Power Source)
Repeated Positioning Accuracy	±0.03 mm/1000 mm
Positioning Accuracy	0.03 mm
Traverse Speed (x-y)	70 m/min
Maximum Acceleration	1.2G
Max. Cutting Speed	40000 mm/min (Adjustable According to Different Cutting Thickness)
Servo Motor & Drive	1.5 to 2 kW A6 Series Panasonic Make
Gearbox	SHIMPO/Y.Y.C Make Gearbox 7:1 Ratio
Rack & Pinion	Y.Y.C make Helical Ground
Linear Guide	PMI make
Controller	CYP-CUT Controller
Software	FS-CUT Nesting Software
Cutting Head	RAYTOOL Auto – Focus Cutting Head (Made in Switzerland)
Electrical Components	Siemens
Colling System	Water Cooling

CNC Plasma with Oxyfuel Cutting Machine



Due to a high level of automation, easy set-up and user friendliness of this machine produces quality components - quickly and efficiently. The combination of oxyfuel and plasma cutting processes covers all commonly occurring materials and tasks

TECHNICAL DETAIL'S

Cutting Width	1.5 meters to 6 meters
Cutting Length	3 meters to 16 meters
Max. Cutting Thickness	0.5 to 32 mm in M.S. (Depends on Power Source)
Cutting Accuracy	±0.5 mm
Rapid Speed	0-12 m/min
Cutting Speed	0-5 m/min
Linear Positional Accuracy	±0.5 mm/m
Linear Repeat Precision	±0.5 mm/m

MACHINE DETAIL'S

Structure	Made of High-Quality Square Tube Steel Structure with Suitable Spar/Pads Precisely Machined Spar.
Plasma Power Sources	Hypertherm Power Source (Available range in 45A/65A/85A/105/125A/MaxPro 200)
Linear Guideways	Hiwin make Linear Guide 25 mm
Rack And Pinion	Helical 2 Module 24x24 mm Rack Y.Y.C. make and Ground Pinion
Controller	FLMC-2300B Plasma Controller
Torch Height Controller	F1621 –Auto Torch Height Controller with Anti-Collision and Arc Voltage
Servo Motor & Drive	Panasonic make Servo Motors and Drive
Drive Mode	Dual Drive with Servo Motor and Gearbox
Rail	Machining Rail with Suitable Spare Parts
Gear Box	Shimpo make Planetary Gearbox (Made in India)
Torch Lifter	Microcut make Lifter For Motorized Height Adjustment
Nesting Software	Most 2D
Cable Drag Chain	Igus make Cable Drag Chain (Made in Germany)
Cables	Igus make Cable (Made in Germany)
Flashback Arrestor	Messer make Flashback Arrestor

Multi Torch CNC Plasma or Oxyfuel Cutting Machine



The Multi Torch machine is designed to cut large production of parts of the same size and shape, in this machine we can achieve multiple productions in the same period of time in single machine.

TECHNICAL DETAIL'S

Cutting Width	1.5 meters to 4 meters
Cutting Length	3 meters to 16 meters
Cutting Thickness in Plasma	0.5 to 32 mm in M.S. (Depends on power source)
Cutting Thickness in Oxyfuel	6 mm to 100 mm Pierce Cut
Cutting Accuracy	±0.5 mm
Rapid Speed	0-12 m/min
Cutting Speed	0-5 m/min
Linear Positional Accuracy	±0.5 mm/m
Linear Repeat Precision	±0.5 mm/m

MACHINE DETAIL'S

Structure	Made of High-quality Square Tube Steel Structure with Suitable Precisely Machined Spar.
Plasma Power Sources	Hypertherm Power Source (Available range in 45A/65A/85A/105A/125A/MAXPRO200)
Linear Guideways	Hiwin Make Linear Guide 25 mm
Rack And Pinion	Helical 2 Module 24x24 mm Rack Y.Y.C make and Ground Pinion
Controller	FLMC-2300B Plasma Controller
Torch Height Controller	F1621 -Auto Torch Height Controller with Anti-Collision System
Servo Motor & Drive	Panasonic make Servo Motors and Drive
Drive Mode	Dual Drive with Servo Motor and Gearbox
Rail	Machining Rail with Suitable Spare Parts
Gear Box	Shimpo make Planetary Gearbox (Made in India)
Nesting Software	Most 2D
Cable Drag Chain	Igus Make Cable Drag Chain (Made in Germany)

CNC Plasma Cutting Machine (Table Type)



MICROCUT has redefined its plasma cutting technology with table type series. Table type series is manufactured as rapid cutting speed for plasma. These high-speed plasma machines are designed to cut a wide range of Architecture design, Interior design, Panel layout and Industrial blower etc.

FEATURES

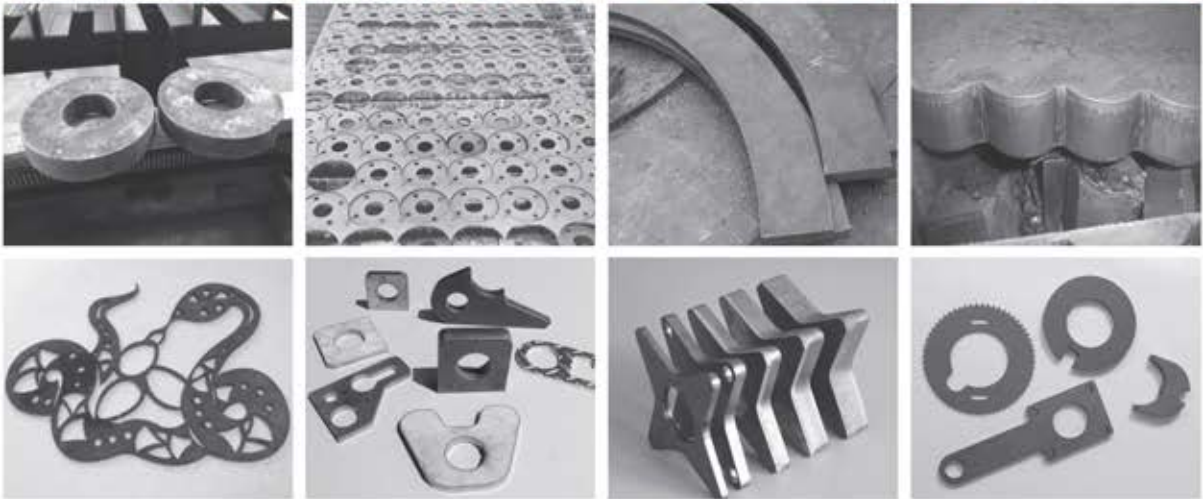
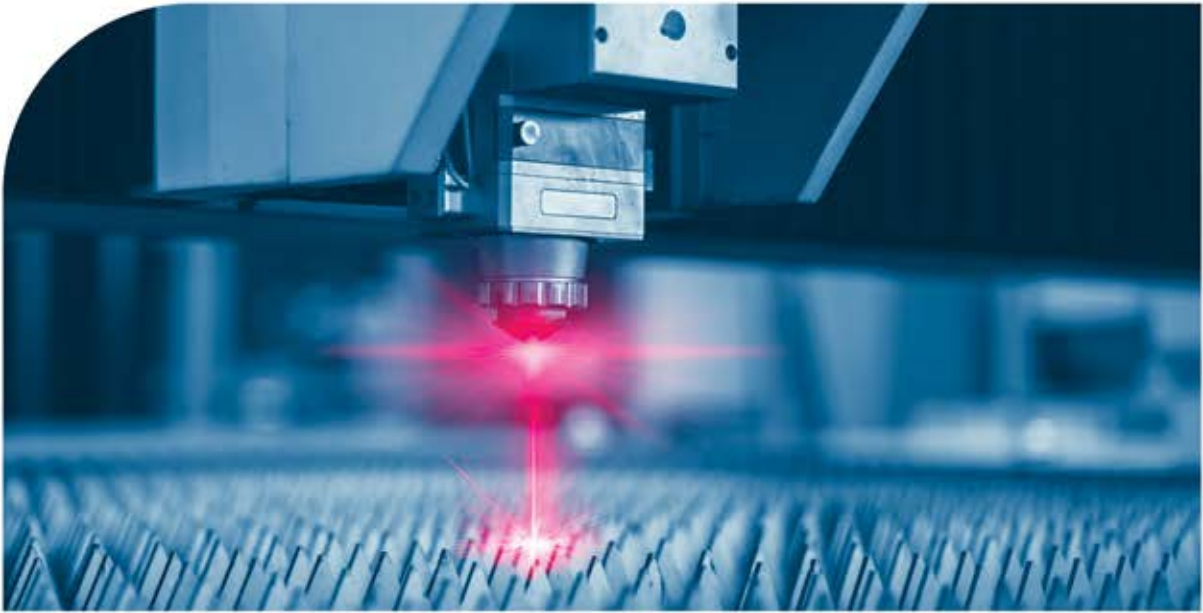
- » The table type machines are designed for fast & long-lasting industrial use and meet the highest requirements of precision, performance and ease of operation.
- » Excellent motion dynamics.
- » Efficient and user-friendly system.
- » Advanced height control for plasma cutting based on proprietary adaptive algorithms backed by ball screw actuated Z axis.
- » Covers for protection of mechanical parts against fumes and damages.

TECHNICAL DETAIL'S

Cutting Width	1.5 meters to 2 meters
Cutting Length	3 meters to 7 meters
Max. Cutting Thick	0.5 to 20 mm in M.S.
Cutting Accuracy	±0.5 mm
Rapid Speed	0-20 m/min
Cutting Speed	0-10 m/min
Linear Positional Accuracy	±0.5 mm/m
Linear Repeat Precision	±0.5 mm/m

MACHINE DETAIL'S

Structure	Made of High-Quality Square Tube Steel Structure with Suitable Spar/Pads Precisely Machined Spar.
Plasma Power Sources	Hypertherm Power Source (Available range in 45A/65A/85A/105)
Linear Guideways	Hiwin make Liner Guide 25 mm.
Rack and Pinion	Helical 2 Module 24x24 mm Rack Y.Y.C. make and Ground Pinion
Controller	FLMC-2300B Plasma Controller
Torch Height Controller	F1621 –Auto Torch Height Controller with Anti-Collision and Arc Voltage
Servo Motor & Drive	Panasonic make Servo Motors and Drive
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Torch Lifter	Microcut make Lifter for Motorized Height Adjustment
Nesting Software	Most 2D
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