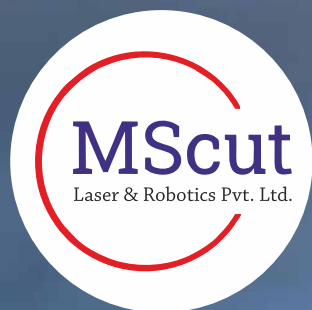


New Innovation In Industrial Laser Application



MSCUT LASER & ROBOTICS PVT LTD

- **Laser Cutting Machine**
- **Laser Welding Machine**
- **Laser Marking Machine**
- **Laser Cleaning Machine**
- **Robotics Fiber Laser Cutting Machine**
- **Robotics Fiber Laser Welding Machine**



Compact Single Table Fiber Laser Cutting Machine 1000W-20000W

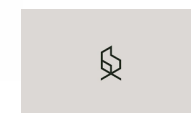


- ◆ Customized Size
- ◆ Extruded Aviation Aluminum Beam
- ◆ Autofocus Laser Head, Active Collision Prevention
- ◆ Intelligent CNC System
- ◆ EtherCAT Protocol

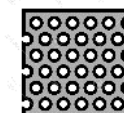
Product Parameters

| Model | ML-1530 | ML-1540 | ML-2040 | ML-2065 | ML-2565 |
|------------------------|-------------|-------------|-------------|-------------|-------------|
| Working Area | 1550x3050mm | 1550x4050mm | 2050x4050mm | 2050x6550mm | 2550x6550mm |
| Max Speed | 120m/min | 120m/min | 120m/min | 120m/min | 120m/min |
| Max Acceleration | 1.0G | 1.0G | 1.0G | 1.0G | 1.0G |
| Positional Accuracy | ±0.03mm | ±0.03mm | ±0.03mm | ±0.03mm | ±0.03mm |
| Re-positional Accuracy | ±0.02mm | ±0.02mm | ±0.02mm | ±0.02mm | ±0.02mm |

APPLICATION



Steel Furniture



Sheetmetal Work



Elevator



Architecture



Textile Machinery



Agriculture



Automotive



Orthopedic Implant



Aerospace

Open Exchange Table Fiber Laser Cutting Machine 1000W-20000W



- ◆ Exchanging Platform
- ◆ Extruded Aviation Aluminum Beam
- ◆ Autofocus Laser Head, Active Collision Prevention
- ◆ Intelligent CNC System
- ◆ EtherCAT Protocol

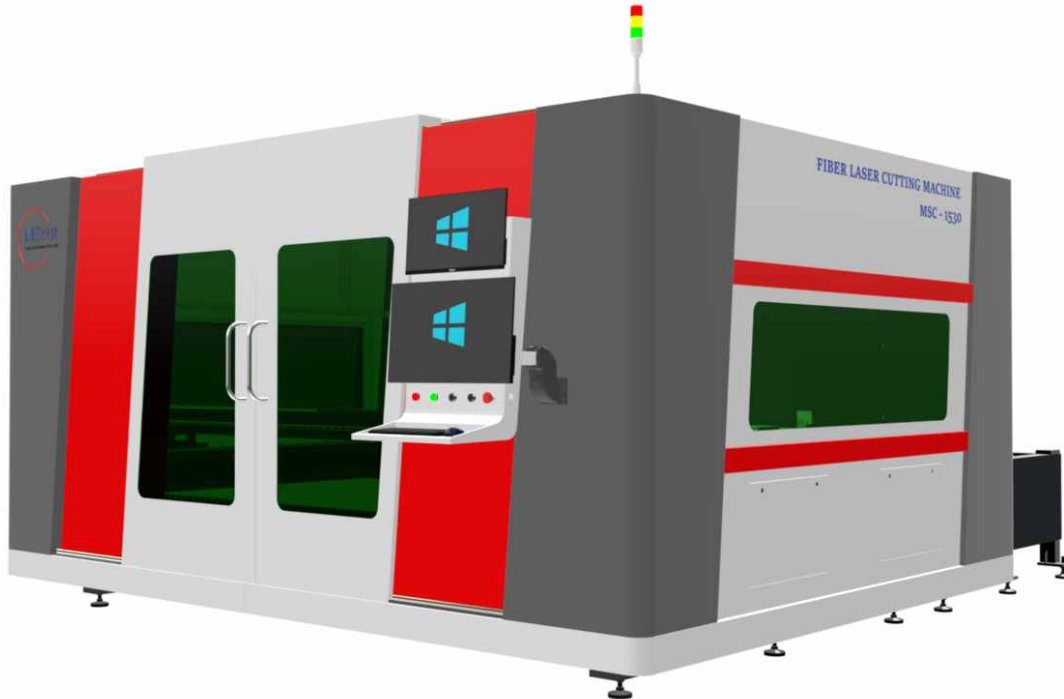
Product Parameters

| Model | MS-E1530 | MS-E2040 | MS-E2065 | MS-E2565 |
|------------------------|-------------|-------------|-------------|-------------|
| Working Area | 1550x3050mm | 2050x4050mm | 2050x6550mm | 2550x6550mm |
| Pallet Exchange Time | 25S | 35s | 40s | 50s |
| Max Linkage Speed | 120m/min | 120m/min | 120m/min | 120m/min |
| Max Acceleration | 1.0G | 1.0G | 1.0G | 1.0G |
| Positional Accuracy | ±0.03mm | ±0.03mm | ±0.03mm | ±0.03mm |
| Re-positional Accuracy | ±0.02mm | ±0.02mm | ±0.02mm | ±0.02mm |

Sample Photo



Ultra-high-power Laser Cutting Machine 3000W-20000W

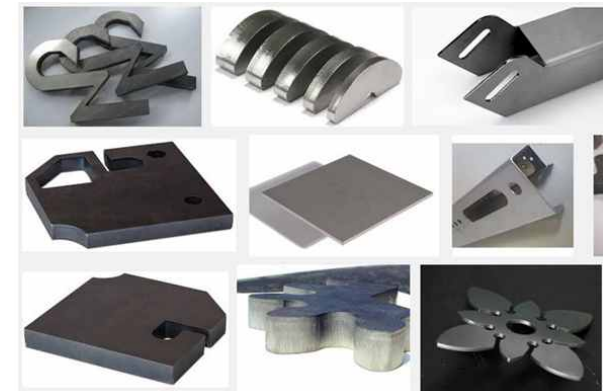


- ◆ Solid Design Machine Bed
- ◆ Partition Dust Removal System
- ◆ High Power Laser Head
- ◆ Exchanging Platform
- ◆ Extruded Aviation Aluminum Beam
- ◆ Autofocus Laser Head, Active Collision Prevention
- ◆ Intelligent CNC System
- ◆ EtherCAT Protocol

Product Parameters

| Model | MU-E3015Pro | MU-E4020Pro |
|------------------------|-------------|-------------|
| Working Area | 1520X3050mm | 2020x4050mm |
| Pallet Exchange Time | 11s | 18s |
| Max Linkage Speed | 140m/min | 140m/min |
| Max Acceleration | 1.5G | 1.5G |
| Positional Accuracy | ±0.03mm | ±0.03mm |
| Re-positional Accuracy | ±0.02mm | ±0.02mm |

Sample Photo



Closed Exchange Table Fiber Laser Cutting Machine 3000W-20000W



- ◆ Exchanging Platform
- ◆ Extruded Aviation Aluminum Beam
- ◆ Autofocus Laser Head, Active Collision Prevention
- ◆ Intelligent CNC System
- ◆ EtherCAT Protocol

Product Parameters

| Model | MT-E1530 | MT-E2040 | MS-E2065 | MS-E2565 |
|------------------------|-------------|-------------|-------------|-------------|
| Working Area | 1550x3050mm | 2050x4050mm | 2050x6550mm | 2550x6550mm |
| Pallet Exchange Time | 25S | 35s | 40s | 45s |
| Max Linkage Speed | 140m/min | 140m/min | 140m/min | 140m/min |
| Max Acceleration | 1.5G | 1.5G | 1.5G | 1.5G |
| Positional Accuracy | ±0.03mm | ±0.03mm | ±0.03mm | ±0.03mm |
| Re-positional Accuracy | ±0.02mm | ±0.02mm | ±0.02mm | ±0.02mm |

Sample Photo



High Speed Tube Fiber Laser Cutting Machine 1000W-12000W



- ◆ Intelligent Pneumatic Chucks
- ◆ Strong Machine Bed
- ◆ Cut Multi Types of Tubes
- ◆ Automatic Support Installation
- ◆ Intelligent CNC System

Rotary Specifications Front Chuck

| Items | Specification |
|--------------------|---|
| Model | DR-F220 |
| Spindle Bore | φ225 mm |
| Inertia | 50000 kg*cm ² |
| Repeatability | ≤0.05 mm |
| Rotary Precision | ≤0.05 mm |
| Processing range | 15-220 mm |
| Rated Speed | 150 rpm |
| Pipe Section Shape | Square, Round, Rectangle, Angle, L shape and I-beam |

Strong Machine Bed

It is welded by thick steel plate, the current mainstream bed structure, high stability; High temperature annealing treatment, less heat absorption, deformation prevention.

Automatic Support Installation

It employs intelligent tube support design which can solve the deformation problems in the process of long tube cutting.



Front Chuck

Product Parameters

| Model | MT-T160 | MT-T220 | MT-T230 | MT-T350 |
|--|--|--|--|--|
| Pipe Section Shape | Round/Square Tube/Rectangular/ ANGLE/I BEAM | Round/Square Tube/Rectangular/ ANGLE/I BEAM | Round/Square Tube/Rectangular/ ANGLE/I BEAM | Round/Square Tube/Rectangular/ ANGLE/I BEAM |
| Tube Size Range | Round : $\Phi 16$ – $\Phi 155$ mm Square : $\square 16$ – $\square 155$ mm Rectangular : Long Side ≤ 155 mm | Round : $\Phi 20$ – $\Phi 220$ mm Square : $\square 20$ – $\square 220$ mm Rectangular : Long Side ≤ 220 mm | Round : $\Phi 20$ – $\Phi 220$ mm Square : $\square 20$ – $\square 220$ mm Rectangular : Circumcircle $\Phi \leq 220$ mm | Round : $\Phi 20$ – $\Phi 345$ mm Square : $\square 20$ – $\square 240$ mm Rectangular : Circumcircle $\Phi \leq 345$ mm |
| Maximum Length of Pipe | 6.3m | 6.3m | 6.5m/9.2m | 6.5m/9.2m |
| Maximum Weight of Pipe | 100Kg 16Kg/m | 200Kg 30Kg/m | 200Kg 30Kg/m | 500Kg 83Kg/m |
| Maximum Blanking Length | 2m | 2m | 2m | 2m |
| Shortest Remnant | 150mm | 150mm | 200mm | 200mm |
| Positional Accuracy | ± 0.03 mm | ± 0.03 mm | ± 0.03 mm | ± 0.03 mm |
| Re-positional Accuracy | ± 0.02 mm | ± 0.02 mm | ± 0.02 mm | ± 0.02 mm |
| Chuck Max Speed | 80r/min | 80r/min | 120r/min | 120r/min |
| Max Speed of Chuck Feed Axis | 90m/min | 90m/min | 120r/min | 120r/min |
| Max Speed of Laser Head Axis | 90m/min | 90m/min | 90m/min | 90m/min |
| Max Accelerated Speed of Chuck Feed Axis | 1G | 1G | 1G | 1G |
| Max Accelerated Speed of Laser Head Axis | 1G | 1G | 1G | 1G |
| Max Accelerated Speed of Z Axis | 60m/min | 60m/min | 60m/min | 60m/min |

Intelligent CNC System //

Specially developed for tube processing. It supports high-precision and high-efficiency cutting of square tubes, round tubes, H shaped-Beam racetrack-shaped and elliptical tubes, as well as angle steel and channel steel.

Cut Multi Types of Tubes //

Not only cut conventional tubes like round, square and rectangular tubes, and profiles like channel, angle and H-shaped steels, also cut special-shaped tubes easily like triangular, concave, Land C-shaped tubes, etc.



Rear Chuck

Single Table Tube & Plate Fiber Laser Cutting Machine 1000W-12000W

ST SERIES



One Machine with Two Functions

ST series can cut both tube and plate metals, combining a tube laser cutting machine and plate laser cutting machine. Save purchasing costs. One machine with multi-function Save working space.

Double Pneumatic Chucks

2~3 times faster than traditional electric chucks
2 rows of rollers are adopted for a wide range of clamping and high cutting precision. Dual support frame for 6m tube $\Phi 20-220\text{mm}$
 $\square 20-150\text{mm}$ Diagonal: 20-150mm Channel & angle steel available.

- ◆ One Machine with Two Functions
- ◆ Intelligent CNC System
- ◆ Double Pneumatic Chucks
- ◆ Open Structure, Convenient Loading & Unloading

Rotary Specifications Rear Chuck

| Items | Specification |
|--------------------|---|
| Model | DR-R220 |
| Spindle Bore | $\phi 218\text{ mm}$ |
| Inertia | $6000\text{ kg}^*\text{cm}^2$ |
| Repeatability | $\leq 0.1\text{ mm}$ |
| Rotary Precision | $\leq 0.15\text{ mm}$ |
| Processing range | $0-228\text{ mm}$ |
| Rated Speed | 150 rpm |
| Pipe Section Shape | Square, Round, Rectangle, Angle, L shape and I-beam |



Product Parameters

| Model | MST-T160 | MST-T220 | MST-T230 | MST-T350 |
|------------------------|--|--|--|--|
| Working Area | 1550×3050mm | 2050×4050mm | 2050×6550mm | 2550×6550mm |
| Max Linkage Speed | 120m/min | 120m/min | 120m/min | 120m/min |
| Max Acceleration | 1.0G | 1.0G | 1.0G | 1.0G |
| Positional Accuracy | +0.03mm | +0.03mm | +0.03mm | +0.03mm |
| Re-positional Accuracy | +0.02mm | +0.02mm | +0.02mm | +0.02mm |
| Pipe Section Shape | Round/Square Tube/Rectangular | Round/Square Tube/Rectangular | Round/Square Tube/Rectangular | Round/Square Tube/Rectangular/ |
| Tube Size Range | T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm | T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm | T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm | T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm |

Intelligent CNC System //

It support multiple graphic files include DXF, PLT,DWG, AI, G-code, IGS (tube cutting). It is compatible with other nesting software also. Support multi-brand nesting software One-key switch between tube cutting & plate cutting Multi language support Auxiliary gas low pressure & cutting error alarm Safety warning light.

Open Structure, Convenient Loading & Unloading //

Saving Space Tube cutting and plate cutting combined in one machine. Not only help user save purchasing cost 30%~50%, but also save 50% working space.

Handheld Fiber Laser Welding Machine 1000W-3000W

MACHINE FEATURES

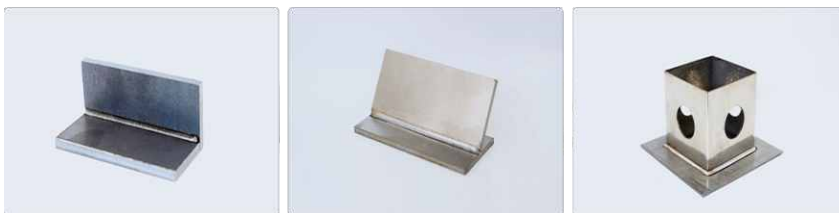
- ◆ 3 in 1 Function (Welding Cleaning & Cutting)
- ◆ Double Wire Feeder
- ◆ Wobbling head
- ◆ Fiber laser source
- ◆ Auto pulse adjustments
- ◆ Pulse & CW options

SPECIFICATION

| | |
|----------------------------------|--|
| Power | 1kw/1.5kw/2kw |
| Laser Type | Fiber Laser |
| Max Output Energy | 1kw/1.5kw/2kw |
| Max Output Energy | 1080nm |
| Modulation Frequency | 1-20 khz |
| Red Light Indicates Output Power | 0.5-1 |
| Fiber Cable Length | 10m |
| Fiber Core Diameter | 50um |
| Total Power Consumption | 7.5kw(1kw laser source) 8.5kw(1.5kw laser source) 10kw(2kw laser source) |
| Rated Power | 220 V AC 50Hz(1kw/1.5kw) 380 V AC 50Hz(2kw) |
| Cooling Method | Water Cooling |
| Gross Weight | 270 kg |
| Machine Dimension (L*W*H) | 625*1090*1746 mm |



SAMPLE PHOTOS



Handheld Laser Cleaning Machine 1000W-2000W



Product Parameters

| Model | Msclean |
|-----------------|----------------------------|
| Working Area | 300 mm |
| Power range | 1500W-2000W |
| Cooling method | Water-cooled |
| Working mode | Continuous/modulated |
| Functional uses | Cleaning |
| Fiber length | Standard 10 m fiber length |



Cleaning Samples



Handheld Cleaning Head

It has a lightweight and ergonomic design that can meet various cleaning needs. It features metal safety sensors and automatic light locking during movement, ensuring safe and easy operation.

Robotic Laser Solutions - Cutting And Welding 1000W-6000W



- ◆ 3D Multi-axis Intelligent
- ◆ Laser Cutting Equipment
- ◆ Single Robot Arm Structure, 360° Cutting, No Dead Angle
- ◆ Convenient Windows-based Operation System
- ◆ Easy Processing of Arbitrary Curves and Specific Curves in 3D Space
- ◆ The Industrial Robots and Laser Technology Combination

Product Parameters

| Machine Model | MT-R1800 |
|------------------------------------|-------------------|
| Laser power | 1000W-6000W |
| Dimensions | 1400*1600*1800 MM |
| Working area 1800mm | 1800mm |
| Repeat positioning accuracy±0.05mm | ±0.05mm |
| Max speed | 30m/min |
| Max acceleration | 0.2G |
| Voltage and frequency | 380V 50Hz/60HZ |

3D Multi-axis Intelligent Laser Cutting Equipment

The equipment consists of a fiber laser cutting head, a high-precision capacitive tracking system, and a fiber laser with industrial robot system composition Multi-angle and multi-directional flexible cutting of metal sheets of different thicknesses, which are mostly used in metal processing, machinery manufacturing and auto parts manufacturing, etc., which have processing requirements for 3D workpieces.



| | | | |
|--|--------|--------------------------|------------------|
| The Number Of Axis Of The Robot | 6 | Sixth Axis load | 25Kg |
| Robotic Crane | 1.45m | Repeated position | 0.05mm |
| Weight | 380Kg | Voltage | 200-600V,50/60Hz |
| Power Consumption | 0.58Kw | rated power | 4KVA/7.8KV |

Yaskawa AR1730 Robot gantry cutting and Welding machine technical parameters

The overall parameters of the equipment

| | | | |
|-----------------------------------|---|--------------------|-----------------------------------|
| Floor space(m) | 5*3 M | | |
| Worktable height | 4000mm | Noise | <65 Db(not including exhaust fan) |
| Power supply requirements | AC480V±5% 50HZ | Total power | 10 KW |
| Environmental requirements | Temperature range: 10-35 C Humidity range: 40-85% 1000 meters below sea evel, the use of the environment without flammable, explosive, strong magnetic, strong earthquake | | |

The main parameters of the laser source

| | | | |
|--------------------|-------------------------|-------------------------|-----------------------------|
| Laser type | Fiber laser | | |
| Lasers work | Continuous / modulation | Laser power | (1000w 2000 w 3000w option) |
| Spot mode | Single mode | Laser wavelength | 1070nm |

Auxiliary system

| | | | |
|------------------------------------|---|--|--|
| Cooling system | Dual-temperature dual-pump pump with purification system chiller (unique configuration) | | |
| Laser source cooling system | air conditioning (unique configuration) | | |
| Auxiliary gas system | Three gas source dual-pressure gas (unique configuration) | | |
| Laser cutting head | Capacitive follow-up focus | | |

Laser Marking Machine

10W-100W

Fiber Laser Marking Machine Is Used For Marking All Kinds Of Metal And Nonmetal, Equipped With Laser Power From 10w To 100w

MACHINE FEATURES

- ➔ Maintenance Free Laser Engine
- ➔ Motorized or Manual Z-Adjustment
- ➔ Multiple F-Theta Lens Options
- ➔ Easily Integrated Footprint

SPECIFICATION

- Laser Type Fiber
- Wavelength: 1064nm
- Power: 20W / 30W / 50W / 100W
- Marking Area:
110*110mm/150*150mm/ 200*200mm/
70*70mm/175*175mm/ 300*300mm (Optional)
- Marking Depth: 0.01~2mm
(Depend On Material)
- Marking Speed: $\leq 7000\text{mm/s}$
- Voltage: 220v/50hz/800w
- Marking Line Width : 0.01~0.1mm
- Cooling Way: Air Cooling
- Package Type: Wooden Case
- Package Size: 79*72*84cm
- Gross Weight: 90kg



APPLICATION INDUSTRY

It is used to mark Stainless Steel, Ceramics, Plastic, Glass Stone, Leather, Cloth Bamboo, Auto Accessories, Tobacco Products, Beer Bottle, Electronic Products, Etc Marking.

CO2 RF LASER MARKING MACHINE

MACHINE MODEL - MS - 30

| | | | |
|------------------|------------------------------|--------------------------|------------------------------|
| Max.laser Power | 10 W/ 30 W/ 50 W/ 100 W | Repeatability | ±0.01 mm |
| Working Area | 70mm X 70mm 100mm X 100mm | Supply Voltage | 220 VAC/ 50-60 Hz |
| Laser Wavelength | 10.6 μm | Graphic Format Supported | plt..dxf,.bmp..pcw..dxf..cdr |
| Q Frequency | 1 KHz - 80 KHz | Rotary Device | Optional |
| Linear Speed | ≤ 7000 mm/s | Cooling Mode | Air Coolingr |



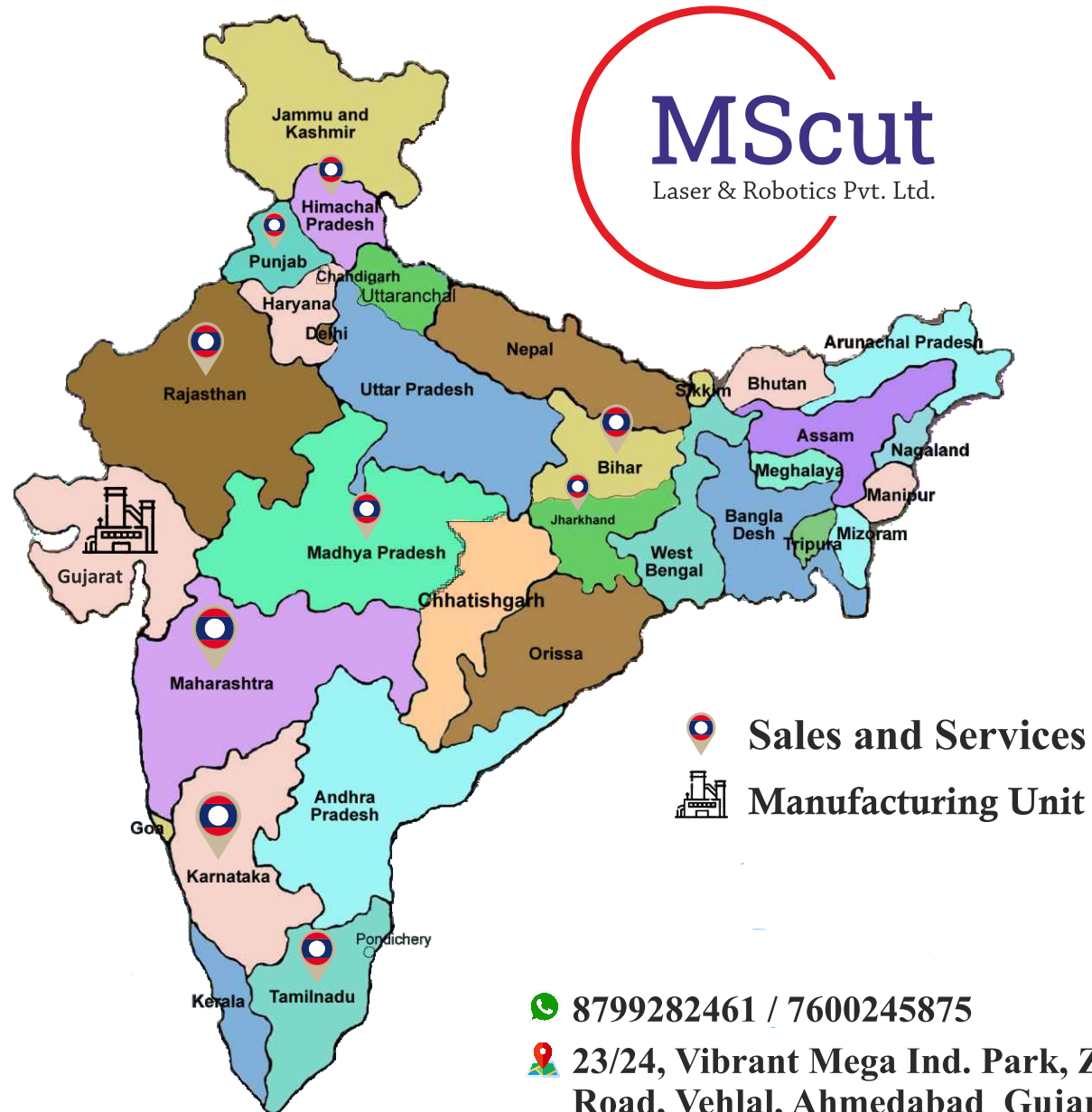
UV LASER MARKING MACHINE

MACHINE MODEL - MS - 5

| | | | |
|---------------|--------------------|-----------------------|----------------------------------|
| Average Power | >3W@40kHz>5W@60kHz | Marking Size | 110 110mm, 160 160mm optional |
| Wave Length | 355nm | Marking Speed | < =7000mm/s |
| Total Power | 500W | Cooling Method | Water-Cooling |
| Beam Quality | M2<1.2 | Operating Environment | 10C-35C no Condensation |
| Spot Diameter | 0.7+-0.1mm | Electricity Demand | 220V(110V/50Hz(60Hz) |
| Frequency | 30-200kHz | Equipment Size | 75 72 85cm(29.5*28.3*33.5in) |



ALL INDIA SERVICES AND INSTALLATION



8799282461 / 7600245875

23/24, Vibrant Mega Ind. Park, Zak To Kadadra Road, Vehlal, Ahmedabad Gujarat - 382433