

THE NEW EDGE OF LASER CUTTING



Spectrum Laser Inc.

Corporate Address

312, Galaxy Business Park, Opp. Torrent Power Station
Off. S. P. Ring Road, Nikol, Ahmedabad 380038, Gujarat, India

Ahmedabad Factory

Plot No. 1, Swaminarayan Estate, Kathwada GIDC, Singarava Road,
Ahmedabad 382024, Gujarat, INDIA.

Surat Factory

205, Gaytri Shopping Center, B/H Kiran Hospital, Opp.SRK Building,
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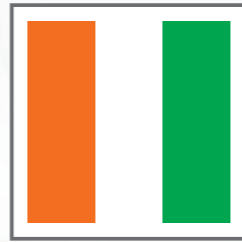
An ISO 9001: 2015 certified company



LASER

CUTTING
MARKING
WELDING

PRODUCT CATALOG



SPECTRUM
LASER INC.

We, "SPECTRUM" are the distinguished manufacturer and supplier of superior quality Laser Cutting Machine, Laser Marking Machine, Laser Welding Machine, Solar Cell Laser Scribing Machine & many more. The offered machines are manufactured by making use of supreme grade components with the help of ultra-modern machines in compliance with set industry norms. Moreover, these machines are checked for their quality on series of quality parameters by our quality controllers assuring their flawlessness at user's end. Our offered machines are widely demanded for cutting, welding, engraving and other such purposes in different metal fabrication industries. We also provide installation, commissioning, maintenance and replacement Services of these machines to our clients in most nominal prices. Our offered machines are widely appreciated by our clients for their enormous features such as sturdy construction, hassle free performance, easy to install, long functional life, noise less operation, low power consumption and durability.

**Proposed Factory
Year 2025**



Milestones

2002-2004

Begain with Laser Machine Part Supplier

2005-2009

Laser Marking Machine Processing

2010-2011

The Success Story of Customised Laser Welding Machine

2012-2013

Developed Cutomised Laser Marking Machine

2014-2015

Established Branches in Surat, Noida, Hydrabad

2016-2017

Tapping in to Laser Cutting Machine Manufacturing

2018-Today

Established Branches in Kenya, Canada, Australia, UAE, Bangladesh



2002

The Journey Began

12+

Countries and counting

28

Cities Domestic Sales and Service Network

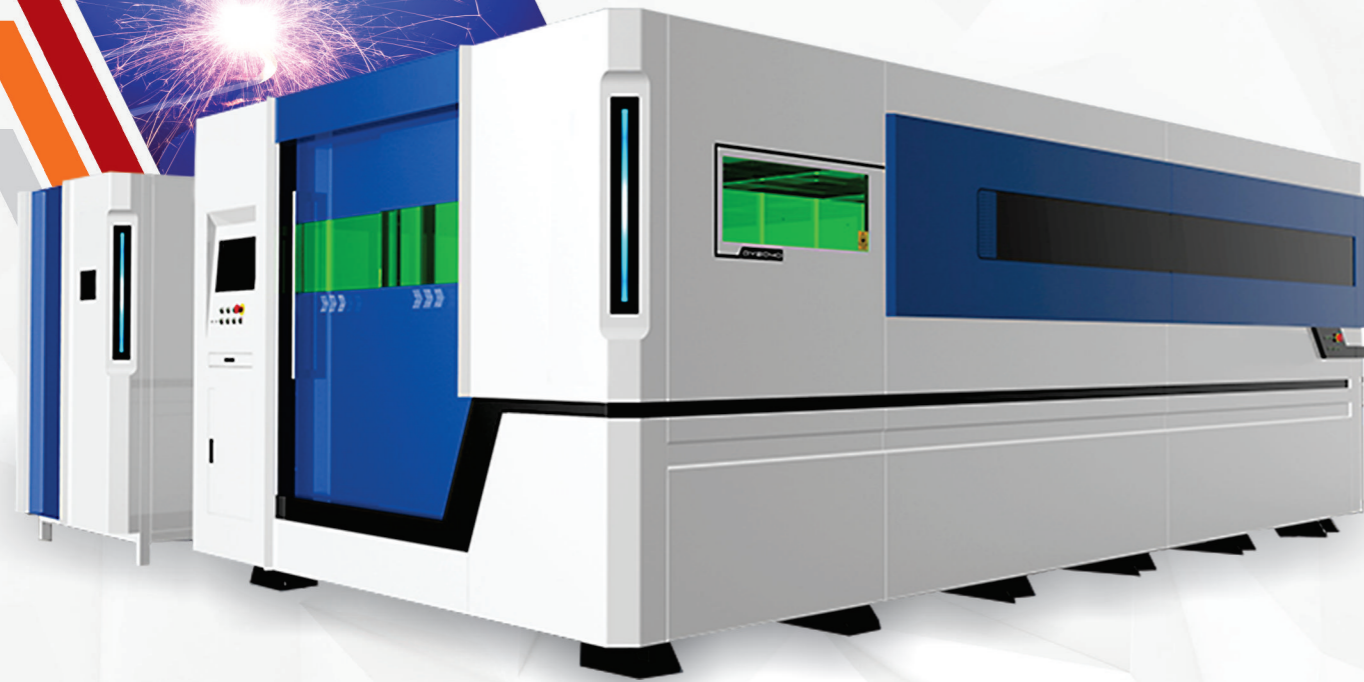
Vision

We believe that we are on the face of the earth to make great products and that's not changing. We are constantly focusing on innovating. We believe in the simple not the complex. We believe that we need to own and control the primary technologies behind the products that we make, and participate only in markets where we can make a significant contribution. We believe in saying no to thousands of projects, so that we can really focus on the few that are truly important and meaningful to us. We believe in deep collaboration and cross pollination of our groups, which allow us to innovate in a way that others cannot. And frankly, we don't settle for anything less than excellence in every group in the company, and we have the self-honesty to admit when we're wrong and the courage to change. And I think regardless of who is in what job those values are so embedded in this company that Spectrum will do extremely well.

Team

We are backed by a skilled team of professionals who remain the both brain and backbone of our organization. By working in close association with each other, our professionals efficiently meet the specific requirements of our valuable clients in schedules time-frame. We have appointed these professionals after an organized analysis of their talent and quality learning skill in their respective domains. We have segregated our professionals into various departments to ensure smooth and streamlined business operations.

Product Range



HAWK SMM SMART CUT DUO SERIES High Speed Fiber Laser Cutting Machine

Specification

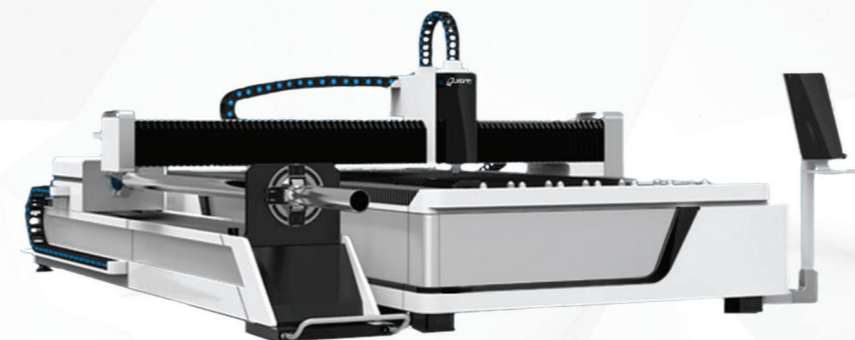
SPECIFICATION		Unit	Working Range 2D	Tube	
Max. Working Range	X Axis	mm	1515 mm	2200 mm	
	Y Axis	mm	3015 mm	3100 mm	
	Z Axis	mm	240 mm	240 mm	
Max. Workpiece Weight		Kgs	950	750	
Max. Rapid	Simultaneous	m/min	100	100	
Positioning Precision		mm	+/-0.05	+/-0.05	
Repeatability		mm	+/-0.02	+/-0.02	
Max. Acceleration		m/s ²	20	20	
Tube Cutting				3mtr	6mtr
Maximum Pipe Size	Round	mm	35 to 180		
	Square	mm	35 to 150		
	Rectangular	mm	35 to 150		
Maximum Job Weight		Kgs	70	140	
Maximum Pipe Cutting Length		mm	2500	5500	
4 Jaw Chuck Dia.(Feeding Chuck)	Size	mm	200		
	Operation	---	Manual/Auto		
Dual Pallet		Optional			



Thickness & Power Consumption

POWER	500 W	700 W	1kW	1.5 kW	2 kW
Power Consumption***	10 kW	10 kW	12 kW	12 kW	17 kW
MS	5(3/16")	8(5/16")	10(3/8")	12(1/2")	16(5/8")
SS (02)	5(3/16")	6(1/4")	6(1/4")	8(5/16")	10(3/18")
SS (N2)	2(1/16")	3(1/18")	4(5/32")	5(3/16")	6(1/4")*
BRASS	NA	NA	0.8**	3(1/8")	5(3/16")
Al	NA	NA	0.5**	3(1/8")	5(3/16")
Cu	NA	NA	NA	1.5(1/16")	2.5(3/32")

* The quality of the cut depends upon the attributes of metal, its surface properties and the conditions in which the cutting operation is done. Metals with high thickness tend to have striation at the lower edges.
 ** Not advisable to process.
 *** The power consumption indicated in the table is been measured on the machine's peak performance. It includes the connected load of laser source, controller, fume extractor and chiller.



Optional Accessories

- 90° Sheet Aligner
- Automated Multiple Sheet Cutting Cycle
- Head Crash Protection
- Retracting Function
- Auto Lubrication
- .dxf, .dwg, .cdr Compatible
- Direct Drawing Reading
- Online Live Simulation
- Tube Cutting



Process at Glance

Jewellery
Hallmarking,
Product
Identification
Branding, Designing
Personalization
Inventory coding etc.



Engineering
Electrical Meters
Flow meters
Identification Plates
Panels
Solar Cells



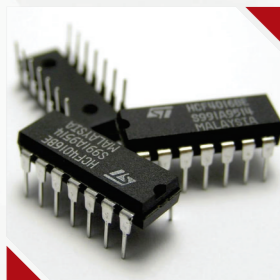
Automotive
Bearing, Backlit Buttons
Brakes Components
Crankshaft, Camshaft,
Engine ID, Plates, Filters,
Gears, Fuses and Fuse Box
Covers, Gaskets,
Injector Nozzles, Piston
Piston Rings, Spark Plugs
Switches etc.



Tools & Tooling
Cutting Tools
Carbide Tools
Housing
Dial & Guages, Drill Bits,
Hammers , Jigs & Fixtures
Measurement Instruments
Pliers, Punches, Saw Blades
Socket, Screw Driver
Wrench, etc.



Electronics
Battery, Capacitors
Chargers
Computer Key Pads
Connectors
Electric Motors
Fuses, IC, MCB, PCB
Switches etc.



Medical
Catheter
Orthopaedic Implants
Pace makers, Joints, Pump
Surgical Instruments
Valve etc.



Commercial / Consumer
Animal/Livestock
Identification Tags
Cutlery, Camera,
Fashion Accessories,
Gift Ware, Identity Cards
Light Fixtures, Luxury Goods,
Metal Coated, Glass,
Mobile Key Pads, Pendants,
Seals, Sanitary Ware
Spots Goods, Watches etc.



Aerospace & Defense
Engine Components
Turbine Blades
Firearms
Rifles
Weapon
UDI Marking etc.



Our Valuable Clients

