



INDUSTRIAL LASERS

The Company

UGAM BEAM SCIENCE PVT. LTD. is a pioneer company in India to provide laser services to wide range of medical, industries and individual consumers with a strong commitment to customer service.

UGAM BEAM SCIENCE PVT. LTD. was formed by industry professionals in **2002** with goal to provide high quality photonics components at affordable prices for Laser and other OEM industries. Our company has consistently grown each year with time and experience and now well positioned to serve the photonics industry in the new millennium.

UGAM BEAM SCIENCE PVT. LTD. provides spares and accessories for almost all kind of Laser Systems.

UGAM BEAM SCIENCE PVT. LTD. is dealing in complete range of laser engraving, marking and cutting systems. We have a complete range of laser system such as Fiber, Diode pumped and Lamp pumped Nd:YAG Laser Marking, Scribing & Cutting systems, CO2 Laser engraving system, CO2 Laser marking system and CO2 laser cutting Systems etc.

The focus of all our effort is better customer service, Which we always strive to achieve. We are committed to providing our customer with fast, courteous and personal attention on all request for quotes. In today's rapidly changing market place, We realize the importance of establishing solid customer vendor relationship as key ingredient to the success of any business over a lengthy period of time.



LASER MARKING APPLICATIONS



Aerospace & Defense
 Engine components,
 Turbine Blades,
 Firearms,
 Rifles,
 Weapon,
 UID marking etc.



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



Engineering
 Electrical Meters,
 Flow Meters,
 Identification Plates,
 Panels,
 Solar Cells.



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,
 Sports Goods, Watches, etc.



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



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



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



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

Laser Marking Process

- Surface Annealing
- Surface Etching
- Engraving and Deep Engraving
- Surface Ablation
- Colour Marking
- Plastics Marking (Additives)

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ECO

FIBER LASER MARKING

Scan it to message us



Mobile
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ECO

FIBER LASER MARKING Q Switch Fiber Laser

Fiber Laser Marking System

Features

- Advance Fiber Laser
- Up to 62.5 KHz pulse repetition frequency
- First and last pulse equally useable
- High speed marking compatible
- Bitmap marking compatible
- Fixed pulse width
- Maximized peak power over full operational repetition rate
- Anti reflection protection
- High reliability/repeatability/stability design
- 100,000hrs MTTF tested diode lifetime
- Maintenance-free operation
- Automatic pump diode timing control
- Status monitoring and safe shut down



Laser Parameters

Laser Power	20W /30W / 50W		
Nominal peak power	1.0 mJ		
Modes of operation	Pulsed		
Laser type	Fiber Laser		
Wave length	1065 ± 5nm		
Beam mode	TEM oo		
Pulse Repetition Rate	27.7 -62.5 KHz (Options Available)		
Pulse Width	110 ns		

Marking Size

Focal length	115±2	160±2	250±2
Marking Area	80×80 mm	110×110 mm	175 x 175 mm
Spot ø	25 µm	35 µm	50 µm
Resolution	1.000 dpi	725 dpi	500 dpi

1. Assembly set up possible in horizontal or vertical direction
2. Scanning speed up to 12000mm/s
3. Resolution and Spot ø are approx in nature.
4. For special requirements , please contact us for other options.

Interface

PC interfaces	USB
Laser control interface	Provided
Operating voltage	100 - 240 VAC / 50-60 Hz
Power consumption	500 Watts
Operating temperature	5°C - 45°C
Humidity	5-95% RH (non condensing)

Barcode Printing Options

Linear barcodes	Yes
2D barcodes (Data Matrix etc)	Yes

Additional

Z Axis: (500mm)	Manual (Standard) Motorized (Optional)
Target Light	Yes

Computer

Dual Core /Core 2 Duo	
Memory	4 GB RAM
Interface	USB interface
Operating system	Window 10
CD ROM	Optional

Software Features

Characters formats	All true type fonts installed under Windows, filled or as Outline
Font direction	Any alignment and font direction, Circular arc marking.
Font width	Stretching and compressing possible

Graphics

Graphic elements	Line, circle, rectangle, polygon, all surface elements filled or unfilled
Graphics formats	PLT, DXF, BMP, JPG, TIF

Dimensions

Dimensions (H x W x D)	1403X 661 X 750
Weight	78kg
	Open Cabinet

Advantage

Technology	Q Switch / MOPA
Life	100000 Hrs
Warranty	2 Years

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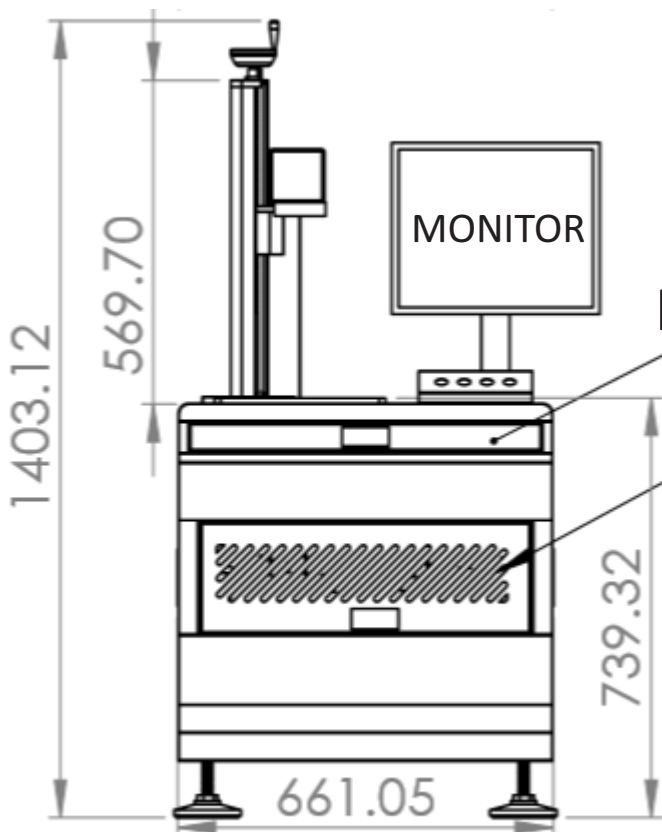
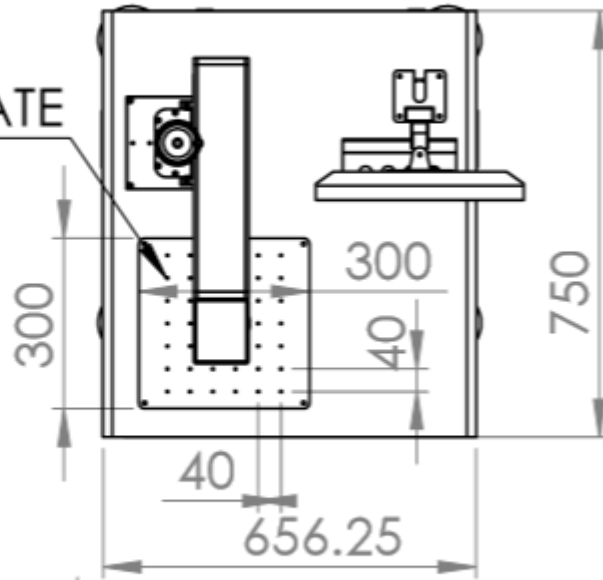
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FIBER LASER MARKING

TOP VIEW

WORKING PLATE

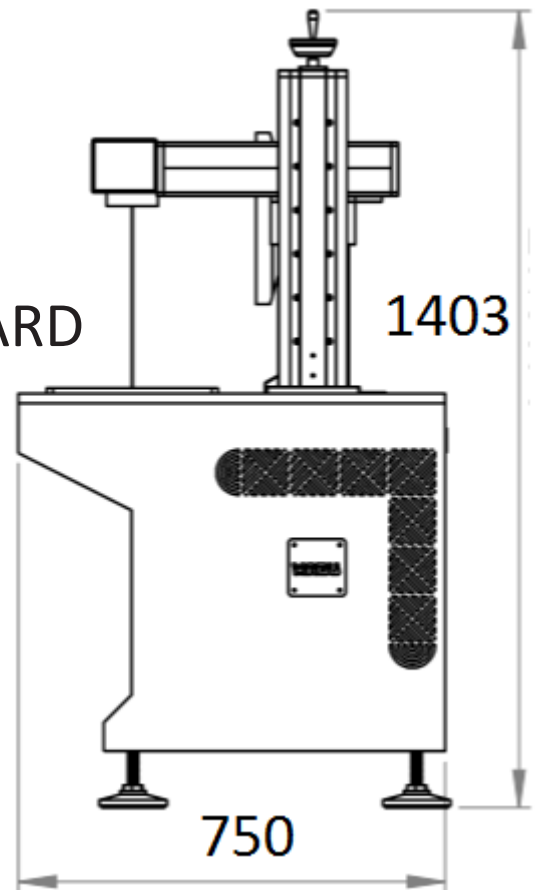


FRONT VIEW

MONITOR

KEYBOARD

CPU



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RAPID

FIBER LASER MARKING



BUILT-IN-AC

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RAPID

FIBER LASER MARKING

Built-in Panel cooler

Fiber Laser Marking System

Features

- Advance Fiber Laser
- Up to **80** KHz pulse repetition frequency
- First and last pulse equally useable
- High speed marking compatible
- Bitmap marking compatible
- Fixed pulse width
- Maximized peak power over full operational repetition rate
- Anti reflection protection
- High reliability/repeatability/stability design
- 100,000hrs MTTF tested diode lifetime
- Maintenance-free operation
- Automatic pump diode timing control
- Status monitoring and safe shut down



Laser Parameters

Laser Power	20W /30W / 50W/100W
Nominal peak power	1.0 mJ
Modes of operation	Pulsed
Laser type	Fiber Laser
Wave length	1065 ± 5nm
Beam mode	TEM oo
Pulse Repetition Rate	20 -80 KHz
Pulse Width	130 ns

Marking Size

Focal length	115±2	160±2	250±2
Marking Area	80×80 mm	110×110 mm	175 x 175 mm
Spot ø	25 µm	35 µm	50 µm
Λ= Resolution	1.000 dpi	725 dpi	500 dpi

1. Assembly set up possible in horizontal or vertical direction
2. Scanning speed up to 12000mm/s
3. Resolution and Spot ø are approx in nature.
4. For special requirements , please contact us for other options.

Interface

PC interfaces	USB
Laser control interface	Provided
Operating voltage	100 - 240 VAC / 50-60 Hz
Power consumption	500 Watts
Operating temperature	5°C - 45°C
Humidity	5-95% RH (non condensing)

Barcode Printing Options

Linear barcodes	Yes
2D barcodes (Data Matrix etc)	Yes

Additional

Z Axis: (500mm)	Manual (Standard) Motorized (Optional)
Target Light	Yes

Computer

Dual Core /Core 2 Duo	
Memory	2 GB RAM
Interface	USB interface
Operating system	Window 10
CD ROM	Optional

Software Features

Characters formats	All true type fonts installed under Windows, filled or as Outline
Font direction	Any alignment and font direction, Circular arc marking.
Font width	Stretching and compressing possible

Graphics

Graphic elements	Line, circle, rectangle, polygon, all surface elements filled or unfilled
Graphics formats	PLT, DXF, BMP, JPG, TIF

Dimensions

Dimensions (H x W x D)	1510X 660 X 810
Weight	110kg

Open Cabinet

Advantage

Technology	Q Switch / MOPA
Life	100000 Hrs
Warranty	2 Years

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RAPID-*i*

FIBER LASER MARKING

Built-in Panel cooler



Fiber Laser Marking System

Features

- Advance Fiber Laser
- Up to **200** KHz pulse repetition frequency
- First and last pulse equally useable
- High speed marking compatible
- Bitmap marking compatible
- Fixed pulse width
- Maximized peak power over full operational repetition rate
- Anti reflection protection
- High reliability/repeatability/stability design
- 100,000hrs MTTF tested diode lifetime
- Maintenance-free operation
- Automatic pump diode timing control
- Status monitoring and safe shut down



Powered by: German Laser Source

Laser Parameters	
Laser Power	20W /30W / 50W/100W
Nominal peak power	1.0 mJ
Modes of operation	Pulsed
Laser type	Fiber Laser
Wave length	1065 ± 5nm
Beam mode	TEM 00
Pulse Repetition Rate	2 -200 KHz
Pulse Width	100 ns
Marking Size	
Focal length	115±2 160±2 250±2
Marking Area	80×80 mm 110×110 mm 175 x 175 mm
Spot ø	25 µm 35 µm 50 µm
Λ= Resolution	1.000 dpi 725 dpi 500 dpi
* 1. Assembly set up possible in horizontal or vertical direction	
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Interface	
PC interfaces	USB
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Barcode Printing Options	
Linear barcodes	Yes
2D barcodes (Data Matrix etc)	Yes
Additional	
Z Axis: (500mm)	Manual (Standard) Motorized (Optional)
Target Light	Yes
Computer	
Dual Core /Core 2 Duo	
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Software Features	
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Graphics	
Graphic elements	Line, circle, rectangle, polygon, all surface elements filled or unfilled
Graphics formats	PLT, DXF, BMP, JPG, TIF
Dimensions	
Dimensions (H x W x D)	1510X 660 X 810
Weight	110kg
	Open Cabinet
Advantage	
Technology	Q Switch / MOPA
Life	100000 Hrs
Warranty	2 Years

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Common Parameters

Scan Head*

Focal length	115±2	160±2	250±2
Marking Area	80×80 mm	110×110 mm	175 x 175 mm
Spot ø	25 µm	35 µm	50 µm
^= Resolution	1.000 dpi	725 dpi	500 dpi

Hardware Requirements

Pentium IV PC	500 MHz pulse frequency min.
Memory	256 MB RAM, 500 MB free hard drive
Interface	USB interface
Operating system	Operating systems Windows XP
CD ROM	CD-ROM drive

Laser Marking Software Features Utmost User Friendly

Characters formats	All true type fonts installed under Windows, filled or as Outline
Font direction	Any alignment and font direction, Circular arc marking.
Font width	Stretching and compressing possible

Graphics

Graphic elements	Line, circle, rectangle, polygon, all surface elements filled or unfilled
Graphics formats	PLT, DXF, BMP, JPG, TIF

Codes

Linear barcodes	Yes
2D barcodes (Data Matrix etc)	Yes

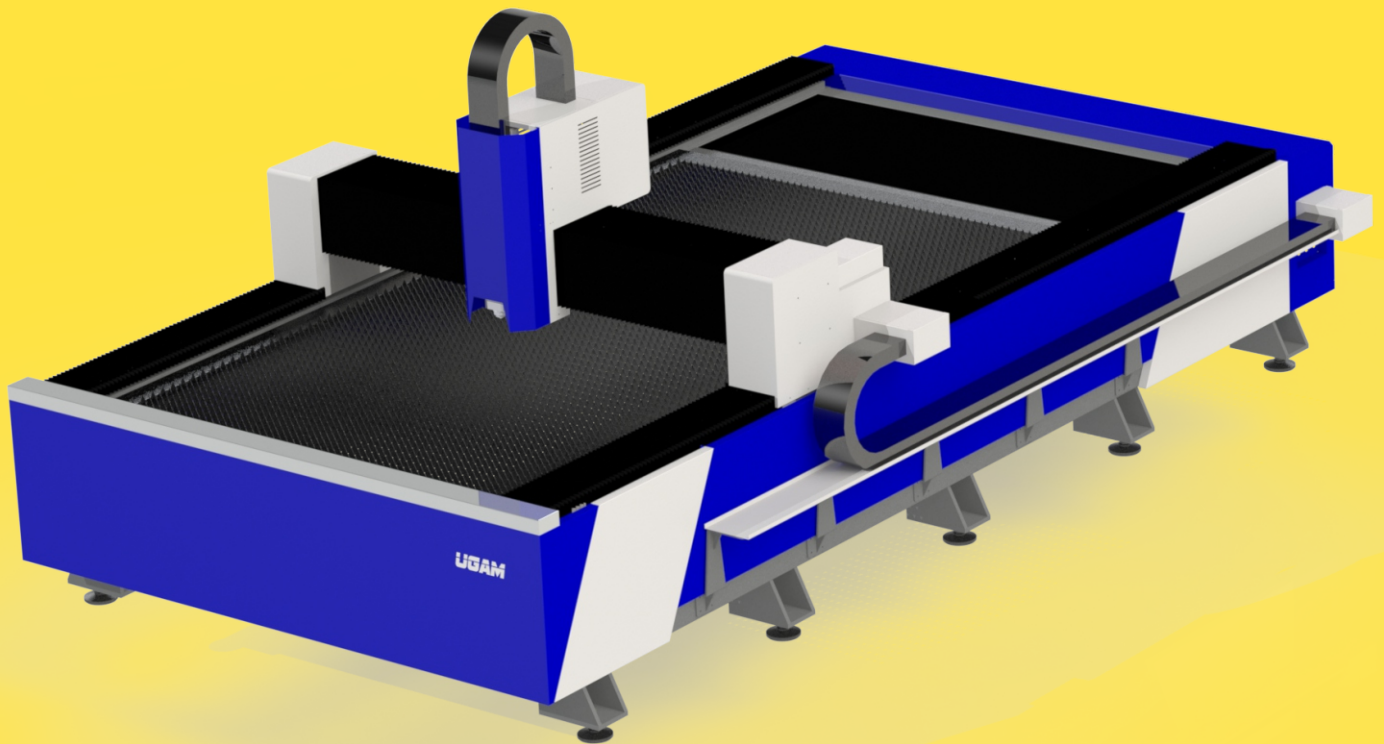
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MADE IN BHARAT
LEOPARD

FIBER LASER CUTTING
UPTO 6000W



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MADE IN BHARAT
LEOPARD

FIBER LASER CUTTING
UPTO 6000W

LASER POWER : 1000W / 1500W /2000W /3000W /6000W

WORKING AREA: 3050 X1550MM (Options Available)

LASER SOURCE: RAYCUS / MAX PHOTONICS / JPT / IPG

WAVELENGTH : 1080nm

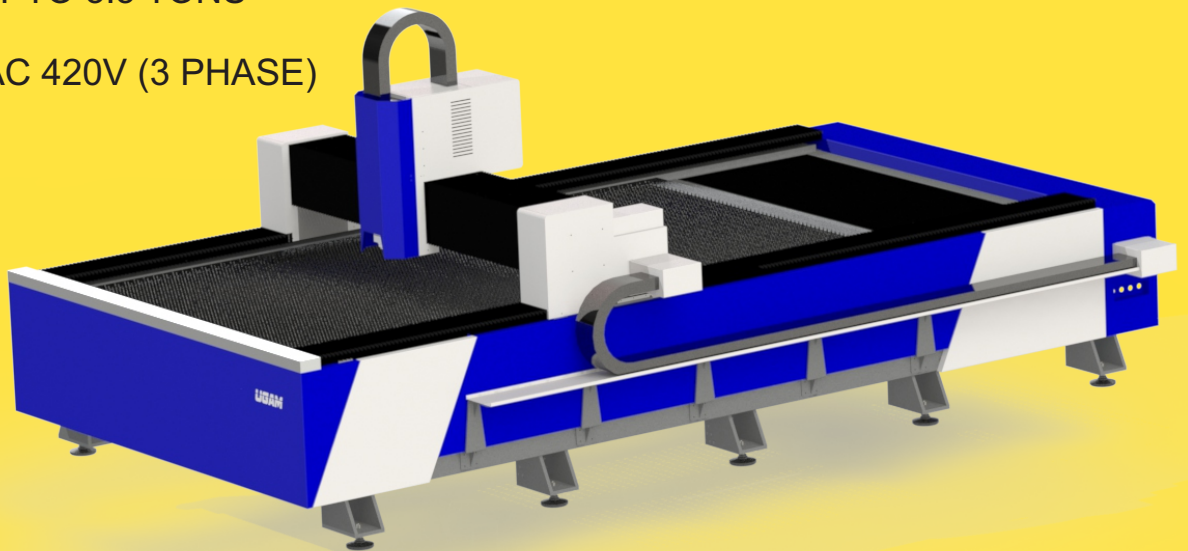
CUTTING HEAD: RAYTOOLS

DRIVES & MOTOR : PANASONIC / DELTA / YASAKAWA

CUTTING SPEED : UPTO 30M /Mtr

WEIGHT: UPTO 3.5 TONS

SUPPLY : AC 420V (3 PHASE)



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FLW3000

FIBER LASER WELDING

UPTO 3000W

LASER POWER : 1000W / 1500W /2000W /3000W /6000W

LASER SOURCE: RAYCUS / MAX PHOTONICS / JPT / IPG

HANDHELD OPERATION

WITH WIRE FEEDER

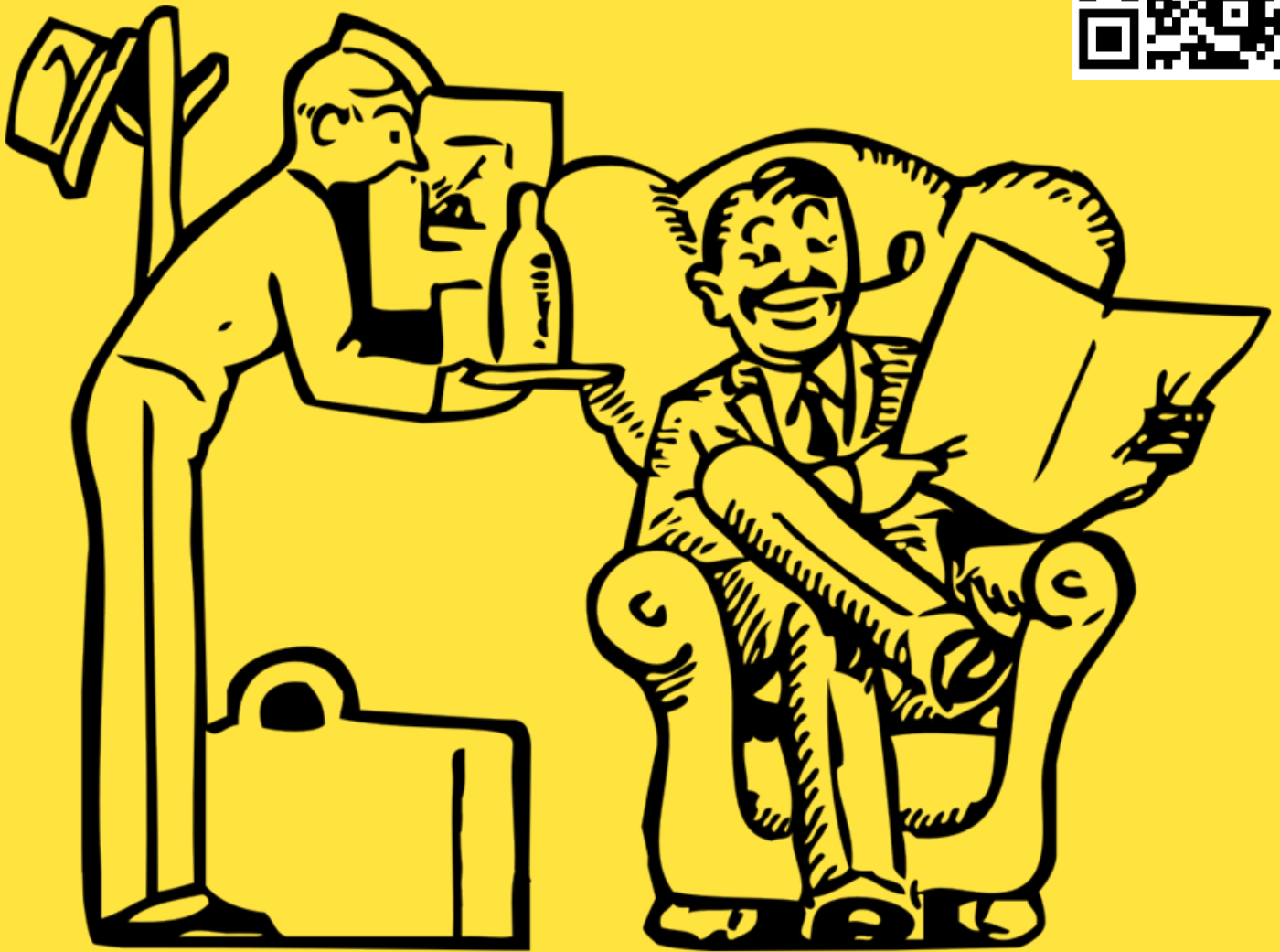
WAVELENGTH : 1080nm



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OUR FOCUS




The focus of all our effort is better customer service, Which we always strive to achieve. We are committed to providing our customer with fast, courteous and personal attention on all requests for quotes.

In today's rapidly changing marketplace, We realize the importance of establishing solid customer vendor relationships as key ingredient to the success of any business over a lengthy period.

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In House Fabrication by Heavy Sheet Metal



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Easy Transportation Facility*




* For Selected Area Only



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OUR STRENGTH




All the in-house processes help us to control quality as well as inspiring our peoples to innovate products constantly.


We are one of the few Laser integrators who have in-house Fabrications, Machining Center, Surface Treatment and Paining facility.

High Tech quality inspection equipment and Highly Skilled TEAM making us more powerful in field.

Technical background and huge experience of our management team is key factor of our success.

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BEGINNING



Started as Photonics components trader in 2002,
That time YAG Laser widely used in Diamond industry,
There was lot of consumable in YAG Technology.

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TOOL ROOM



In-House Milling, Drilling, Pipe Cutting, Surface Polishing, Painting are key factor to Maintain quality

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CUSTOMIZATION



5 AXIS LASER WELDING MACHINE

HEAVY ROTARY MARKING MACHINE



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CUSTOMIZATION





**2 AXIS
ADDITIONAL
AXIS
LASER
MARKING
MACHINE**

**2 AXIS
LASER HARDENING
MACHINE**



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CUSTOMIZATION





**VERTICAL
HEAVY ROTARY
MARKING MACHINE**

**CLASS 1
CLOSE CABINET
MARKING MACHINE**



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6MM DEEP ENGRAVING

3MM DEEP ENGRAVING



DEGREE MARKING

CIRCULAR WELDING



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FACTORY




AHMEDABAD FACTORY


47, SHIVBHUMI IND ESTATE-1
BAKROL GATARAD ROAD,
TA DASKROI, AT BAKROL
AHMEDABAD-382433

DELHI FACTORY

H-69, BAWANA IND AREA
SECTOR-4, DSIIDC, BAWANA,
DELHI-110039

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EXPO



Every year we participate in various Exhibitions in india

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MEDIA



Gujarati media and industrial magazines noticed and appreciated our progress frequently.



અમદાવાદની ઉગમ બિમ સાઇન્સ કંપનીના ટાઇટન, વિપ્રો, હીરો જેવી કંપની ગ્રાહકો છે

સાયમ્સ સિટી. સુરત

વર્ષ 2002માં જ્યારે ભારતીય હીરાઉદ્યોગમાં ટેકનોલોજી ધીમે ધીમે પગ પેસારો કરી રહી હતી ત્યારે ઘણા નાના મોટા ઉદ્યોગ સાહસિકો પાપા પગલી કરતા હતા. એમાનું એક નામ હતું ઉગમ બિમ સાઈન્સ પ્રાઈવેટ લિમિટેડ. ટેકનીકલ અસેસિરીઝ અને લેસર ઓપ્ટિક્સના એક નાનકડા સાહસથી શરુઆત કરી હતી. એ સમયે લેસર મશીનના પાર્ટ્સના ઉત્પાદનમાં અમેરિકા અને યુરોપમાં દેશોનો દબદબો હતો. સોશિયલ નેટવર્કિંગ અને ઈન્ટરનેટના આભારે આજે માર્કેટ ઓપન છે. ત્યારે આટલી પહોંચ વધારવી શક્ય નહોતી. છતાં ઉગમ એ સમયે સારો એવો માર્કેટ શેર ધરાવતું. જીજ્ઞેશ ચુંબકીયાના લાંબા વિજ્ઞાન અને સાહસિક સ્વભાવે કંપનીને



ઈન્ડસ્ટ્રીયલ લેસર મશીનોની શ્રેણીમાં પ્રવેશ અપાવ્યો. લેસર મશીનના પાર્ટ્સના ટ્રેડિંગમાંથી ઉત્પાદન તરફ આગળ વધવા ઔદ્યોગિક વાતાવરણ જરૂરી હતું. સુરત માત્ર હિરા ઉદ્યોગ અને ટેક્સટાઇલ ઉદ્યોગ માટે પ્રસિદ્ધ હતું. ઈન્ડસ્ટ્રીયલ લેસર ઉત્પાદન માટે વેન્ડર્સ મળવા પુખ્ત જ મુશ્કેલ હતા જ્યારે અમદાવાદ વિવિધ ઈન્ડસ્ટ્રીમાં ઉડો અનુભવ ધરાવતું હતું. ઈન્ટરનેશનલ એરપોર્ટ, ઔદ્યોગિક વાતાવરણ, વિવિધ ઈન્ડસ્ટ્રીમાં પહોંચ વધારવા જરૂરી પરિભળો અમદાવાદમાં સરળતાથી મળી રહે એટલે કંપનીએ ફેક્ટરીની શરુઆત અમદાવાદથી કરી.

જે તે સમયે ભારતમાં ઈન્ડસ્ટ્રીયલ લેસરનું માર્કેટ એટલું મોટું નહોતું પણ ભારત એક ઝડપથી વિકાસ પામતો દેશ છે એ જીજ્ઞેશ ચુંબકીયા સારી રીતે જાણતા હતા એટલે વેવિથકરણ પર પસંદગી ઉતારી. સમય જતાં અમદાવાદથી કંપનીએ નોંધપાત્ર પહોંચ વધારી, ભારતના પુણે પુણે ઈન્ડસ્ટ્રીયલ લેસરના સફળ ઈન્સ્ટોલેશન કર્યાં. ટાઈટન, સોનાટા, સોમાણી, વિપ્રો અને હિરો ગ્રુપ જેવા કોર્પોરેટ કસ્ટમરની ઈન્ડસ્ટ્રીયલ લેસરની જરૂરત પુરી કરી.

બજારમાં સસ્તા ચાઈનીઝ ઉત્પાદ સરળતાથી ઉપલબ્ધ હોય ત્યારે ભારતના લગભગ દરેક ઉદ્યોગને લોકલ ઉત્પાદન કરવું ઘણું મુશ્કેલ છે. પણ ઉગમ બિમ સાઈન્સ પ્રાઈવેટ લિમિટેડ એક પછી એક પ્રોસેસ ઉમેરી ઈન હાઉસ પ્રોડક્શનને જ ઉત્તમ વિકલ્પ તરીકે જોતું હતું. આજે ઈન્ડસ્ટ્રીયલ લેસરમાં પુખ્ત ગણ્યા ગાંઠ્યા લોકો જ મિકેનિકલ પાર્ટ્સનું ઈન હાઉસ પ્રોડક્શન કરે છે, ઉગમ એમાનું એક છે.

હરિકાઈ ભરેલા બજારમાં દરેક ગ્રાહક પોતે પરીદેલા ઉત્પાદ માટે નજીકમાંથી સર્વિસ મળી રહે એવી અપેક્ષા રાખે એ સ્વાભાવિક છે. ગ્રાહકોની જરૂરતને ધ્યાનમાં રાખીને કંપનીએ 2021મા દિલ્હીમાં પણ એક ફેક્ટરી ઉભી કરી ઉત્તર ભારતમાં પોતાની મજબૂત હાજરી નોંધાવી.

ભારતમાં ઈન્ડસ્ટ્રીયલ લેસર મશીન બનાવતી કંપનીઓનું એક એસોસિએશન ચાલે છે. લેસર ઈન્ડસ્ટ્રીઝ એસોસિએશન ઓફ ઈન્ડિયા, જીજ્ઞેશ ચુંબકીયા આ એસોસિએશનના સેક્રેટરી તરીકે નોંધપાત્ર ફરજ બજાવે છે અને ભારતની લેસર ઈન્ડસ્ટ્રીને વૈશ્વિક ઓળખ અપાવવા સતત પ્રયત્નશીલ રહે છે.

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