Learn the Value of your Piece

BACHAN



Best
TECHNOLOGY
Excellent
PERFORMANCE

www.bachancnc.com

From the CEO's Desk



We at **Bachan Industries Private Limited** feel really proud of our hard work and dedication, which we have done in last 12 years. Way back in 2009, we can remember that year because we had started working on plasma cutting machine without any sort of financial and moral support. But we never lose hop and continued to do the same and finally got succeeded. In that particular period, we are the only people who knows what kind of critical conditions we have faced and how we have overcame those situations. But not we are very happy to see our hard work is really pushing our whole team to achieve each and every goal.

Turning impracticalities into potentials, shaping dreams and exploring of what was formerly out of sight; Bachan Industries has marked the silver lining by accomplishing these all.

Quality, service, innovation and cost effective are the areas in which we excel. We do this through the combination of product design and development, process innovation and cost controls in our manufacturing and supply chain operations. We are committed towards industry and have our focus on customers, technology and the most important of all, the environment. The continuous optimization of operational and production process screening at Bachan Industries creates maximum cost efficiency by optimally using the resources.

Bachan Industries has always been a flag bearer in an effort to 'green' the manufacturing of plasma and laser cutting machines business in the country and strived to be an environmentally and socially responsible manufacturer that delivers value.

Last but not the least, in all humility, I would like to convey that I feel extremely product of my people, their efforts, contributions and perseverance that made the topmost state and national recognitions possible for a medium scale industry like ours.

The best ideas come from within; they are inspired from the inner self, they breathe in us until we unleash the potential we bore in ourselves.

S. Hardial Singh, CEO

Our Mission

Our Mission is to be the finest commercial quality Fiber Laser, Laser Welding CNC Plasma, CNC Milling, Lathe & Router manufacturing company in India. We understand that we cannot be successful unless our customers are successful. We are committed to enhancing our customer's success with responsiveness, quality and service that sets the industry standards. Bachan Industries understand the value of continuous improvement and commitment to our most valuable asset, our team. We will strive to be the best in every aspect of our business by utilizing our core competencies, fostering a culture of trust, teamwork and responsibility.

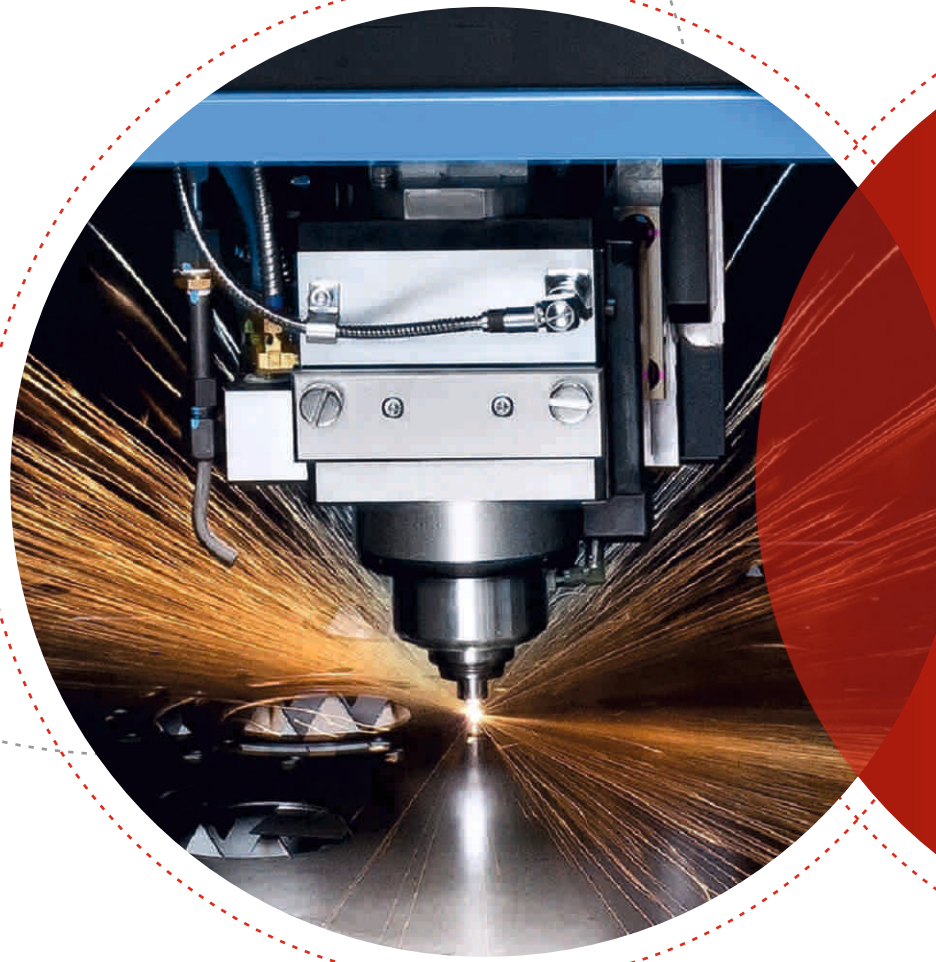


Our Greatest Asset: Our Team

Bachan Industries Private Limited is extremely proud of its Team, their efforts, contributions and perseverance that made the topmost state and national level recognitions possible for a medium scale industry like ours. It is Bachan Industries's vision to have the highest customer satisfaction of any unit in India while having a commitment to quality through the strength of our greatest asset: our team.

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Learn the Value of your Piece
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4.0 GENERATION MACHINE

BACHAN

FIBER LASER

METAL CUTTING MACHINE

1000W / 1500W
2200W / 3300W / 4000W / 6000W / 12000W

Fiber laser cutting machine 4.0" likely refers to a fiber laser cutting machine that incorporates Industry 4.0 technologies to improve its performance, productivity, and efficiency. For example, a fiber laser cutting machine 4.0 include advanced sensors and monitoring systems that collect real-time data on the machine's operating conditions, material properties, and cutting parameters. This data could then be analyzed using artificial intelligence and machine learning algorithms to optimize the cutting process and minimize waste.

MAKE IN INDIA



Focus On Innovation

Empowering high-performance technology design with environmentally responsible solution and competitive costs, we quickly managed to position ourselves as a leading manufacturer in the FIBER LASER, LASER WELDING, LASER TUBE CUTTING, CNC PLASMA, CNC MILLING, LATHE & ROUTER.

We have a work methodology based on 'Thinking + Doing + Improving + Producing' that has led us to achieve milestones: Developing some of the most interesting laser and plasma machinery on the world market, and participating in disruptive projects in the manufacturing industry.



Our Enterprise Culture

Our Principle

People Oriented; respect for knowledge; fair competition; mutual development Customer satisfaction is derived from high quality and good service

Company Moto:

Win the market with innovative technology; reward the customers with best service.

Spirit

Team work, hard work, honesty and innovation

Core Value:

To do things carefully only helps do things right, by heart can one do things perfect.

Infrastructure



Bachan Industries Pvt. Ltd. head office is located in Mohali, Punjab in the heart of transportation hub, which grants us access to supply material anywhere in India without much delays, the head office is spread across 2 acres of area. We also have a 6 Kw plate and 3 Kw pipe laser cutting machine installed in our plant for training and demo purposes.

The head office has highly qualified and trained staff to understand the customer's requirements and send material accordingly, a team of dedicated engineers based out of Mohali is always available on call, and can attend the customers problems or difficulties on moment's notice.





Why Us?

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Bachan Industries Private Limited is a global supplier of cutting edge solutions for the metal-working industry. With our reliable cutting technologies, flexible service packages and intelligent software solutions, we are setting standards worldwide.

As the technology leader in the thermal cutting industry we are constantly working on smarter, faster and more reliable solutions with an added value for our customers.

Our product range includes plasma and laser cutting systems from hand guided machines right up to special machines for shipbuilding as well as machines and equipment for cutting, brazing, soldering and heating. Our product portfolio also includes:

Spare Parts	Environmental Technology	Retrofit	Repairs	Maintenance And Service	In-house Software Solutions

An intensive dialogue with our customers is our priority. We are inviting them to closely work together with us to find the best solutions for their specific needs and to test-drive the latest cutting technologies in our modern training centre. In addition, we are teaming-up with strong technology partners to develop predictive maintenance software and automation technologies.

Our Product Portfolio



LASER CUTTING MACHINES

BI-3015	BI-4020
BI-6015	BI-6520



PLASMA CUTTING MACHINES

BI-1405	BI-2108
BI-2105	BI-2605



LASER WELDING MACHINES

BI-1000
BI-1500



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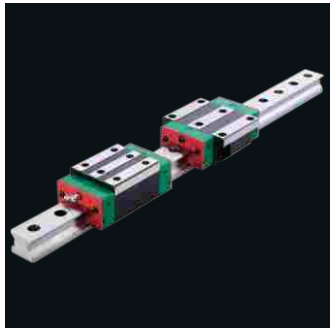
Laser Head & Pinion

INTELLIGENT AUTO FOCUS CUTTING HEAD

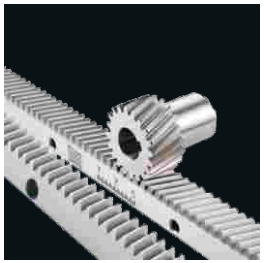
LC608 / LC808

Laser Power 15000W

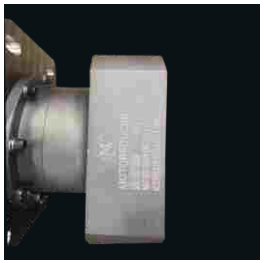
- High speed of auto focusing by collimation with servo motor.
- Dust-proof design with three protection windows.
- Suits for QBH, QD connector.
- Modular catridge of focus protection window is convenient for maintenance.
- Optics temperature monitor, air leakage monitor and protection window in place monitor.



HIWIN TAIWAN



YYC TAIWAN



MOTO REDUCER

THE 4th GENERATION AVIATION ALUMINUM BEAM



High strength, good dynamic performance, more stable

Light weight, high strength, good dynamic performance of the beam;
It is extruded by a thousand-ton extrusion equipment, with uniform density, no pores, no trachoma and other defects, and the material characteristics of light weight and high strength ensure the overall performance of the beam.

High-speed precision cutting

The beam structure optimized by finite element analysis is based on the metal characteristics of aluminum alloy, is corrosion-resistant, lightweight, and high-rigidity, ensuring high-speed motion during laser processing, and can achieve high-speed cutting of various graphics under the condition of meeting accuracy.

More efficient

Aviation aluminum beams allow the equipment to have efficient dynamic performance, greatly improve processing efficiency, and ensure processing quality at the same time.

FIBER LASER CUTTING MACHINE



SINGLE PALLET

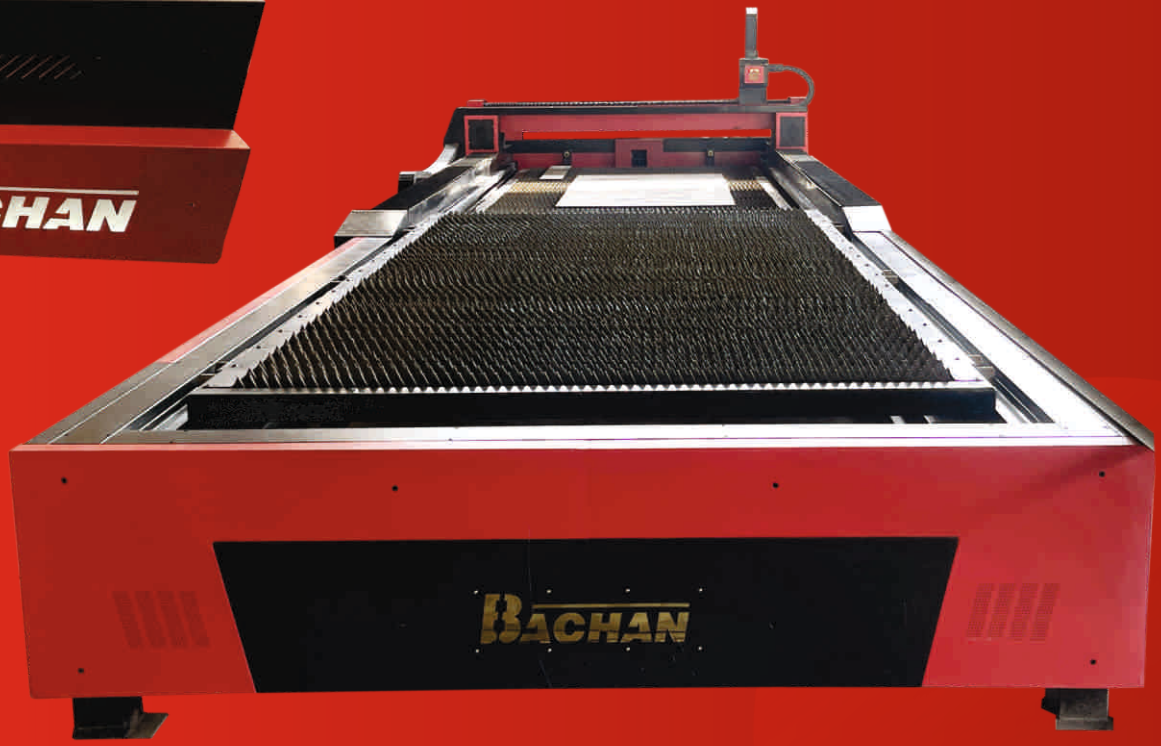
Product Description

BACHAN single pallet laser cutting machine is a type of laser cutting machine that has one pallet or table for material handling and processing. This type of machine is commonly used for low to medium volume production environments, where quick changeovers and material handling are not critical. Single pallet laser cutting machines are often used in small to medium-sized workshops, job shops, and prototyping labs, where versatility, precision, and ease of use are essential. They are commonly used for cutting various materials such as metals, plastics, ceramics, and composites.

Model	B1 3015	B1 4020	B1 6020	B1 6520
Working Area X Axis	1550mm	2050mm	2050mm	2050mm
Y Axis	3050mm	4050mm	6050mm	6550mm
Z Axis	120mm	120mm	120mm	120mm
Laser Source	IPG/Max			
Cutting Head	Autofocus OSPRI			
Max Acceleration	1.4G			
Max Moving Speed	140m/min			
Position Accuracy	0.03mm			
Repeat Position Accuracy	0.02mm			

DUAL PALLET FIBER LASER CUTTING MACHINE





DUAL PALLET

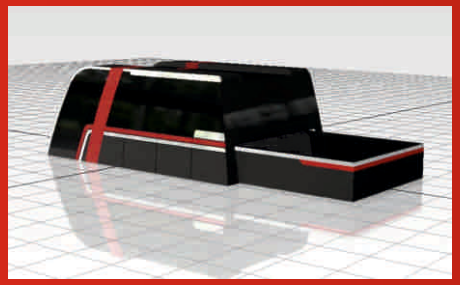
Product Description

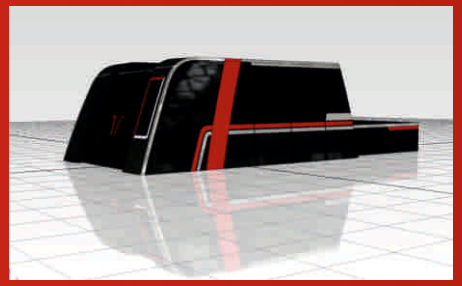
BACHAN dual pallet laser cutting machine is a type of laser cutting machine that has two pallets or tables that can be alternately loaded and unloaded while the laser is cutting on the other table. This allows for continuous production and reduces downtime for material handling and loading/unloading operations.

Dual pallet laser cutting machines are often used in high-volume production environments where fast processing and minimal downtime are critical. They are commonly used in industries such as automotive, aerospace, and manufacturing, where precision and productivity are essential.Overall, a dual pallet laser cutting machine can provide a significant boost in productivity and efficiency for companies that require high-volume production capabilities.

Model	B1 3015	B1 4020	B1 6020	B1 6520
Working Area X Axis	1550mm	2050mm	2050mm	2050mm
Y Axis	3050mm	4050mm	6050mm	6550mm
Z Axis	120mm	120mm	120mm	120mm
Laser Source	IPG/Max			
Cutting Head	Autofocus OSPRI			
Max Acceleration	1.5G			
Max Moving Speed	170m/min			
Position Accuracy	0.03mm			
Repeat Position Accuracy	0.02mm			

FIBER LASER CUTTING MACHINE







EliteEra Model

Product Description

BACHAN canopy laser cutting machine is a type of laser cutting machine that is enclosed in a canopy or housing to provide a clean and safe working environment for operators. The canopy provides a barrier between the laser beam and the operator, which helps to prevent accidents and protect against dust, fumes, and other harmful particles.

In addition to the safety benefits, canopy laser cutting machines can also provide enhanced precision and speed. The enclosure helps to reduce the effects of environmental factors such as temperature and air currents, which can affect the laser beam's accuracy. This can help to improve the quality of the cuts and reduce material waste.Canopy laser cutting machines are commonly used in manufacturing, automotive, aerospace, and other industries that require precise and efficient cutting processes. They are often used for high-volume production, prototyping, and small-batch production runs. Overall, a canopy laser cutting machine can provide a safe, efficient, and high-quality cutting solution for a wide range of applications.

Model	B1 3015	B1 4020	B1 6020	B1 6520
Working Area X Axis	1550mm	2050mm	2050mm	2050mm
Y Axis	3050mm	4050mm	6050mm	6550mm
Z Axis	120mm	120mm	120mm	120mm
Laser Source	IPG/Max			
Cutting Head	Autofocus OSPRI			
Max Acceleration	1.5G			
Max Moving Speed	170m/min			
Position Accuracy	0.03mm			
Repeat Position Accuracy	0.02mm			

PROFESSIONAL LASER TUBE CUTTING MACHINE

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Cutting Shape Capabilities



C Channel | I Channel | L Channel | Rectangle | Round / Oval | Square



EliteEra Model

Product Description

BACHAN fiber laser tube cutting machine is a type of laser cutting machine that is specifically designed to cut and shape tubes and pipes made of various materials such as steel, aluminum, copper, and brass.

Fiber laser tube cutting machines are commonly used in industries such as automotive, construction, and manufacturing, where pipes and tubes are used for a wide range of applications. They are used for cutting tubes of different lengths, diameters, and thicknesses, and can also be used for cutting holes and slots in the tubes. One of the main advantages of using a fiber laser tube cutting machine is the speed and accuracy of the cutting process. The machine can cut tubes and pipes quickly and with high precision, reducing material waste and production costs. In addition, fiber laser tube cutting machines are highly automated, which reduces the need for manual labor and increases productivity.Overall, a fiber laser tube cutting machine can provide a highly efficient and accurate cutting solution for companies that require high-volume tube cutting and shaping capabilities. It can help to improve product quality, reduce production costs, and increase overall efficiency.

Two pneumatic chucks professional Fiber laser tube cutting machine

Technical Parameters	
Laser Source	IPG / Max
Power of laser	1500W-4000W
Laser wavelength	1060-1080mm
Diameter of chuck	160mm, 220mm, 320mm
Tube length	6M
Application grahic formats	IGS, ZX
Y-axis repeated poistioning accuracy	+0.05mm
Reposi U-axis rotation positioning accuracy	<5 < arc minutes

HANDHELD LASER WELDING MACHINE

1000w / 1500w Handheld Laser Welding Machine

- Building materials welding
- Sheet metal welding
- Pipe welding
- Hardware kitchen and bathroom welding
- Precision welding
- Home appliance welding

Wide range of welding materials: carbon steel, stainless steel, aluminum alloy, brass, copper, pickling sheet, galvanized sheet, silicon steel sheet, electrolytic sheet, titanium alloy, manganese alloy and other metal materials.



Handheld Laser Welding Machine

Product Features

- Compact Design
- Easy to Hold
- Precise and Stable
- High Safety Performance
- High Efficiency and Quality
- Low Energy Consumption and Long Lifetime
- Easy Maintenance




Galavanized


Cabon Steel


Stainless Steel


Aluminum


Cooper

FIBER LASER MARKING MACHINE

FEATURES:-

- Low operating Cost & zero maintenance cost.
- Applicable on materials like metal, non-metal, ceramics, plastics, etc.
- Permanent Marking Processing / Online-Marking Process.
- Minimize damage to the product and enhance the quality.
- High speed marking for mass production

SAMPLES













PLASMA CUTTING VARIANTS

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BI-1405 / BI-2105

- Low Power Consumption
- Cutting upto 16mm
- Effective Cutting Size: 6350mm x 1550mm
- Heavy Duty LM Guides for Smooth Operations
- Attached Suction System and Blower-
  (To blow out all the dust from machine area)
- Segmented Smoke Exhaust
- High Dynamic Performance
- High Speed with Servo Motor & Gears
- Integrated Electrical Panel System for
  Electrical Access
- With High Accuracy Torch Station
  (Oxy fuel attachment is optional)
- With Cover
- Low Maintenance



PLASMA CUTTING VARIANTS



BI-2108

- Low Power Consumption
- Cutting Upto 16mm
- Effective Cutting Size: 7000mm x 2550mm
- Heavy Duty T-Rails for Smooth Operations
- Integrated Electrical Panel System for Electrical Access
- With High Accuracy Torch Station- (oxy fuel attachment is optional)
- High Speed with Servo Motor & Gears
- Low Maintenance

SPECIAL FIBER FUSION SPLICER FSM-100 SERIES

BACHAN offers complete solution of fiber splicing.



The Fujikura specialty fiber splicer FSM-100 series offers a host of innovative technologies to address the rapidly expanding splicing needs for factory, manufacturing, laboratory and R&D applications. These capabilities is revolutionizing the way users splice various types of specialty fibers, LDFs, PMFs and so on.

Features:

- **Optimal Plasma Zone Control**
  The patented "Split V-groove" and electrode systems create flexibility within the plasma zone.
- **Observation Method for Fiber Rotation Alignment**
  The FSM-100 series provides three types of power calibration methods for both 125µm fibers and LDFs.
- **Enhanced Sweep Plasma**
- **Enhanced Power Calibrations**
- **Dual Splice Loss Estimation**
  FSM-100 series provides loss estimation methods using either cold or warm splice Images for accurate splice loss estimation.
- **USB, GPIB Communication**





EXHIBITION



















PROFESSIONAL CUSTOMER SERVICE



WE ARE HAPPY TO
HELP!

PRE-SALE SERVICE

Professional Consultation

We can provide customers with product information consulting service at any time by network, phone, e-mail or door-to-door service

Inspection & Reception

Any customer will be fervidly served while visiting HSG's headquarters, subsidiaries, branches and exhibition halls.

Free Samples

We are pleased to cut and send samples to you for free

IN-SALE SERVICE

We always treat each customer with integrity and fairness and will carry out all terms of contract signed with you. HSG hereby promises that you will undoubtedly receive high-quality machines as you ordered.

CUSTOMER WITNESS










AFTER-SALE SERVICE

Commitment of Quality Assurance

The warranty period of complete machine will last for 1 year (except vulnerable parts; optical lens, cutting nozzle.

Written Instruction Attached

Installation guide, maintenance guide, discharge guide, training guide etc.

Three Free Services

Free training, free installation and free upgrade of software.

Contact Us

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Bachan experts will offer online failure diagnosis and give professional solutions as soon as possible.

OUR CLIENTS

PREET
VISHAL COMBINES
HIM TEKNOFORGE LIMITED
OSN Originative Solutions Network
ONKAR
BALKAR
MALKIT
GNI GROUP
CHAANY AGRO INDUSTRIES
SUPER DAI
GARG PLATES
JANGEER
PUNJAB
DASMESH AGRO INDUSTRIES D.R. BATHINDA PUNJAB INDIA
Prem Plate Wale
GILL PREET AGRO INDUSTRIES
KALLAN
PUNNI
HP AGRO INDUSTRY
Bakshish ENGG. WORKS Complete Rice Mill Machinery & Spare Parts
DASMESH AGRO INDUSTRIES DAI EST. 1987
VISHTECH
RSI

and many more...

CUTTING SAMPLES

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Sheet Cutting








Tube Cutting








High-Precision Cutting

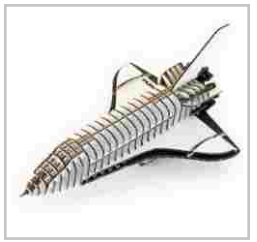







Artistic decorations

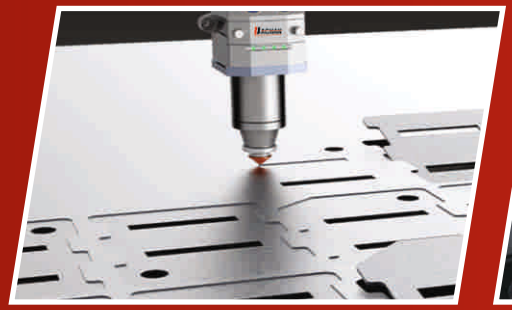


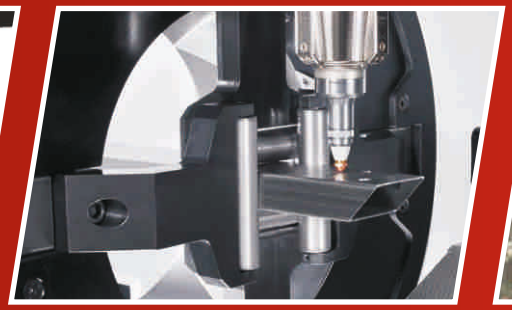


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SHEET CUTTING



TUBE CUTTING



LASER WELDING



QBH SPLICING

BACHAN INDUSTRIES PRIVATE LIMITED

FIBER LASER, CNC PLASMA, CNC MILLING, LATHE & ROUTER

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