



LASER TECH
SYSTEMS AND SOLUTIONS

SERVICE BEFORE SALES

QuickBend Series

Sheet Bending Machine

COMPANY PROFILE:

Laser Tech Systems and Solutions was founded by Mr. Rajiv Kumar with a group of Technocrats in 2021, with the idea of creating a large umbrella organization to assist and serve the growing Indian Laser Industry and to help the market with its years of experience in the field of Lasers and its applications.

We represent many global manufactures, covering a wide range of solutions Laser Marking, Laser Welding, 2D Laser Cutting, 3D Laser Cutting, Laser Cladding, Laser Hardening. Our Laser Solutions can process a wide range of materials like Metal, Paper, Acrylic, Wood, Textile, Leather, Plastic and many more.

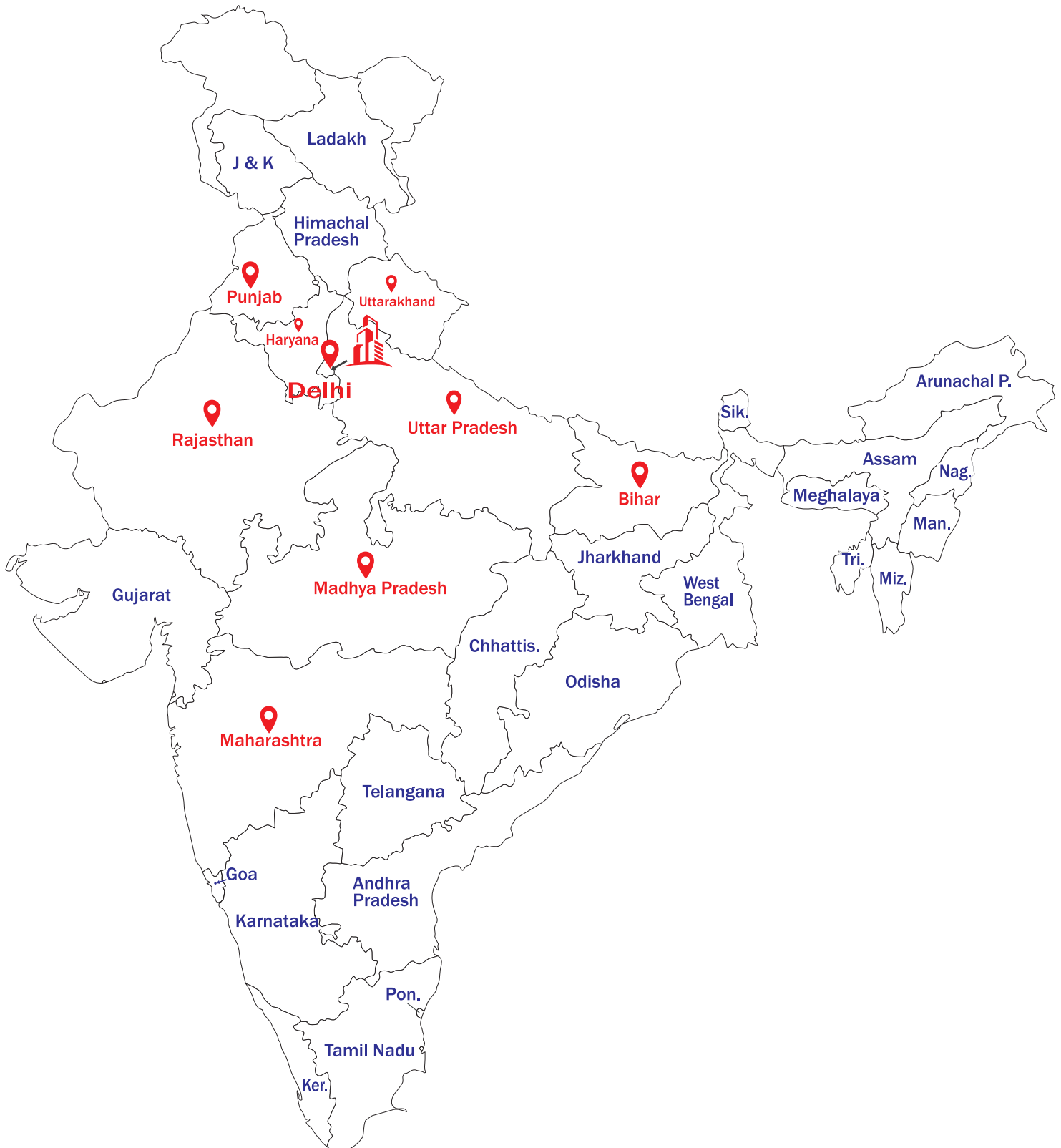
Our main aim is to serve our customers with cost effective and innovative solutions with our utmost know how of Applications and help them to fulfill their objectives.

Our aim is to provide the best solutions to all our customers with best systems and economical prices. We believe in **SERVICE BEFORE SALES**...We provide industrial solutions for Laser for Metals, non-metal laser cutting/engraving machines, Galvo based solutions, Laser Marking, Laser welding, 2D laser cutting, 3D laser cutting, Laser cladding etc.

LTSS Service and Support:

Laser Tech Systems and Solutions supports installation, commissioning, and training for its customers. Dedicated Laser Systems available for in-house demonstration, applications and software training. Specialized engineers are available to provide online and telephonic support.

*We proudly say that because of our team's dedicated efforts and our motto "**SERVICE BEFORE SALES**" we have a chain of happy customers related to various industries using our Laser machines in India.*



CNC PRESS BRAKE MACHINES



Images are not actual images and are strictly for representational purposes onl. It can vary as per company design policy.

Description

CNC Bending machine is an innovative tool used in manufacturing industries to bend sheet metal and achieve precise, complex shapes with high accuracy. Unlike traditional mechanical bending methods, CNC bending relies on the localized heating and cooling of the material using a laser beam. This process induces thermal expansion and contraction, allowing for controlled bending without the need for physical contact or mechanical force. One of the key advantages of the machine is their ability to achieve tight bending radii and intricate shapes without introducing material defects or distortion. Additionally, CNC bending offers flexibility in bending angles and profiles, enabling the production of customized parts with minimal setup time. The non-contact nature of CNC bending minimizes tool wear and reduces maintenance requirements, resulting in higher operational efficiency and cost-effectiveness. Furthermore, these machines are suitable for a wide range of materials, including metals, plastics, and composites, making them versatile tools for various manufacturing applications.

Advantages of CNC Bending Machine

Precision

CNC bending machines offer high precision and accuracy in bending operations, ensuring consistent results and tight tolerances across multiple parts.

Versatility

These machines can bend a wide range of materials, including metals like steel, aluminum, and stainless steel, as well as plastics and composites, making them suitable for various applications.

Flexibility

CNC bending machines can accommodate different bending angles, radii, and profiles, allowing for the production of a variety of complex shapes and parts.

Efficiency

CNC bending machines operate with high efficiency, reducing production time and costs by minimizing setup time, material waste, and manual labor.

Automation

With their computer-controlled operation, CNC bending machines offer automation capabilities, enabling continuous, unmanned production runs and increasing productivity.

Ease of Programming

CNC bending machines can be easily programmed using CAD/CAM software, allowing for quick setup and modification of bending programs to meet changing production requirements.

Consistency

CNC bending machines ensure consistent bending results across multiple parts, eliminating variations caused by human error and ensuring uniformity in finished products.

Safety

CNC bending machines are equipped with safety features such as light curtains, interlocks, and emergency stop buttons to ensure operator safety during operation.



CNC PRESS BRAKE MACHINES

40T/1600



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Model	40T/1600
Normal Force	40T
Worktable Length	1600 mm
Poles Distance	1300 mm
Throat Depth	220mm.
Slider Travel	100mm.
Max Open	320mm
Power	5.5KW
Weight	3000KG
Material / Metal Processed	Brass / Copper, Stainless Steel, Carbon Steel, Aluminum
Dimension	1600mmx1200mmx1900mm

CNC PRESS BRAKE MACHINES

100MT to 1000MT

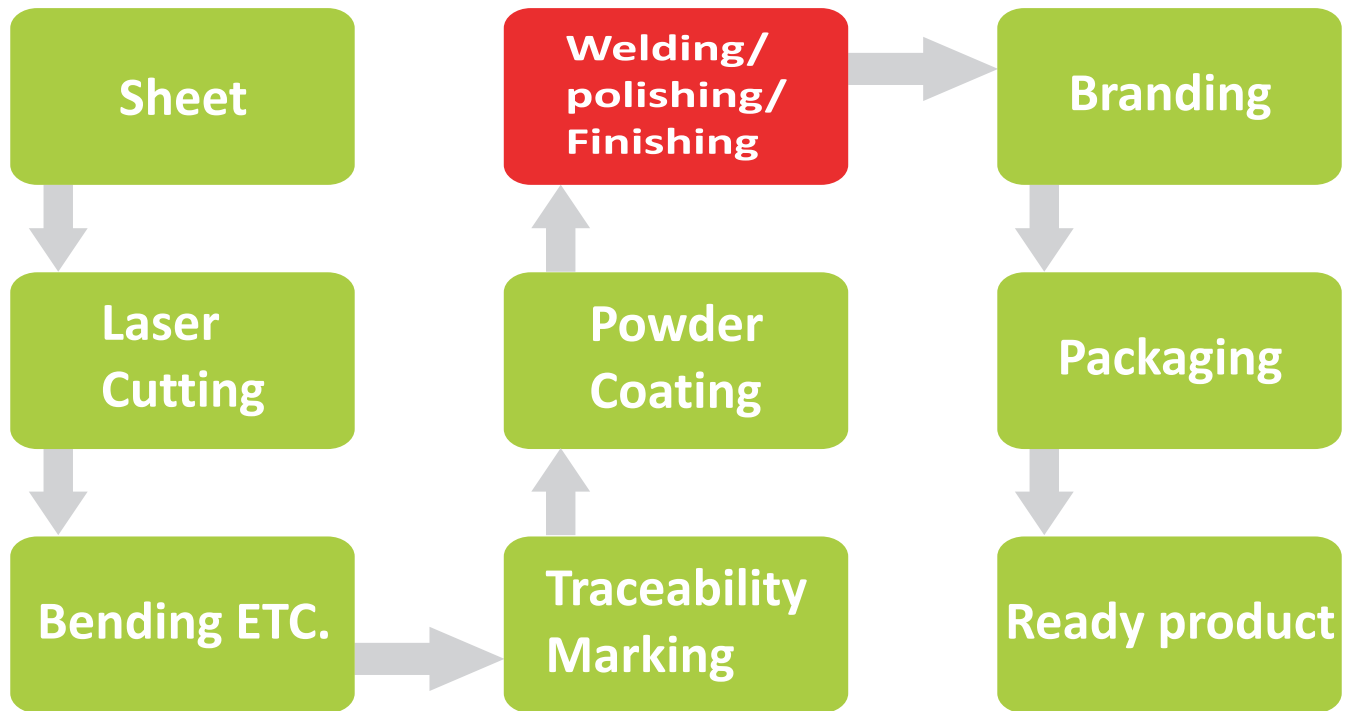


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Model	LT CNC SB 1031
Capacity	100 MT to 1000MT
Bending Lenght	3100mm.
Clear Pass	2600mm.
Ram Strokes.	200mm.
Open Height	385mm.
Closed Height	185mm.
Throat Depth	300mm.
X- Axis Travel	600mm
- Approach	100mm/sec.
- Pressing	7mm/sec.
- Return	80mm/sec.
Motor	10H.P.
Over all Dimension (LxWxH)	3300mmx1600mmx2800mm
Oil Tank capacity	300 Liters.
Oil Specification	68 grade Hyd. Oil (HP, Castrol, IBP, Servo or any equivalent reputed make)
Material / Metal Processed	Brass / Copper, Stainless Steel, Carbon Steel, Aluminum

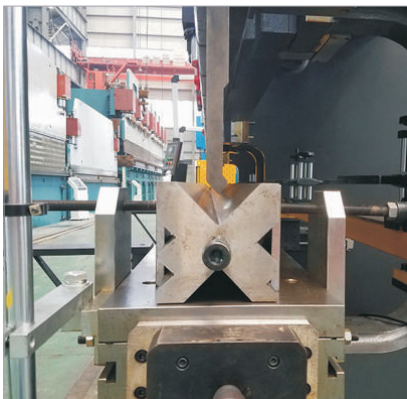
Features of CNC Press Brake Machines

A CNC Press brake machine has many benefits. First of all, it will cut labour intensity and increase production speed. Then, it will improve the quality of the product. Press brakes are highly flexible machines and can bend a variety of materials, including steel, aluminium, and copper. Here are some features of CNC Press brake machines. This is a quick guide on how to choose the right CNC Press brake machine for your needs.



To make process faster and productive must identify the bottleneck and for thin sheet metal fabricators always struggling with the welding, they have Laser -smooth cutting, fast but the welding conventional TIG or WIG.

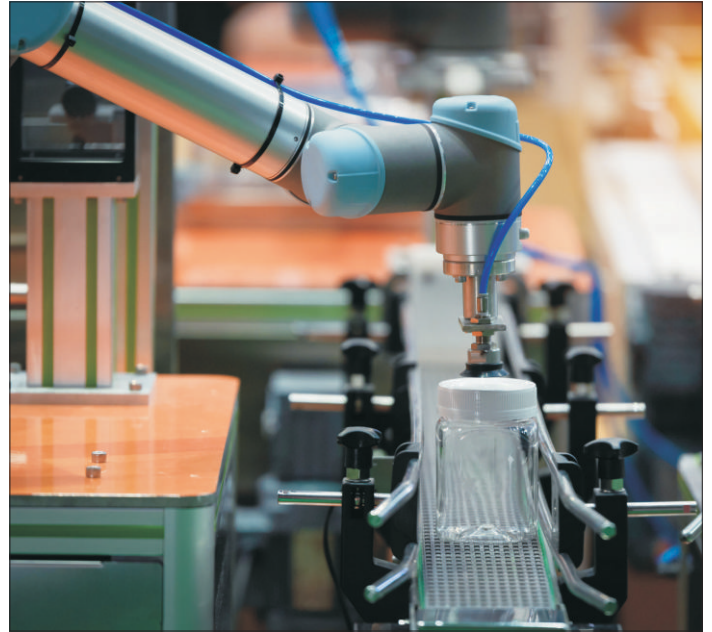
Laser is the answers to all problems with Conventional Welding for Thin sheets??



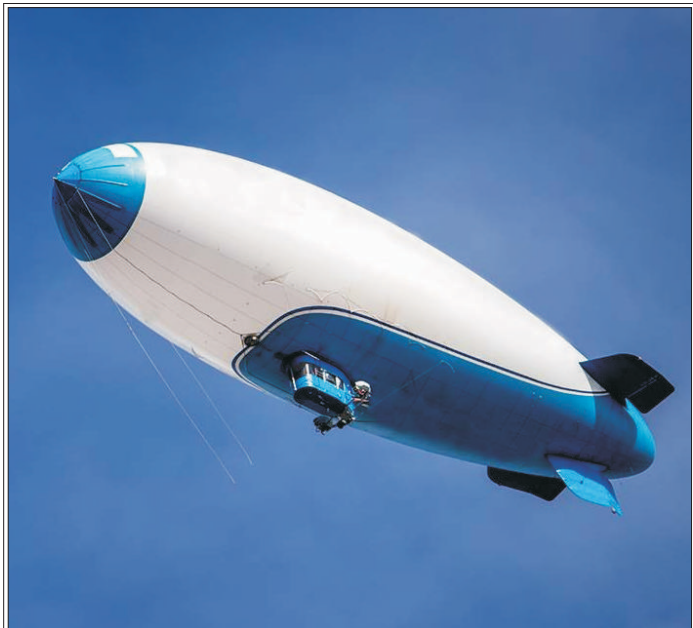
APPLICABLE INDUSTRY



AUTO PARTS



PACKAGING INDUSTRIES



AIRSHIP



PLASTIC INDUSTRIES



RAILWAY INDUSTRIES



ELEVATOR INDUSTRIES

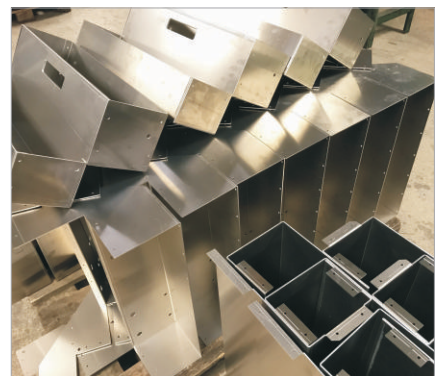
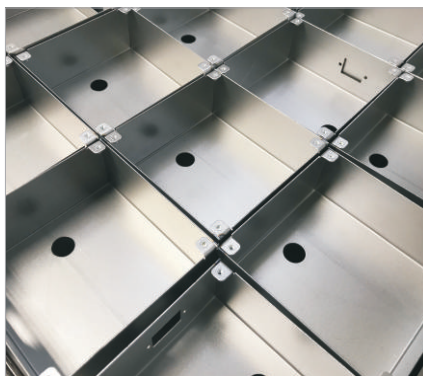
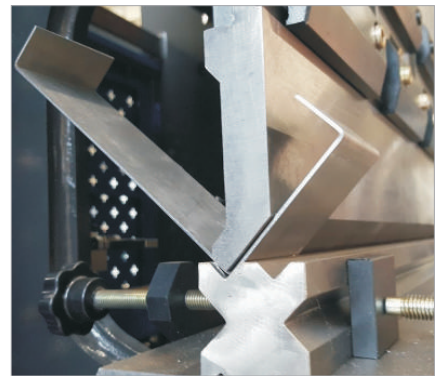
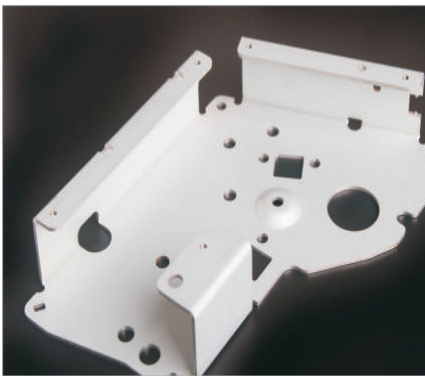
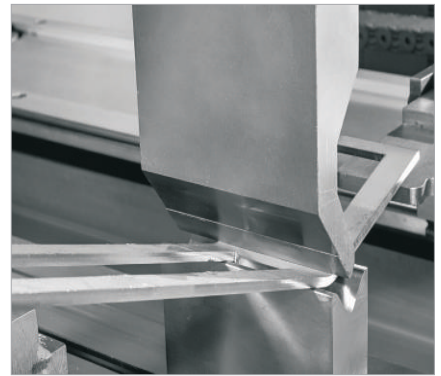
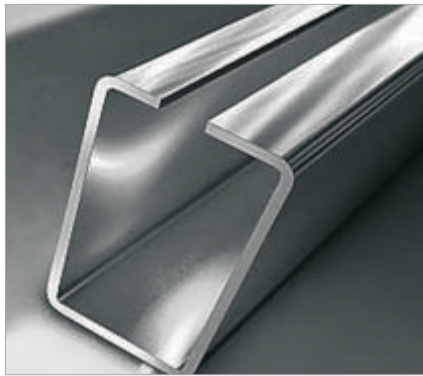
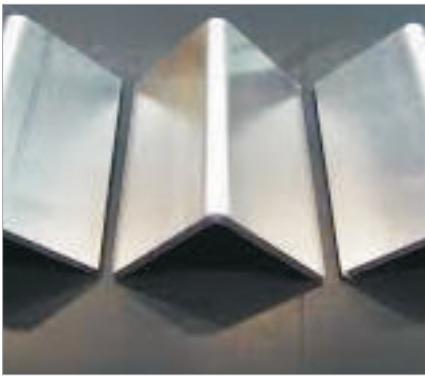
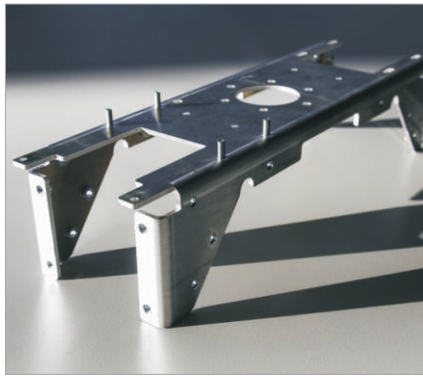


MARINE INDUSTRIES



MACHINE MANUFACTURING

Samples



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