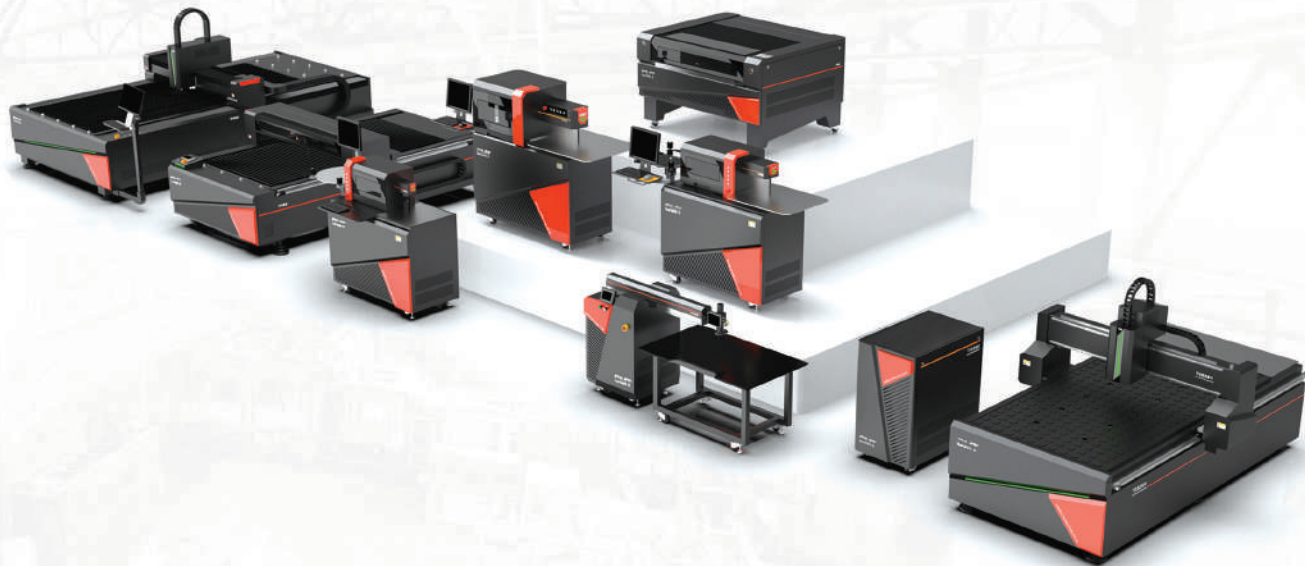




CHANLONG MANUFACTURING AND TRADING PVT LTD



ONE STOP
SIGNAGE SOLUTION

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MACHINES

ABOUT CMT

2017 / 2024

Chanlong Manufacturing & Trading Co., Ltd.(CMT) is a multinational company headquartered in the technology hub of China, Shenzhen. Established in 2017 in Chennai, India. CMT is located in Poonamallee, Chennai, occupying a space of 30,000 square feet.

CMT is the first company to introduce the latest global technology in super signage hardening equipment manufacturing and liquid acrylic production. We are dedicated to promoting the wide spread adoption of new industry standards and offer free training in equipment operation, process flow, and production techniques to our peers nationwide to improve customer productivity and increase their recognition and competitiveness in the industry.

Over the past seven years, CMT has focused on popularizing advanced Curing Machines, Channel Bending machines, CNC Router, Laser Cuting Machines, Ultra-Fast Welding machines and 3D printers. We were the first to widely use LED Strip lights on well-known brand luminous products. Our management strictly follows production ethical principles.

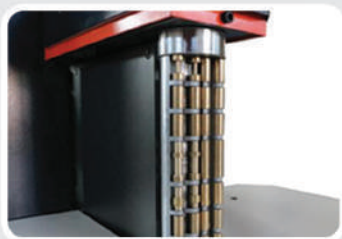
In our production units, we use high-tech equipment and have a team of manual experts for assembly.

Our goal is to provide our customers with excellent products and services for mutual benefit.



CMT

C180P *Aluminum channel
bending machine series*



C180P Aluminum channel bending machine series

Specifications

Model	C180
Working principle	Auto feeding,Auto straightening Auto cutting,Auto bending Auto depth adjustment.
Slot degree	45-135 degree
Bending radius	≥10mm
Material width	≤180mm
Material thickness	0.3-1.5mm
Total power	1500w
Machine size	2400*1100*1480mm(L*W*H)
Air pressure	0.3-0.8Mpa
Voltage	220v/50Hz
Weight	350kg
Cutting motor	11000r / min brushless DC motor
File Format	*.plt, *.dxf

Advantages

- Application Materials : flat aluminum, edge aluminum, rectangle /triangle aluminum ,super aluminum
- Stable cutting and bending With five-axis mechanical construction - feeding, lifting, cutting, and bending once forming, to ensure accurate and stable arc.
- With brushless DC Cutting motor, application of various materials.
- With the closed loop self-test system, the device features high measuring precision in the long run , The whole error is less than 0.1mm comparing with the acrylic panel.

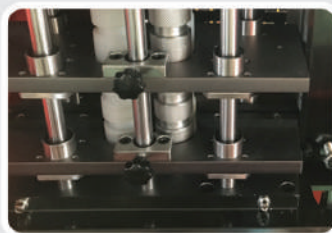
Pre installation requirements

- Required 1 phase power connection
- Required 25 liter capacity of air compressor
- Aluminum Bending roll
- Machine includes updated computer with software for easy operation

Usage

- Super signage,Trimless acrylic & PC letters

C130 Aluminum channel bending machine series



C130

Aluminum channel bending machine series

Specifications

Model	C130
Working principle	Auto feeding,Auto straightening Auto cutting,Auto bending
Material Width	≤130mm
Min Bending radius	≥10mm
Material thickness	0.3-0.8mm
Total power	1000w
Machine size	2400*840*1420mm(L*W*H)
Voltage	220v/50Hz
Air pressure	0.3-0.8Mpa
File Format	*.plt, *.dxf
Weight	350kg

Advantages

- Very less space is occupied, so easy to operated in congested area. Suitable for crowded market
- Professional for outdoor and indoor quality advertising letters ,signs and lamp house ,like LED aluminum letters, metal letters, trimless letters, and liquid Acrylic letters.
- Smooth and delicate cutting, , low noise, stable performance,one button operation and cost-effective, economical and practical device .

Pre installation requirements

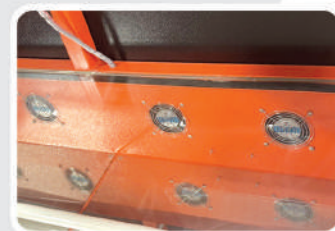
- Required 1 phase power connection
- Required 25 liter capacity of air compressor
- Aluminum Bending roll
- Machine includes updated computer with software for easy operation

Usage

- Super signage,Trimless acrylic & PC letters

C850

Liquid Acrylic Curing
Machine Series



Specifications

Machine area	8.5 x 5.5 x 4ft (Big) 5.5 x 5.5 x 4ft (mini)
Curing size	2370mm x 1500mm (Big) 1470mm x 1493mm (mini)
Running humidity	<90%
Curing time	60 - 90 mins
Electrical power	1000w
Working Voltage	220v
Glass size	12mm thick
Thickness	Toughened glass

Advantages

- Easy to operate control switches
- Proper exhaust system to ensure quick drying / curing process
- Enabled Alarm system and automatic power cut off after 90mins
- Pneumatic Door(Single acting cylinder) for easy opening and closing.
- Free training for super signage making

Pre installation requirements

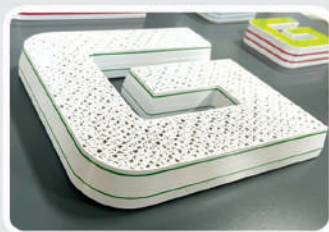
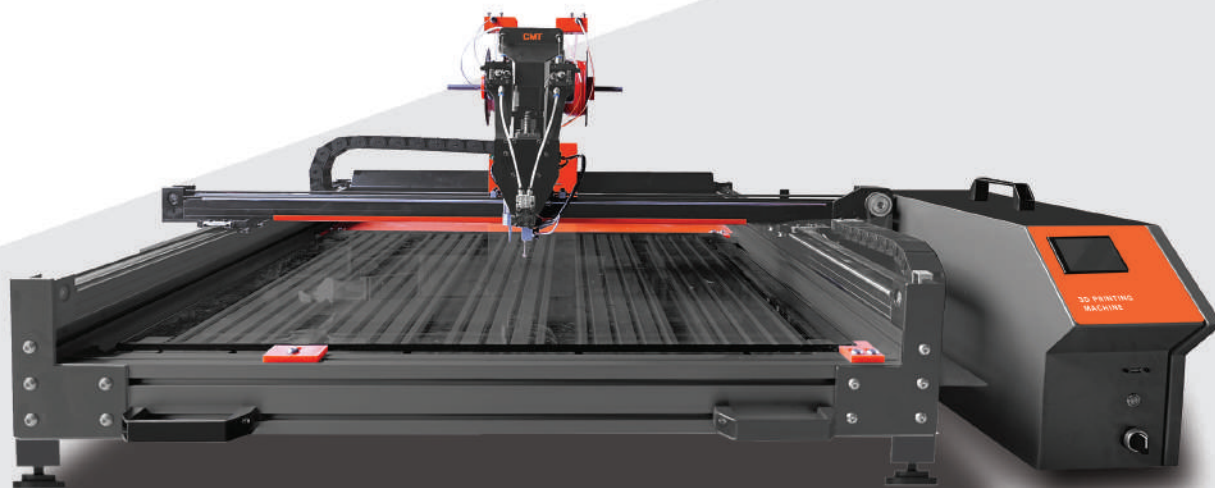
- Single phase power & weight bar (3kg & 5kg)
- GI straight bars & magnets
- Glue and Colour paste
- Requirement of Weighing scale is 1 mg and 25kg
- Plastic containers - 25liter,10 liter,5liter,2liter and 1liter

Usage

- Super signage liquid letters

D80

3D Printing
Machine Series



Specifications

CNC system

Speed up at least 50%, CNC software can automatic typesetting, automatically optimize path, print the rounded or right Angle speed automatic brake adjustment curve, reduce the wire drawing, and can preview the file of the 3 d effect on the screen

Long service life

Scattered open with no dead Angle of 360 degrees intuitive design easily grasp the observation production schedule and quality condition, degree of 0.1 MM detachable type platform ball screw than other companies on the market of T screw, printer longer service life.

Rational design

Machines and chassis adopts the split type, avoid overheating chassis, machine breakdown. At the same time machine connected to the chassis using shielded cable for data transmission is more stable.

Advantages

■ High Precision

Precise postioning
Bending ≤ 0.03 / 300mm
Straightness ≤ 0.03 / 300mm
Speed 50mm-100mm

■ Good Stability

Single nozzle
Size 0.8mm
Layer resolution 100um

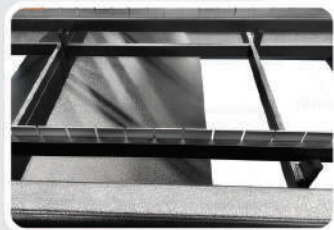
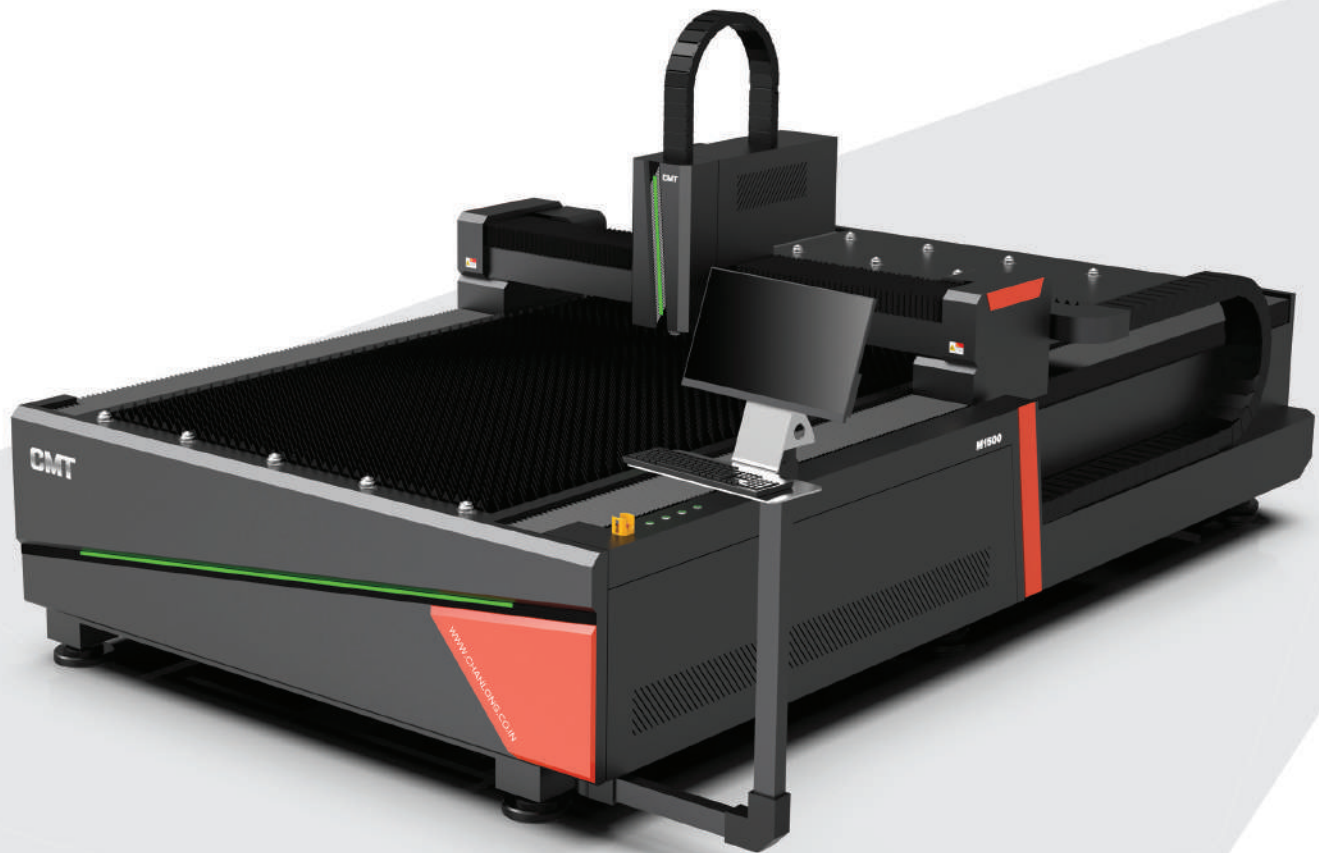
■ Low Scrap Rate

The printing speed
Increase of 50% scrap
Rate greatly decreased

Usage

■ 3D Letters

M1500 Fiber Laser Cutting
Machine Series



M1500 *Fiber Laser Cutting Machine*

Specifications

Laser power	1500W
Max cutting area	1500*3000mm
The fast running area	30m/min-60/min
Servo motor & Drive	Delta
Transmisson system	Rack & Pinion
Cutting head	Acutter
Machine power	<12.6Kw
Control system	AU3TECH
Laser source	Max
Machine bed	3 steel material 2tons
Voltage	380V

Advantages

- Welded bed : stable and invariable
- Stable laser source : Raycus
- Comes with cutting parameters for different materials, making it easier for users to operate and use . Users who have no experience in operating machines can quickly master cutting skills Compared with the same type of machine, the most cost-effective.

Pre installation requirements

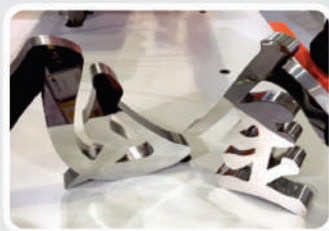
- Required 3 phase power 13KW connection
- 12Mpa (bar) Compressor
- SS sheet 8*4
- Machine includes updated computer with software for easy operation

Usage

- Mild steel (MS) - 12mm, Stainless Steel (SS) - 5mm
Aluminium =3mm

M500

Super Welding
Machine Series



Specifications

Max laser power	300W-500W
Laser wavelength	1064 nm
Single pulse max energy	110J
Laser welding depth	0.1-1.2mm
Pulse width	0.1-20ms
Laser welding frequency	0.5-40Hz
Spot size adjustable range	0.2-2mm
Entire machine power	<6Kw
Voltage	AC 380V 10%
Working table size	1700*1150mm
Positioning	CCD synchronous high-definition camera
Consumable parts	thimbles. Protective lenses the laser can rotate with 360 degrees with focal length of 20mm.

Advantages

- Applicable material: stainless steel, steel plate, iron plate and other metal and alloy.
- High accuracy, can weld small and complex typeface and logo, highspeed, no chromic aberration and race after welding, with beautiful appearance, no need processing
- No protuberant welding spot on the welding surface, no need the process of polishing and burning, saving working time, graceful and steady for the structure
- No noise and pollution.
- Option CCD monitor, welding result is much better

Pre installation requirements

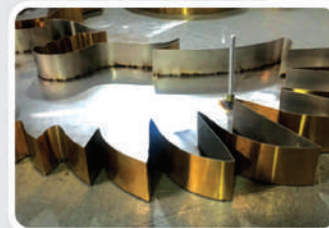
- Required 3 phase power connection
- Proper earth Connection
- SS Letter cutting and bending

Usage

- SS Welding, GI Welding, MS welding

M130

Stainless Steel Channel Bending Machine



M130

Stainless Steel Channel Bending Machine

Specifications

Model	M130
Application Material	Stainless Steel, GI, Aluminium
Working Principle	Automatic
Slot degree	90 degree
Bending radius	≥5mm
Material width	≤130mm
Material thickness	0.3-1.2mm
Total power	2000w
Machine size	2600*800*1550mm(L*W*H)
Air pressure	0.4-0.8Mpa
Voltage	220v/50Hz
Weight	500kg

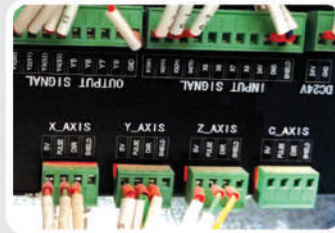
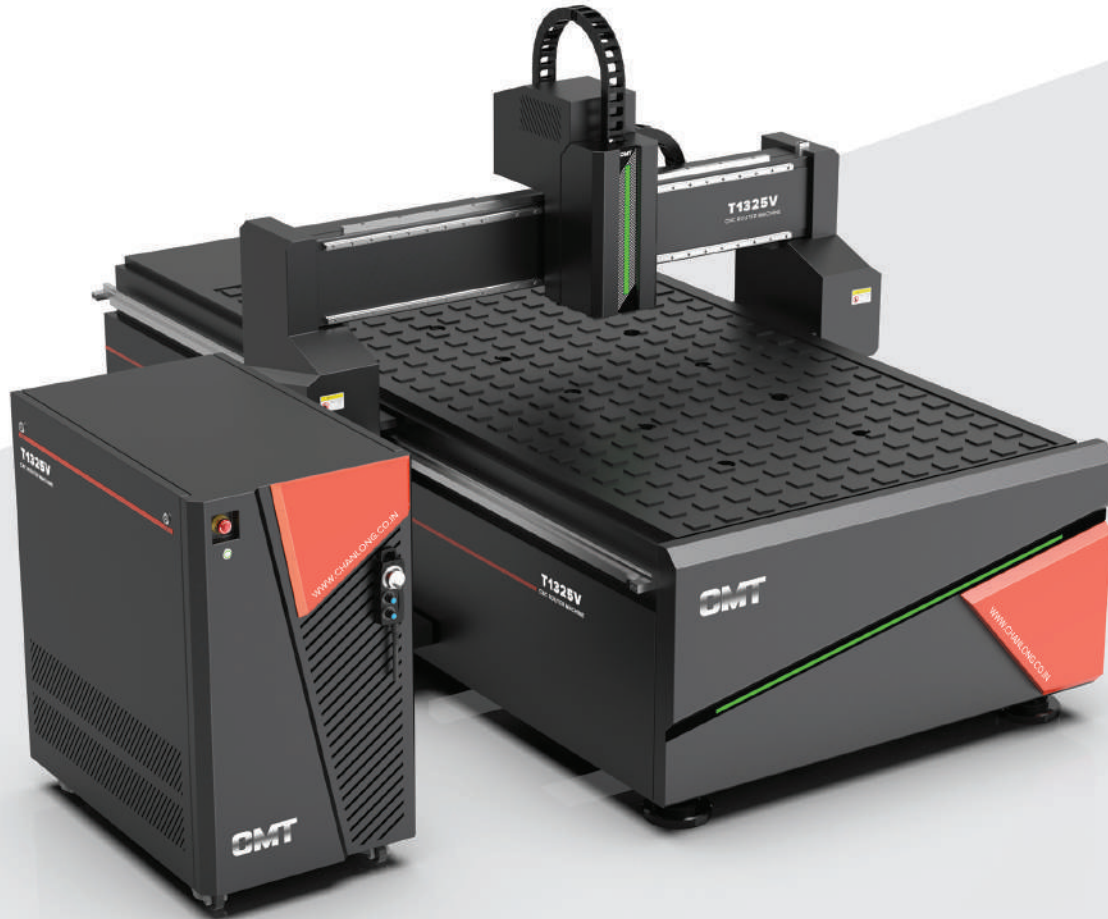
Advantages

- Using manipulator, alternate feeding mechanism is controlled, to ensure the stability of the feeding process effectively. The material clamp adopts structural casting to improve the feeding grip.
- Double-blade alternate bending structure improves high forming degree and strong stability .Automatic adjustment of cutting depth for planer system, easy to operate. The Planer is made with hard alloy finish, stable and smooth cutting,
- Software automatically recognize and cuts as per the design Ball screw and double square rail is used for more powerfull and stable cutting High power servo control , High precision, high torque to improve work efficiency.
- Fully chrome plating for machine, wear resistant and corrosion resistant Software can switch between two slotting system freely, easy to learn and operate

Usage

- SS Letters ,Super signage,Trimless acrylic & PC letters

T1325V CNC Router Machine Series



Specifications

Table surface	Aluminium Bed / Vacuum Bed
Body Structure	Steel structure
XYZ Structure	Gear Wheel & ball screw for Z
Guide Rail	Square Guide Rail
Max. Rapid Travel rate	15000mm/min
Max.working speed	10000mm /min
Stepper motor Brand	Lead Shine Motor & Drive
Spindle power	3KW
Cooling System	Water Cooling
Packing Size	3150mm x 2150mm x 1900
Weight	1100 Kgs
Inverter	3KW BSD
Command	G-code*.u00*.mmg*.plt *.dxf
Working voltage	AC220V / AC380v / 50Hz
Handle Control	Richauto DSP Controller

Advantages

- Mainly used in advertisement architecture and furniture industries.
- Max. Routing speed is 16 meters / min. so cutting efficiency with shorter cutting time is excellent.
- Applicable materials : ACP, Acrylic , PVC Board, WPC, MDF, Wood, PC sheet.
- Easy to operate with handle control & multiple file versions are supported

Pre installation requirements

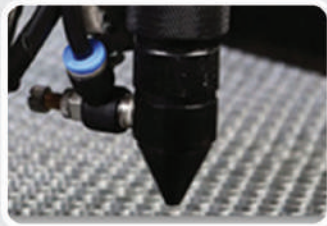
- Required 3 phase power connection
- Proper earth Connection
- 12mm WPC

Usage

- ACP Cladding Elevations, ACP Backlight Signages, ACP Baseboard
- Foam board cutting for Architecture designs and inshop brandings
- Trimless Pc Sheet Letter Making & Mini Signages
- HDPE floorings, Wooden flooring, wooden doors, modular kitchens

T160

Co2 Laser Cutting
Machine Series



Specifications

Model	1309 / 1325
Operating Voltage	AC110-220V \pm 10%, 50-60HZ
Laser Type	Sealed CO2 Laser Tube
Bed Type	Knife or Honey comb
Laser Power	130W / 160W
Driver&Motor	JMC Stepper Motor
Control System	Ruida
Working Area	1300x900mm / 1300x2500mm
Engraving Speed	1-60,000mm/min
Min Character	English 1mm
Machine Size	1820mm*1380mm*1000mm (1309) 3230mm*1841mm*1100mm (1325)
Position Accuracy	$\leq \pm 0.05$ mm
Supported Formats	.plt, .bmp, .dxf, .ai, hpgl, .dst

Advantages

- It is mainly used for processing large, heavy and inconvenient moving materials, acrylic and double color plate carving, organic glass carving and cutting, sign carving, crystal, photo frame, trophy carving, license plate carving, etc.
- Crafts Industry: Wood, bamboo chips, ivory, bone, leather, rubber board, marble, shells and other materials are beautifully carved with patterns and characters.
- Leather and garment processing industry: complex characters and figures are carved, cut, carved and hollowed out on leather, synthetic leather, artificial leather, cloth and fur. Cutting, carving underwear, household ornaments, gloves, handbags, shoes, hats, toys and car flowers industries, surpassing fashion in the garment and demonstrated their individuality.

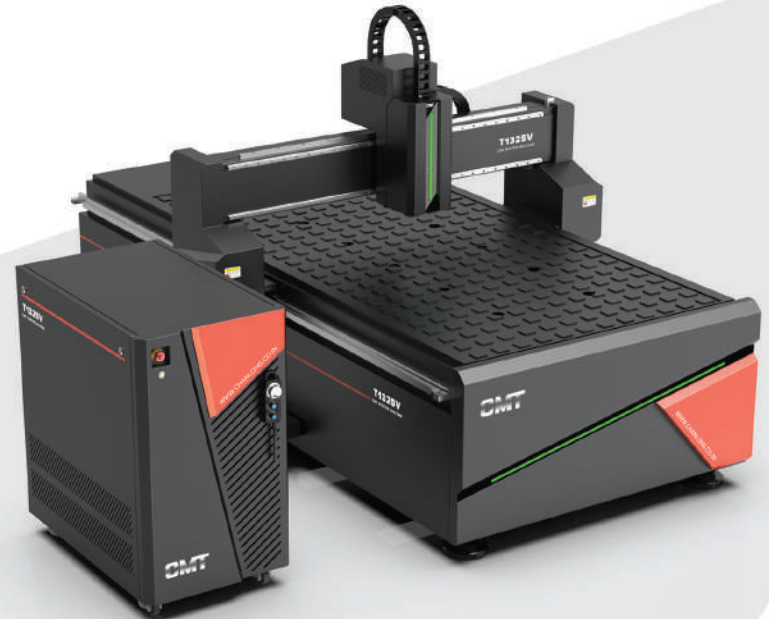
Pre installation requirements

- Required 1 phase power connection
- Required 25 liter capacity of air compressor
- Aluminum Bending roll
- Machine includes updated computer with software for easy operation

Usage

- Super signage, Trimless acrylic & PC letters

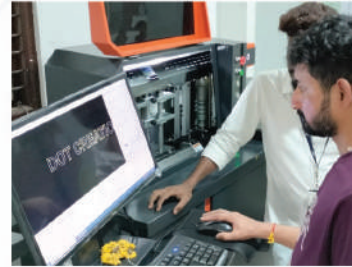
Super Signage Machine Series



Applications



Training & Machine Installation





-For more Details-

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