



Hightech Industry Inc.

Bending, Welding, and Cutting Machinery and Equipment

COMPANY INTRODUCTION



HIGHTECH INDUSTRY INC.



Welcome to Hightech Industry Group, the global leader in cutting, bending, and welding machinery and equipment. With a dedicated team of over 1,300 young, innovative professionals—including technicians and engineers—we are committed to advancing manufacturing technologies and delivering top-tier solutions to our clients worldwide.

Our expansive network includes 39 agents and 7 branches, serving more than 9,000 satisfied customers across 110 countries. This extensive reach enables us to provide unparalleled service and support, no matter where you are located.

As a key member of the Hightech Group, Hightech Industry Inc.

was established with a focused mission: to serve the North American market with excellence. By producing high-quality machinery right here in Canada, we ensure that our products meet the highest standards of quality and reliability. Additionally, our local presence enables us to offer exceptional after-sales service, ensuring that our customers receive prompt and effective support whenever they need it.

At Hightech Industry Group, we are not just manufacturing machinery; we are shaping the future of the industry with innovation, precision, and dedication. Explore our solutions and experience the difference of working with a global leader in manufacturing technology.

Solution

Bending
Welding
Cutting



HT1
Bending Machine

06



08

HT3
Bending Machine

HT Pro
Bending Machine

10

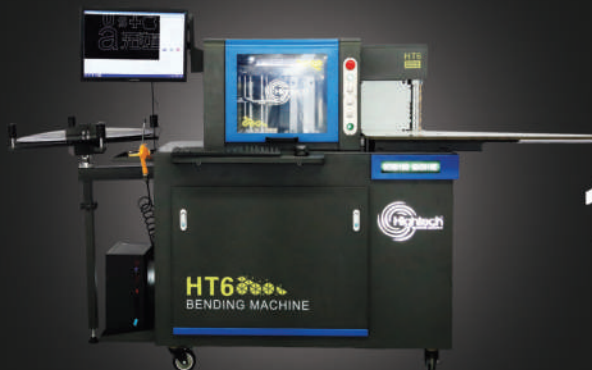


12

HT Z5
Bending Machine

HTXM6
Bending Machine

14



16

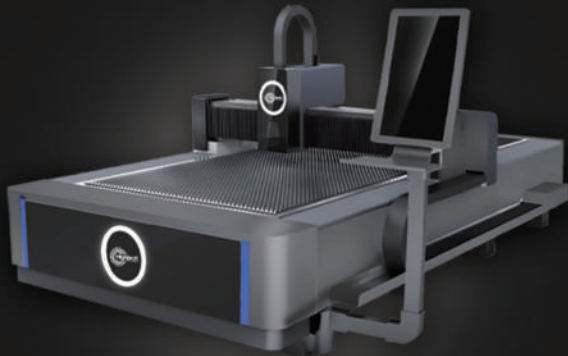
HT6
Bending Machine

YAG Laser
Welding Machine

18

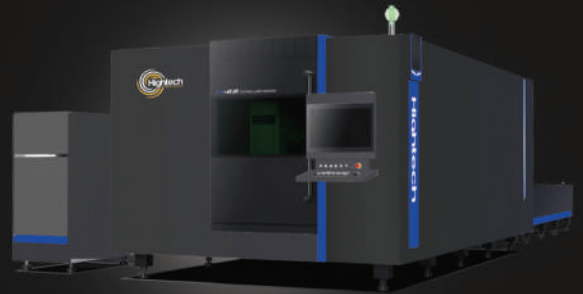


Fiber Laser
Welding machine **20**



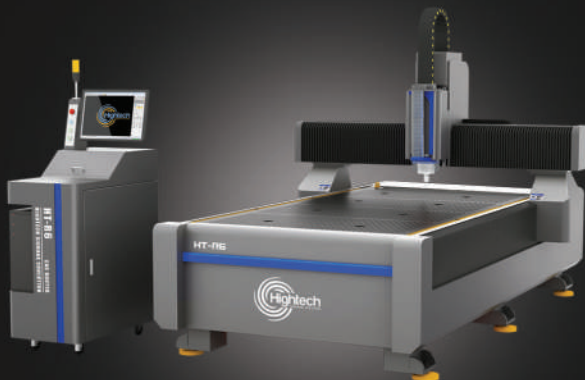
22 Fiber Laser Cutting Machine

Fiber Laser Cutting Machine
(Heavy Duty Series) **24**



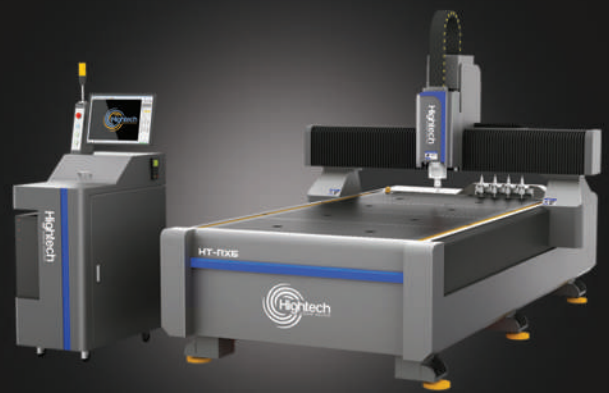
26 CO2 Laser Cutting Machine

HT R3 CNC
Router Machine **28**



30 HT R6 CNC
Router Machine

HT-RX6 CNC
Router Machine **32**



HT1 Channel Letter Bending Machine



Features

Multi-Material & Profile Support: Handles various aluminum types and complex extrusion profiles.

Fast & Precise: High-speed operation with accurate positioning and real-time monitoring for consistent results.

Affordable: Cost-effective design with modular components and energy efficiency to reduce operational costs.

Fully Automated: Software-driven calibration, process monitoring, and a user-friendly interface for effortless operation.

Letters Sample



Technical Parameter

7

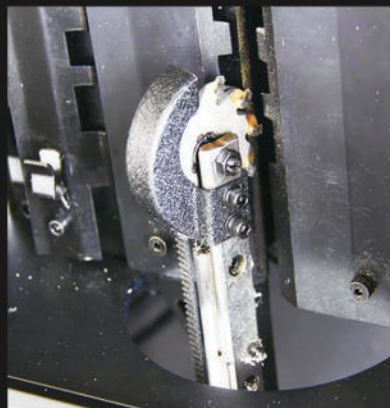
Slotting System	Milling cutter
Bending System	Double alternate grooved cylinder
Feeding System	Rolling feeding device
Cutting Depth Calibration	By software
Suitable Material	Channelume, Let R Edge, Flat Aluminum Coil, Folded Aluminum Coils, U type and Arrow type Extrusion Profile
Height of Material	10 ~135 mm (0.4"~5.3")
Material Thickness	0.3 ~1.2 mm (0.01"~0.05")
Accuracy	±0.1mm (±0.004")
Input File Format	*.PLT - *.dxf
Power	AC 220V / 60Hz
Source	0.6m ³ /min (21.2 ft ³ /min)
Size	1380*760*1540mm (54"x30"x61")
Weight	350kg (770 lb)

Product Details

- Double Grooved Cylinder



- Milling Cutter



- Rolling Feeding Device



HT3 Channel Letter Bending Machine



Features

Strong and durable planer knife.

Suitable for all flat metals.

Very accurate and suitable for tiny Steel letters.

Ability to adjust the speed to 3 modes: very accurate, precise and normal.

Letters Sample



Technical Parameter

9

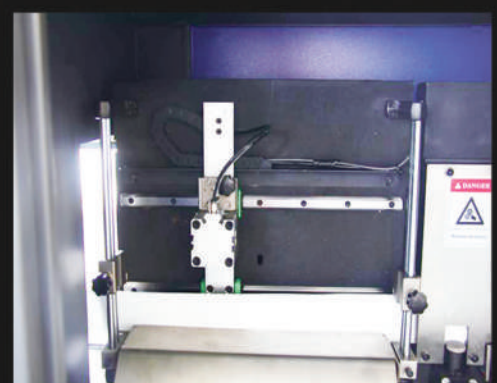
Slotting System	Planer knife slotting system
Bending System	Double blade alternate bending system
Feeding System	Circulation clamp feeding system
Suitable Material	Stainless steel, Iron, Galvanized sheet, Flat aluminum $\leq 1.2\text{mm}$ (0.05")
Height of Material	10~130mm (0.4"~5.1") (200mm (7.9") optional)
Size Accuracy	$\pm 0.1\text{mm}$ (0.004")
Input File Format	*.dxf , *.AI
Power	AC220V / 60Hz / 2.4KW
Air Source	0.6m ³ /min (21.2 ft ³)
Size	1700*1600*900mm (67"x63"x35")
Weight	470kg (1036lb)

Product details

● Double blade bending system

● Planer knife slotting system

● Circulation clamp feeding system



HTPro Channel Letter Bending Machine



Features

Multifunctional bending machine.

Combination of HT1 and HT3.

Suitable for all aluminum strips, profiles and stainless steel.

Two separate bending and slotting system.

Letters Sample



Technical Parameter

11

Slotting System	Milling cutter & Planner knife
Bending System	Double roller grooved cylinder & double alternate blade
Feeding System	Rolling feeding device
Cutting Depth Calibration	By software
Suitable Material	Stainless Steel, Channelume, Single Edge, Aluminum Extrusion profile and all flat metals
Height of Material	160mm (6.3") or 200mm (7.9")
Material Thickness	0.3~1.5mm (0.01"~0.06")
Size Accuracy	±0.1mm (0.004")
Input File Format	*.dxf , *.AI
Power	AC220V / 60Hz / 1KW
Source	0.6m ³ /min (21.2ft ³)
Size	1950*820*1780mm (77"x32"x70")
Weight	580kg (1279lb)

Product details

- Two type bending system
- Rolling feeding system
- Planer knif & milling cutter sloting system



HTZ5 Notching & Flanging Bending Machine



Features

Automatic Feeding and Bending: Automates metal strip feeding and bending for efficient production.

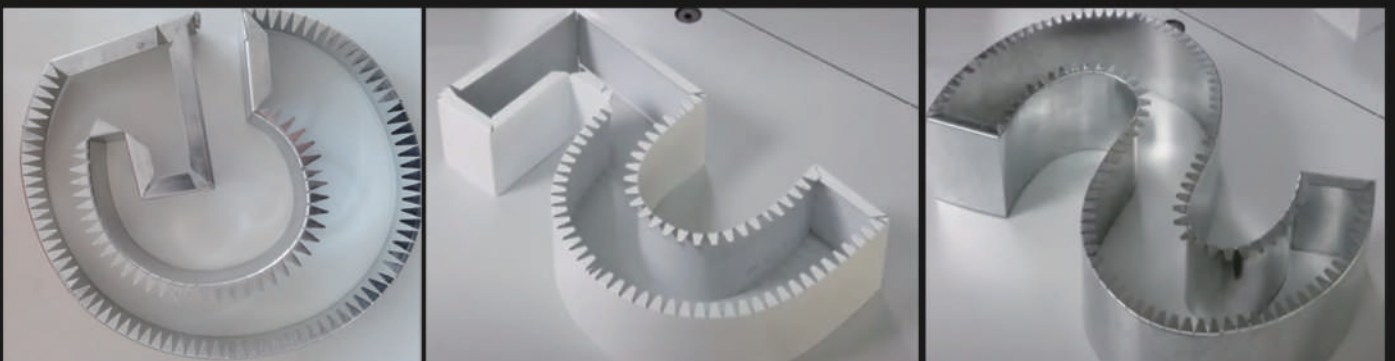
Precision and CNC Control: Ensures accurate bending with CNC integration for complex designs.

Multi-Functionality: Handles notching and flanging to create smooth bends and flanges for assembly.

Material Compatibility: Works with various materials like aluminum and stainless steel.

Adjustable Bending Radius: Allows for both sharp corners and smooth curves.

Letters Sample

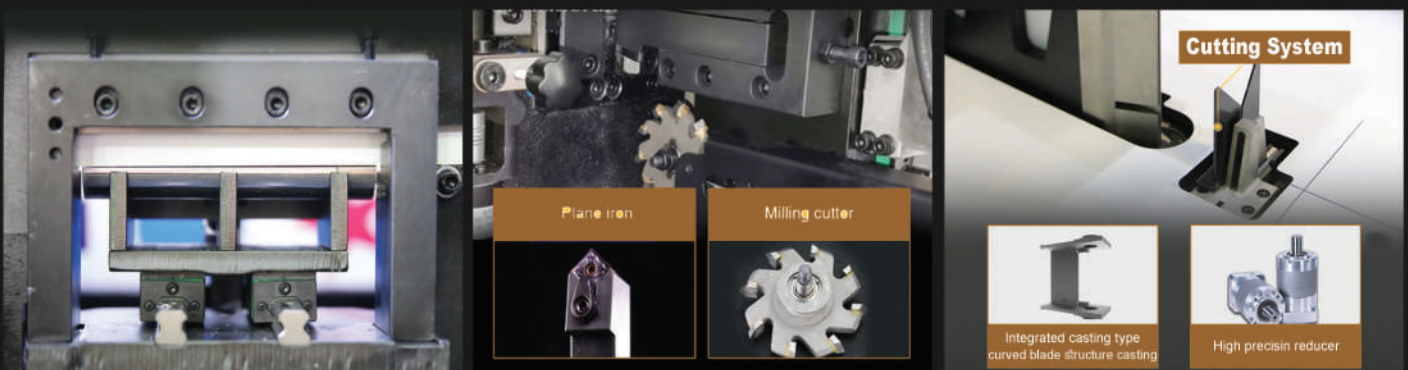


Technical Parameter

13

Slotting System	Planer knife slotting system
Bending System	Double blade alternating bending system
Feeding System	Circulation clamp feeding system
Processing Width	20-200mm (0.8"-7.8")
Processing Thickness	Scissor teeth folding: 0.4-0.8mm (0.02"-0.031")
	Without cutting teeth and folding: 0.4-1.2mm (0.03"-0.05")
Processing Material	Aluminum plate
	Stainless steel, Galvanized sheet, Aluminum plate
Cut the Tooth Angle	Stainless steel, Galvanized sheet, Aluminum plate
Min Bend Angle	R6mm
Power	3.5KW
Overall Dimension	3200mm*1250mm*1500mm (126"x49"x59")
Weight	800kg (1764lb)
Power Supply	AC 220V 60Hz
Air Source	0.6m³/min (21.2ft³/min)

Product Details



HTXM6 Bending Machine



Features

Powerful Milling Cutter: For precise processing of thick materials.

Durable Planer Knife: Long-lasting and reliable for slotting.

Heavy-Duty Performance: Handles large and substantial signs effortlessly.

Precision Engineering: Ensures accurate and high-quality results.

Best Option for Huge Signs: Ideal for creating and bending large-scale signage.

Versatile Use: Suitable for various materials and sign sizes.

Sample Letters



Technical Parameter

15

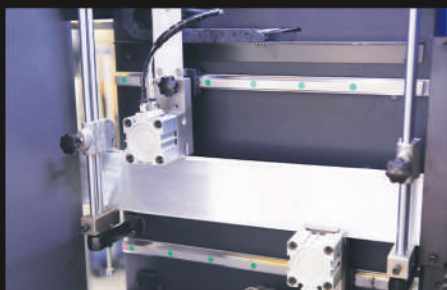
Motor System	4 axis made in Japan Fuji Servo Motor
Slotting System	Planer slotting system+ Milling cutter slotting system
Feed System	Integral casting manipulator feeding system
Bending System	Integral cast double knife alternating bending system
Suitable Material	Flat Aluminum Return, Stainless Steel, Galvanized Plates, Metal Trim Cap and Korean Extrusion profile
Feeding Thickness	0.5mm - 1.3mm (0.02" - 0.05")
Feeding Height	2mm - 203mm (0.08" - 8")
Minimum Bending Angle	R6
Power Source	AC 220v 60Hz - 3.5KW
Air Source	0.6 m ³ /min (21ft ³ /min)
Packing Size	2464x1270x2007mm (97"X50"X79")
Weight	862Kg (1900 lb)

Product Details

● Clamping Feed System

● Planer Slotting System

● Milling Cutter Slotting System



HT6 Bending Machine



Features

Multi-Material & Profile Support: Handles various aluminum types and complex extrusion profiles.

Fast & Precise: High-speed operation with accurate positioning and real-time monitoring for consistent results.

Affordable: Cost-effective design with modular components and energy efficiency to reduce operational costs.

Fully Automated: Software-driven calibration, process monitoring, and a user-friendly interface for effortless operation.

Letters Sample

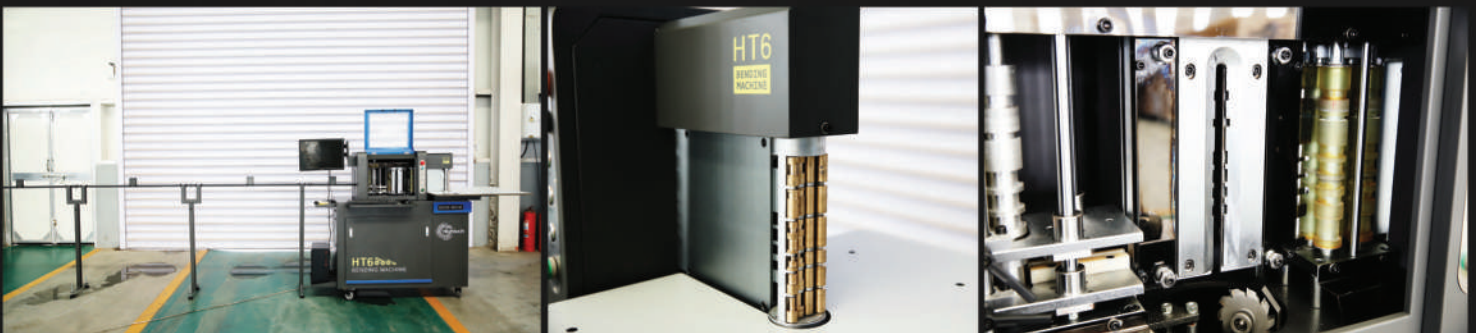


Technical Parameter

17

Slotting System	Milling cutter slotting system
Bending System	Double alternate grooved cylinder
Feeding System	Rolling feeding device
Cutting Depth Calibration	By software
Suitable Material	Flat Aluminum Return, Channelume, LET R Edge Metal Trim Cap and Korean Extrusion profile
Height of Material	10 ~180mm (0.4"~7")
Material Thickness	0.3 ~1.2 mm (0.01"~0.05")
Accuracy	±0.1mm (±0.004")
Input File Format	*.PLT - *.dxf
Power	AC 220V / 60Hz
Source	0.6m³/min (21.2 ft³/min)
Size	1380*760*1540mm (54"x30"x61")
Weight	350kg (771 lb)
Feeding Height	2mm - 100mm (0.08"-8")

Product Details



YAG Laser Welding Machine



Product Information

High Precision: Ideal for welding small parts, such as mini letters and intricate designs.

Good Beam Quality: Ensures deep penetration and strong welds, perfect for stainless steel letters and frames.

Versatile Material Compatibility: Welds stainless steel, aluminum, titanium, and some plastics.

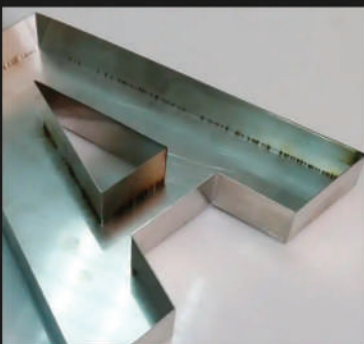
Pulse Mode Operation: Controls heat input, minimizing distortion.

High Efficiency: Lower energy consumption with stable output.

Compact and Easy to Automate: Suitable for integration into production lines.

Low Maintenance: Requires less upkeep, reducing operational costs.

Sample Letters



Technical Parameter

19

Max Laser Power	300W / 500W
Laser Wave Length	1064nm
Monopulse Max Power	300W: 110J / 500W: 180J
Laser Welding Depth	300W: Max 2.5mm (1/8") 500W: Max 4.5mm (3/16")
Pulse Width	0.1-20ms
Laser Welding Frequency	1-60Hz
Laser Spot Size Adjusting Range	0.2-3.0mm (0.008"-0.118")
Whole Power Consumption	300W: ≤7.5KW 500W: ≤16KW
Working Table	2100*1700mm (83"x67")
Sight Positioning:	10X CCD synchronism high definition camera
Laser Device Vertical Travel	≥200mm (≥8")
Laser Device Horizontal Direction	200-800mm (8"x32")
Length of Optical Cable	≥5m (≥197")
Size	1700*1300*1400mm (67"x51"x55")
Weight	300W: 350kg (772lb) 500W: 540kg (1191lb)

Product Details



Fiber Laser Welding Machine (4 in 1)



Product Information

High Precision: Provides extremely accurate welds, ideal for applications requiring tight tolerances.

Non-Contact Process: The laser beam doesn't touch the material, reducing contamination and tool wear.

Deep Penetration Welding: Capable of creating deep welds with high aspect ratios, suitable for tough materials.

Automated Operation: Often includes automated systems for integration into production lines, enhancing consistency.

Flexible and Versatile: Can weld various materials and thicknesses, adaptable for different types of joints.

Low Heat Input: Minimizes heat-affected zones, reducing the risk of warping or distortion.

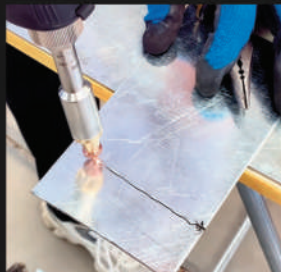
High Speed: Faster welding speeds increase production efficiency.

Energy Efficiency: Converts electrical power into laser energy, reducing operational costs.

Minimal Maintenance: Fewer moving parts result in less maintenance and higher reliability.

4-in-1 Capability: Functions include welding, rust cleaning, cutting, and weld bead cleaning.

Function Samples



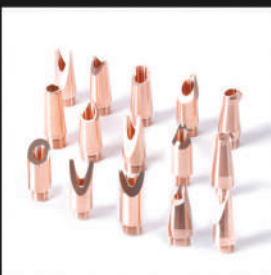
Technical Parameter

21

Product Model	Fiber Laser Welding Machine		
Equipment Dimensions	1600*610*1050mm (63"x24"x41")		
Weight	220-260Kg (485lb-573lb)		
Optical Fiber Laser	Hightech / Maxphotonics Industrial Edition		
Chiller	Hightech / S&A		
Control System	Supporting system, built-in craft package, easy to get started		
Machine Cabinet	Hightech, industrial-grade anti-jamming cabinet		
Wire Feeder	Double-drive wire feeder, precise and adjustable speed, smooth wire feeding		
Welding Thickness	Stainless Steel	Carbon Steel	Aluminium
1000W	3mm (1/8")	3mm (1/8")	2mm (3/32")
1500W	4mm (3/16")	4mm (3/16")	3mm (1/8")
2000W	6mm (1/4")	6mm (1/4")	4mm (3/16")
3000W	9mm (3/8")	9mm (3/8")	6mm (1/4")

Product Details

● Welding nozzles



● Handheld welding gun



● Welding wire feeder

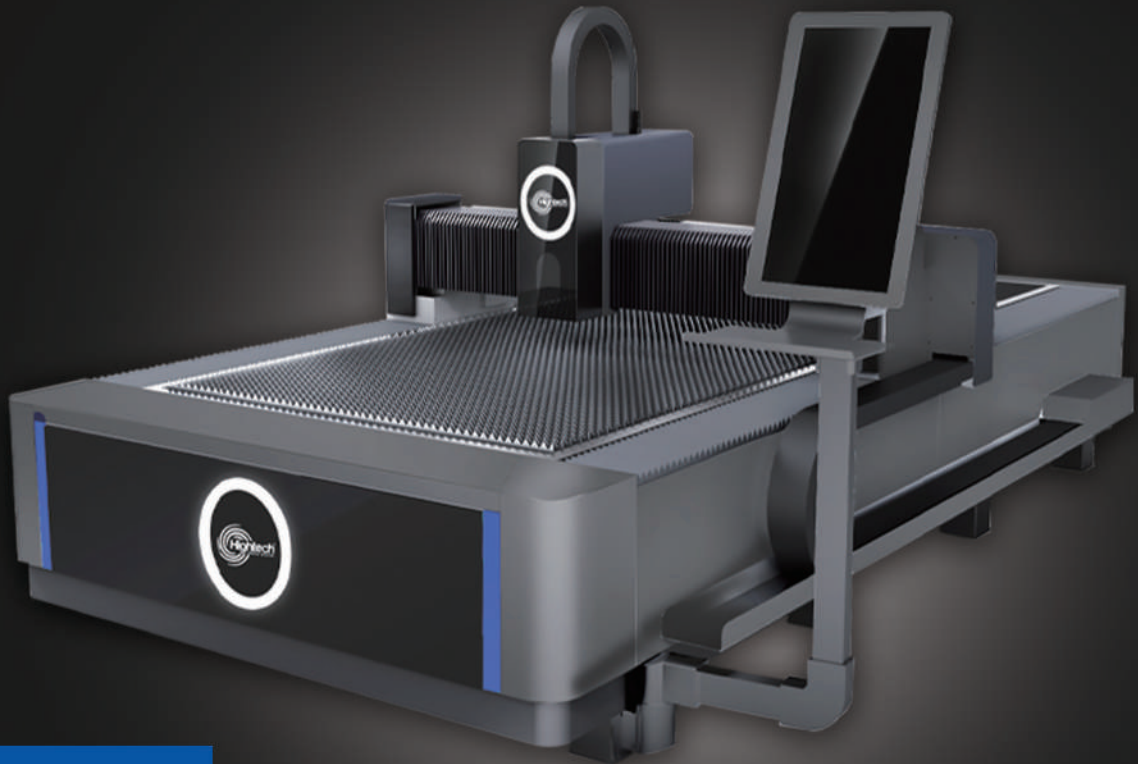


● Control system



Fiber Laser Cutting Machine

22



Features

Laser Power and Speed:

- High-Power Lasers: 1 kW to 6 kW for various material thicknesses.
- Adjustable Speed and Power: Optimized for different materials and thicknesses.

Precision and Accuracy:

- High Accuracy: Positioning accuracy of $\pm 0.03\text{mm}$, repeatability of $\pm 0.02\text{mm}$.
- Advanced CNC Control: User-friendly touchscreen interface with remote monitoring.

Material Versatility:

- Wide Material Compatibility: Cuts stainless steel, carbon steel, aluminum, brass, and more.
- Handles Thick Materials: Up to 2 inches thickness.

Automatic and Safety Features:

- Auto-Focusing and Nesting: For efficiency and material optimization.
- Safety Enclosure: Enclosed design with fume extraction and emergency stop button.

Durability and Efficiency:

- Sturdy Construction: Minimizes vibrations, ensuring long lifespan.
- Energy Efficiency: Power-saving modes and efficient cooling system.

Cutting Samples

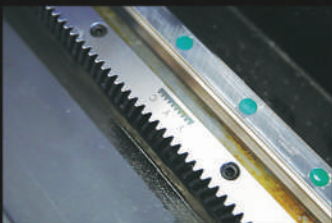


Technical Parameter

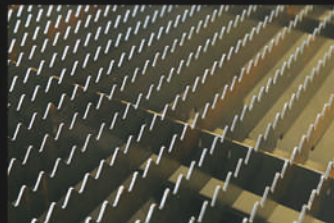
23

Item	Parameter			
	1.5 KW	2 KW	3 KW	6 KW
Work Area	3000*1500mm (118"x59")			
X-axis Travel	1500mm (59")			
Z-axis Travel	80mm (3.15")			
Positioning Accuracy	±0.05mm (0.002")			
Repeated Positioning	±0.02mm (0.001")			
Maximum Speed	60m/min (236"/min)			
Maximum Acceleration	0.4G (12.87ft/S ²)			
Machine Total Weight	1200Kg (2646lb)			
Table Maximum Load	700Kg (1543lb)			
Outlinesize	3900mm*2760mm*1650mm (154"x109"x65")			
Power Parameters	Three-phase AC380V//60Hz			
Protection Level of Total PowerSupply	IP54			

Product Details



● YYC guideway Racks and transmission system



● Knife platform



● High strength machine bed



● Strong Aviation Aluminum Beam



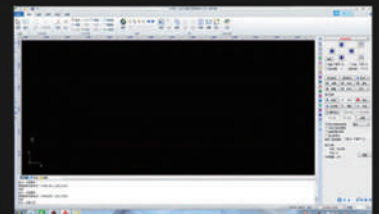
● Raycus Laser Device



● Raytools Laser cutting head



● Hanli water chille cooling system



● FSCUT control system

Fiber Laser Cutting Machine(Heavy Duty Series)

24



Features

High Cutting Speed & Precision:

- Fast and accurate cuts, even on thick materials like steel and aluminum.

Automatic Focus Adjustment:

- Adapts to different materials and thicknesses for optimal cutting quality.

Advanced Cooling System:

- Manages heat efficiently, ensuring consistent performance.

Robust Structure:

- Strong frame to handle high energy output and minimize vibrations.

Safety Features:

- Includes protective enclosures, collision protection, and emergency stop functions.

Energy Efficiency:

- Optimized to reduce operational costs while maintaining high power.

Cutting Samples

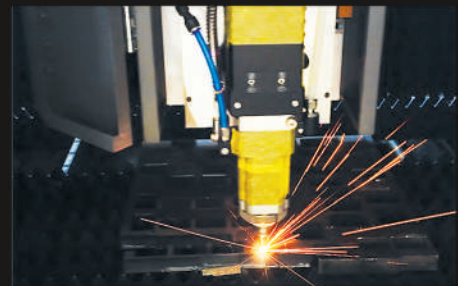


Technical Parameter

25

Fiber Laser Source	6 KW to 30 KW
Laser Head	BLT 421H
Control System	Cypcut 4000E
Proportional Valve (O2, N2)	Japan SMC
Cooling System	1000 Watt to 3000 watt Water cooling system
Laser wavelength	1080 nm
Z Axis Stroke	300 mm
Max Idle Speed	120 m/min
Max Acceleration	1.5G
Positioning Accuracy	±0.03 mm
Re-Positioning Accuracy	±0.02 mm
Lubrication System	One Touch Automatic Lubrication
Total Power Consumptio	<23 KW
Power Supply	Three Phase/380V/50-60Hz
Gross Weight	6200KG
Machine Size	40'x10'x8' (ft)

Product Details



CO2 Laser Cutting Machine



Applicable Materias

High Precision: Accurate engraving and cutting for detailed designs.

Adjustable Power: Customizable settings for various materials.

Large Work Area: Accommodates large projects.

High-Speed Processing: Quick operation without sacrificing accuracy.

Multi-Material Compatibility: Cuts and engraves wood, acrylic, fabric, etc.

User-Friendly Software: Supports multiple file formats.

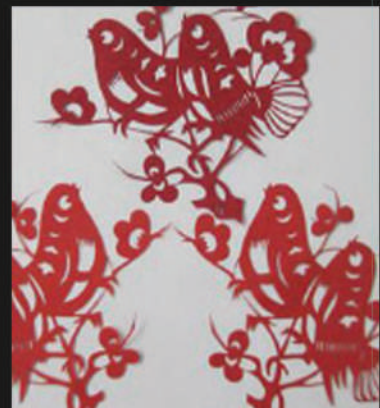
Auto-Focus: Ensures optimal engraving depth.

Built-In Cooling: Maintains stable laser operation.

Safety Features: Includes protective housing and emergency stop.

Exhaust System: Efficiently removes smoke and fumes.

Scope of Material



Technical Parameter

27

Laser Type	Hightech / Reci / Yongli
Laser Power	60W,80W,100W,130W,150W,180W, 250W
Machine Model	6040 , 9060, 1390, 1325, 1530
Working Voltage	AC 220V±10%, 60HZ
Control System	DSP Control Technology of Ruida System
Transmission Mode	Synchronous belt transmission
Laser	Double Headed to Improve Efficiency
Positioning Accuracy	≤±0.05mm (0.002")
Cutting Speed	0-1200mm/s (0-47"/s)
Positioning Accuracy	0-600mm/s (0-24"/s)
Overall Power	<2.5KW
Processing Surface	1300x2500mm (51"x98")

Technical Parameter

- Square pipe welding heavy bed CNC



- Laser Head



- CO2 Laser Source



HT-R3 CNC Router Machine



Machine Features

Robust Structure: Welded steel base and precise XY guide rail ensure stability during high-speed operations.

High-Torque Spindle: 3.2 kW water-cooled spindle for fast, accurate cutting.

LEADSHINE Drive: 450A drive delivers large torque, high precision, and stable performance.

Precision Transmission: XY linear guide rail and Taiwan TBI ball screw on Z-axis for accurate cutting.

Smooth Operation: Fine rack and pinion system for smooth, high-speed performance.

Versatile Control: Board control system compatible with CAD/CAM software for 3D carving and cutting.

Scope of Application

PVC

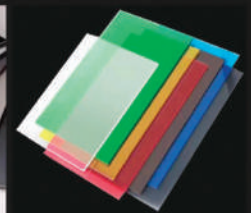
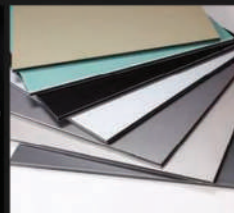
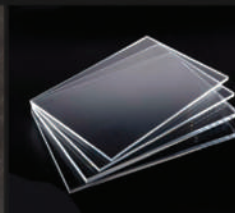
Wood

MDF

Acrylic Sheets

ACP

Polycarbonate Sheet

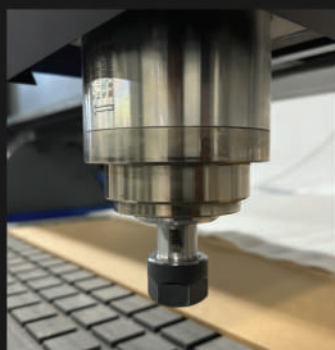


Technical Parameter

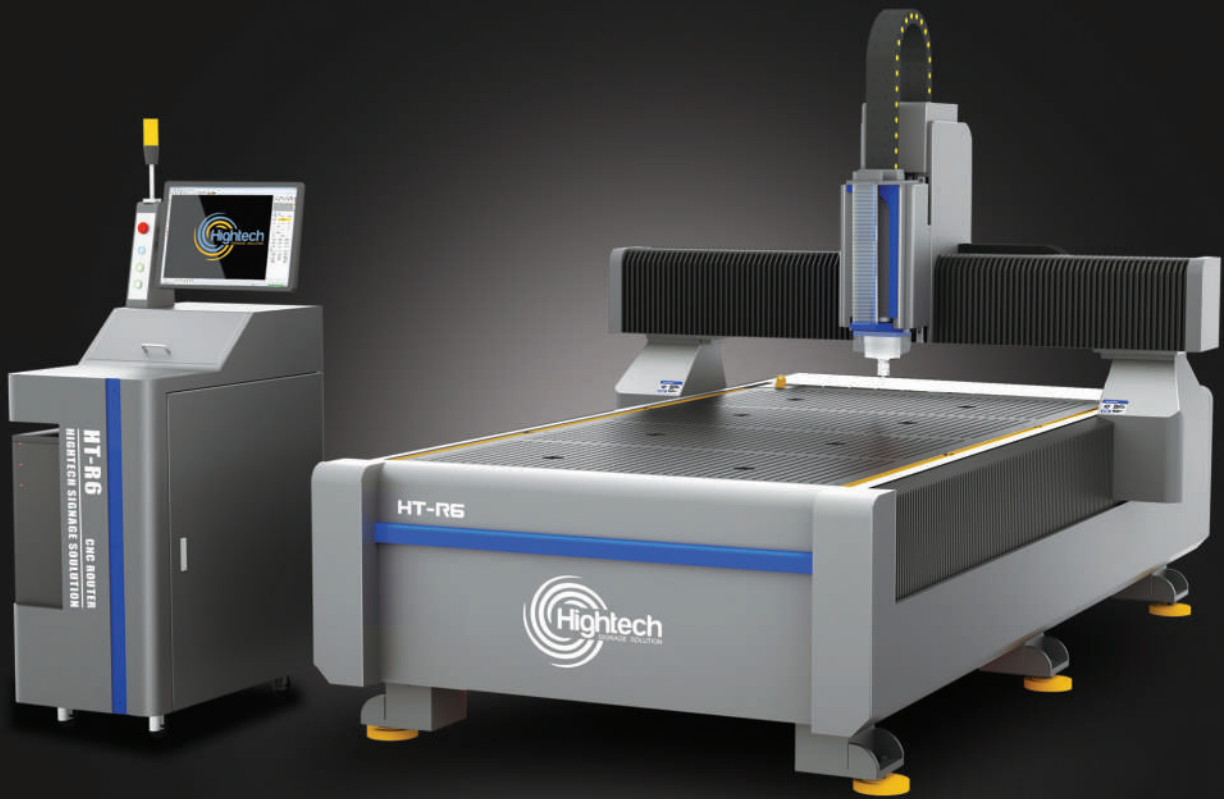
29

Working Size	1300x2500mm (4'x8')	1500x3000mm (5'x10')
Machine Dimensions	2100x3100x1650mm (83"x122"x65")	2280x3650x1700mm (90"x144"x67")
Feeding Height	190mm (7.5")	
Duplicate Targeting	$\pm 0.025\text{mm}$ ($\pm 0.001"$)	
Spindle Power	3.2KW water-cooled spindle	
Working Table	Aluminum alloy table	
Operating Voltage	220V / 60Hz	
Operating System	Leadshine High-Speed Drive	
Transmission Mode	Grinding gear rack and square guide rail	
Operating System & Software	Win7 system, 32 bit, MDR CNC	
Vacuum System	2x2.2 KW Industrial vacuum pump	
Tool Shank Diameter	1/8" 3/16" 1/4" 3/8" 1/2"	
Shock Absorption Method	Earth-center shock-absorbing feet	
Components	French Schneider, CHNT	
Consumable Parts	Bits, Knives, Steel Collet holders, protective sheet	

Product Details



HT-R6 CNC Router Machine



Features

Robust Structure: Welded steel base and precision XY guide rail ensure stability during high-speed operations.

Powerful Spindle: 6 kW air-cooled spindle for fast and accurate cutting.

A11 Drive System: Provides large torque and high precision for demanding tasks.

Precision Transmission: XY linear guide rail and Taiwan TBI ball screw on the Z-axis ensure accurate cutting.

Smooth Operation: Fine grinding rack and pinion system for smooth, high-speed performance.

Versatile Control: Operates with RD CNC software and Bluetooth DSP for flexible control.

Advanced Conversion: 5 kW converter with anti-interference technology ensures stable operation.

High-Quality Tools: Equipped with tools made in Italy for superior performance.

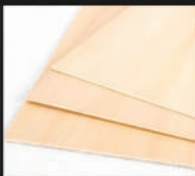
Budget-Friendly: Suitable for heavy-duty industry while being cost-effective.

Scope of Application

PVC



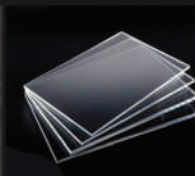
Wood



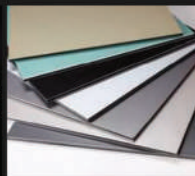
MDF



Acrylic Sheets



ACP



Polycarbonate Sheet



Aluminium



Technical Parameter

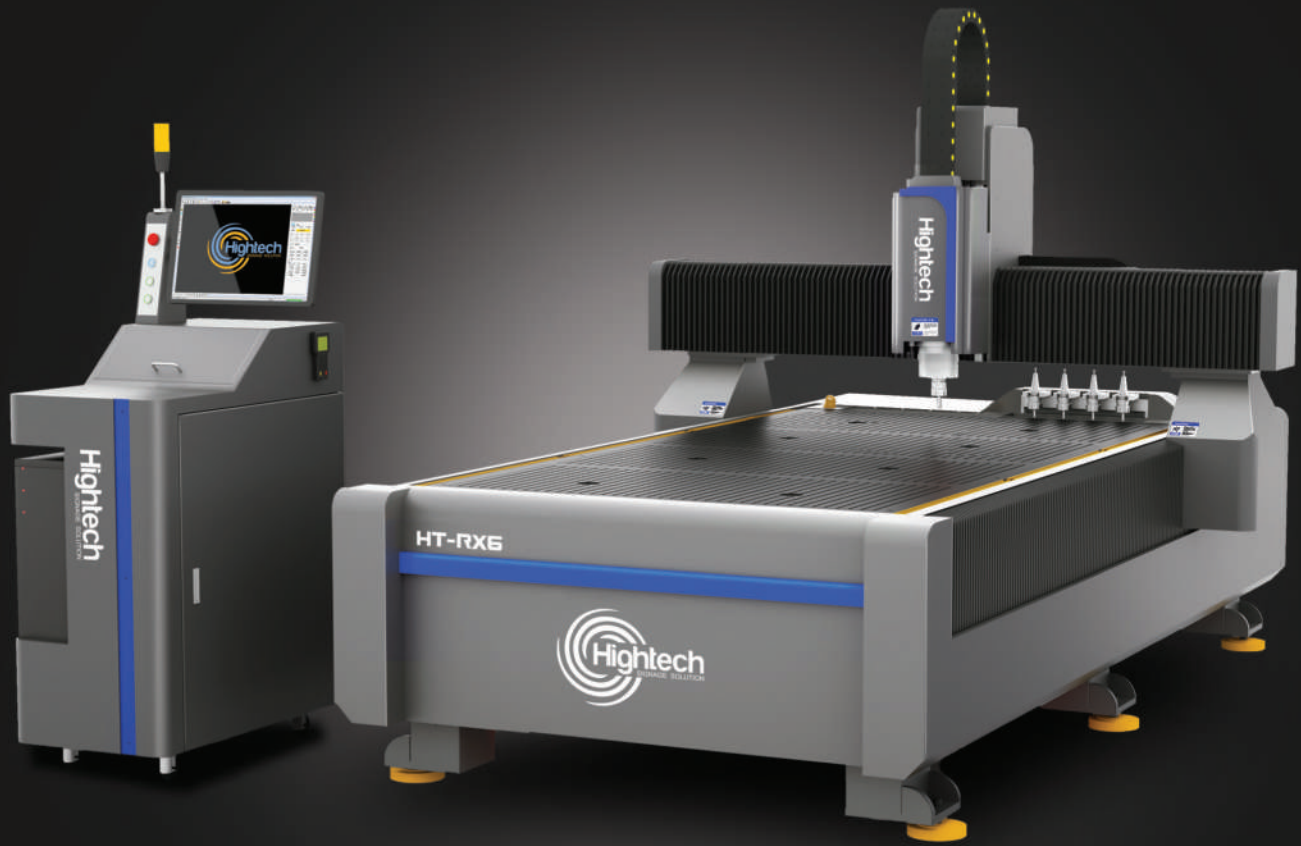
31

Working Size	1300x2500mm (4'x8')	1500x3000mm (5'x10')
Machine Dimensions	2100x3100x1650mm (83"x122"x65")	2280x3650x1700mm (90"x144"x67")
Feeding Height	200mm (8")	
Duplicate Targeting	±0.02mm (0.001")	
Spindle Power	Italian HSD 6.0KW air-cooled spindle	
Spindle Speed	1-18000 rpm	
Tool Magazine	Manual tool change	
Spindle Cooling	CW3000 chiller	
Control System	A11 handle control system	
Frequency Converter	5.5KW	
Machine Bed	Welded by Hightech independently developed industrial thick-walled steel pipes	
Operating Voltage	AC 220V/60Hz	
Shock Absorption Method	Earth-center shock-absorbing feet	
Running Speed	40 m/min (1575"/min)	
Processing Speed	20m/min (787"/min) (depends on material)	
Tool Shank Diameter	1/8" 3/16" 1/4" 3/8" 1/2"	

Machine Configuration

The machine tool structure adopts Italian machine tools and classic design, and runs smoothly to avoid distortion of the motor if there is an alarm in the dual motor drive during high-speed processing. The bed base is seamlessly welded by high-quality steel pipes to ensure its high stability.

HT RX6 CNC Router Machine



Features

Robust Design: Italian-inspired structure with high stability and precision machining for long-lasting performance.

Powerful Spindle: 7.5kW high-torque water-cooled spindle ensures precise high-speed cutting.

Precision Transmission: X and Y axes with 2.5 linear guides; Z axis with TBI ball screw for accurate cuts.

Automatic Lubrication: Centralized oil supply system extends component lifespan.

Vacuum Table: Maintenance-free vacuum adsorption table for versatile material clamping.

Advanced Drive System: 750W AC servo motors with high-precision planetary reducers for fast, stable performance.

Control System: NK280 control system, compatible with various CAD/CAM software, supports smooth 3D processing.

Scope of Application

PVC



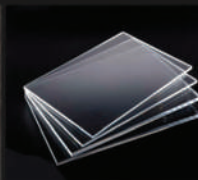
Wood



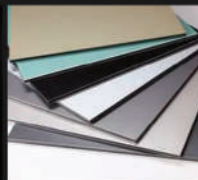
MDF



Acrylic Sheets



ACP



Polycarbonate Sheet



Aluminium



Technical Parameter

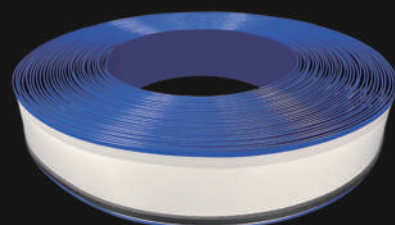
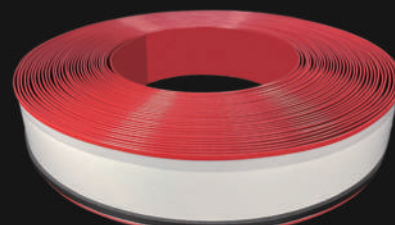
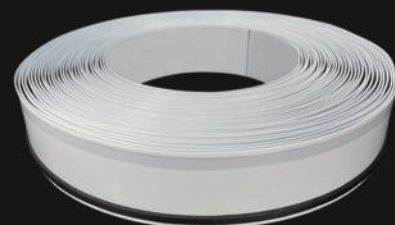
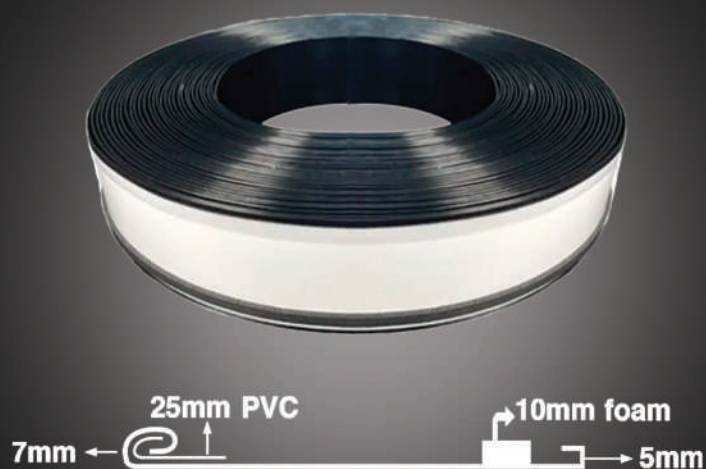
33

Workbench Area	1300mmx2500mm (51"x98")
Feeding Height	200mm (8")
Duplicate Targeting	±0.02mm (0.001")
Spindle Power	7.5KW constant power high torque water cooled tool
Bed Frame	Independently develops industrial thickwalled steel pipe welding and aging treatment
Tool Magazine	4-8 tool magazines in the rear row
Spindle Cooling	CW3000 chiller
Control System	NK280 control system
Frequency Converter	7.5KW
Spindle Speed	0-24000 rpm
Operating Voltage	AC 220V/60Hz
Operating Speed	40m/min (1575"/min)
Processing Speed	20m/min (787"/min) (depending on the material)
Tool Shank Diameter	1/8" 3/16" 1/4" 3/8" 1/2"
Working Mode	750W AC servo drive x 4 sets

Product Details

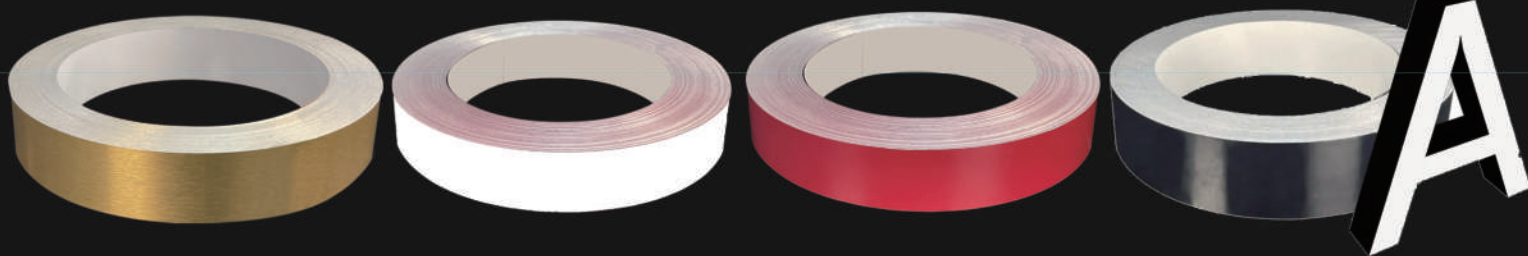


Letterume

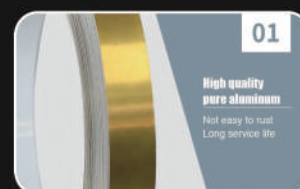


Width	3.5", 4.5"
Length/Roll	164 ft
Length/Roll	White / Black / Red / Green / Blue / Yellow Silver / Gld / Mirror Silver / Mirror Gold Brushed Silver Brushed Gold / Brushed Rose Gold

Flat Aluminum



Width	2.5", 3", 3.5", 4", 4.7", 5.3"
Thickness	0.032", 0.04", 0.05"
Length/Roll	270', 330'
Colour	White / Black / Red / Green / Blue / Yellow Silver / Gld / Mirror Silver / Mirror Gold Brushed Silver Brushed Gold / Brushed Rose Gold



AB Glue

35



AB Glue is a high-quality adhesive perfect for bonding various signage materials. Trust this reliable product for a strong and long-lasting hold.

- * **Type:** Liquid
- * **Application:** Stainless steel, Aluminum, Acrylic, PVC, etc...
- * **Color:** Transparent

Magnet



Strong Magnets

Application: Fixed in making channel letter
Size: 25mm, 35mm, 57X39X105mm





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