



20+ YEARS OF
UNPARALLELED QUALITY

METAL TECH SOLUTION

Total Metal Technology Solution



Modina Nogar, Konakhola,
Keranigonj, Dhaka, Bangladesh.

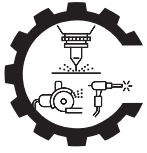


+880 1404429482
+880 1914252536



www.metaltechsolution.com
www.hidgar.com

A CONCERN OF CONFIX GROUP



MTS
METAL TECH SOLUTION LTD.

**Our Machines Make
Your Dreams Real**

20

—Years of—
Excellence

With over 20 years of expertise, innovation, and unmatched quality, Metal Tech Solution (MTS) has transformed Bangladesh's metalworking industry by introducing advanced technology and comprehensive services. More than just a supplier, MTS delivers tailored solutions, making it the go-to brand for all metal processing needs.

As the only premium brand in Bangladesh's metal processing sector, MTS partners with top international brands to provide European-quality machinery, serving businesses of all sizes. Through consultancy, cutting-edge equipment, and dedicated support, MTS modernizes workplaces and helps clients turn visions into reality.

Unlike conventional traders, MTS takes a meticulous, solutions-driven approach—scouting, planning, and delivering complete metalworking solutions. Addressing the industry's lack of after-sales support, MTS has built the country's most skilled engineering team, ensuring long-term client satisfaction.

Beyond machinery supply, MTS stays engaged throughout a client's journey, offering research, planning, servicing, and certification support, including Six Sigma, Kaizen, and ISO. As Bangladesh's only holistic metalworking solutions provider, MTS remains committed to quality, precision, and innovation, setting new industry benchmarks.



Service We Provide

- Consultancy for Production Line Setup
- Factory Layout Plan from INPUT to OUTPUT.
- Production Process Optimization
- Supply of Machines
- Machine Operations Training
- After Sales Service
- Spare Parts & Accessories
- Support for Lean Manufacturing Implementation (5S, Six Sigma, Kaizen Method)
- Support for Continuous Production Development



Technology We Provide

- Metal Cutting Solution
- Metal Welding Solution
- Metal Bending Solution
- Metal Cleaning Solution
- Metal Milling Solution
- Metal Shearing Solution

FOUNDER'S JOURNEY

The vision for Confix Group was born when its founder Md. Naimul Hossain Khan observed the challenges faced by stakeholders in Bangladesh's material processing industry. Recognizing the need for a guiding hand to bring the industry into the modern era, the founder dedicated himself to acquiring extensive knowledge and training to foster growth, innovation, and adherence to safety and health standards. The technology landscape within the material processing industry is as vast as an ocean, with countless options and possibilities.



Md. Naimul Hossain Khan
CEO & Founder

Mr. Naimul completed his B.Sc. And M.Sc. in Physics from Aligarh Muslim University, India. He also achieved two more master's degrees: Master of Business Administration (MBA) in Marketing from Carnegie Mellon University (Tepper School of Business), USA (Under Management Scholarship from Robert Bosch GmbH) and Master of Science in Wood Technology from Rosenheim University of Applied Sciences. His academics has helped him become a master of the science of matter processing.

He started his career in 1996 at Robert Bosch GmbH (A Fortune 500 company with a turnover of EURO 92 billion and 4,29,416 employees worldwide) where he became the head of Robert Bosch Bangladesh. After leaving Bosch he fulfilled his dream of starting his own company Wood Tech Solution, and later on founded Confix Tech PLC, NHK Tech Drive, Metal Tech Solution (MTS), Glass Tech Solution (GTS), together which formed Confix Group. Confix Group now stands tall as the number one matter processing organization in Bangladesh.

Over the past 20 years, he has played a pivotal role in the development of all major furniture, door, board and procssing line of top industrial product brands in Bangladesh through his expert supervision and consultation. Under his guidance, manufacturing projects worth over Tk. 1,800 Crore have been successfully completed across the country. Beyond Bangladesh, his expertise has driven the successful completion of furniture, door, and board manufacturing projects valued at approximately US\$293 million in multiple countries worldwide. These include Vietnam, Indonesia, India, Pakistan, Sri Lanka, Nepal, the Philippines, UAE, Qatar, Jordan, Kuwait, Iran, Saudi Arabia, Oman, Turkey, Kenya, Nigeria, Egypt, Algeria, South Africa, Tanzania, Morocco, Malawi, Tunisia, Senegal, Poland, Romania, Russia, Ukraine, Sweden, Bulgaria, Mexico, Brazil, Argentina, and Canada.



Rafsan Hossain Khan
Director

Mr. Naimul's international renown and recognition in this industry has made him the highest paid wood working consultant in the world. Due to his immense contribution in the matter processing industry in Bangladesh, the government of Bangladesh has appointed him as the Chief Consultant of Bangladesh Forest Industries Development Corporation (BFIDC), under the ministry of Environment, Forest & Climate Change.

Following in Mr. Naimul's footsteps is his son Rafsan Hossain Khan, who is the future torch bearer of his legacy. Mr. Rafsan plans to lead Confix group into the new generation. As a software engineer and an avid technology and automation aficionado, Mr. Rafsan brings new ingenuity, poise and ideas into the foray. While the world changes and evolves, so does Confix Group, and Mr. Rafsan's leadership makes sure that Confix Group's legacy of passion and innovation remains ever-lit.

Hidgar provides top in class solutions for all forms of metal working, manufactured by state-of-the-art **German engineering**. Hidgar machineries are built with precision and ease of use in mind, upholding German heritage through its engineering and expertise. Hidgar's collective vision is to help the industry strive for perfection and meet all of their customer's needs through their exemplary range of products and portfolio.



Since its founding in 1976, Hidgar has embraced its German heritage by maintaining absolute precise engineering and quality assurance. They use advanced German engineering techniques which they have been perfecting since their beginning to produce all Hidgar machines, ensuring that the machines stay strong, rigid and endure even the toughest working conditions and order volumes.



Hidgar developed a comprehensive line of metal working products: Laser Cutting Machines, Laser Welding machines and Laser Cleaning Machines and much more. Being one of the oldest and best metal processing machinery manufactures in the world, Hidgar now expanded over **140 countries** through subsidiary offices & exclusive distributors.



FIBER LASER FOR SHEET CUTTING



Standard Fiber Laser Cutting Machine



High Value Fiber Laser Cutting Machine



Dual Fiber Laser Cutting Machine (Sheet & Tube)



Enclosed Fiber Laser Cutting Machine



Mini High Precision Laser Cutting Machine



Exchange Platform Laser Cutting Machine

IPG Laser Source

Raycus Laser Source

Max Laser Source



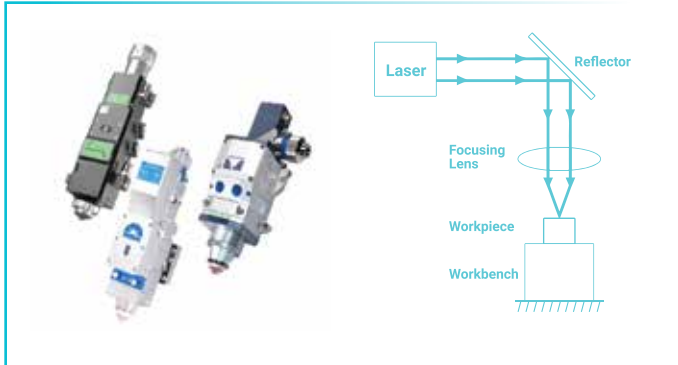
Powerful Precision

The laser source delivers high-powered beams that provide exceptional cutting accuracy. With its stable and consistent power output, it ensures clean and precise cuts even on thicker materials.

Cutting Speed Increase



Beam Efficiency Increase



Optimized Focus

The cutting head adjusts the laser beam's focus to maintain precision during complex cutting tasks. Its ability to handle various materials ensures top-quality results with minimal waste.

Stability

The aviation beam improves the machine's performance stability during cutting.

Speed

Its lightweight structure enables faster cutting speeds, reducing overall cycle time.

High Quality Moisture Tenoning Plate Welding Machine Bed

- Robust stability & rigidity for high-speed and precise cutting.
- Excellent corrosion & wear resistance in tough environments.
- High precision & reliability for complex processing needs.
- Easy maintenance with low costs and simplicity.



LIGHTWEIGHT STRENGTH

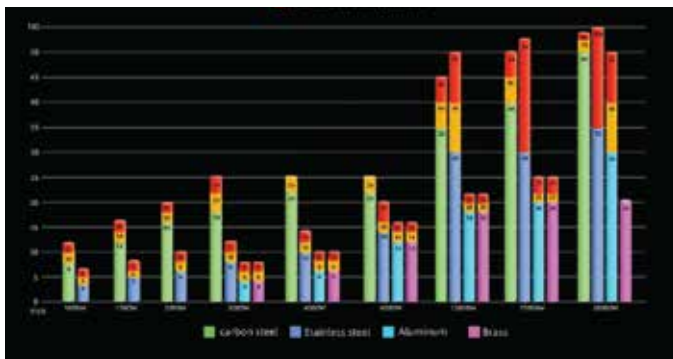
The aviation-grade beam reduces weight while maintaining high strength, allowing for faster cutting speeds. This lightweight design also enhances machine stability, resulting in smoother and more accurate cuts.



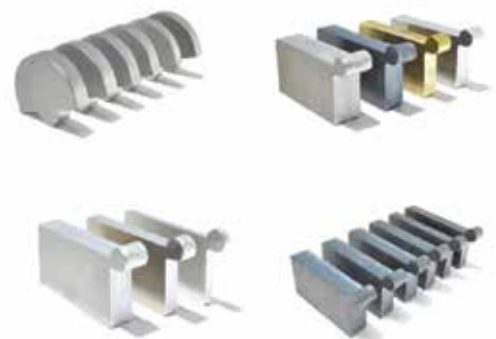
Standard Fiber Laser Cutting Machine

Mode	HD-3015B	HD-4020B	HD-6015B	HD-6025B
Working Area	3000*1500mm	4000*2000mm	6000*1500mm	6000*2500mm
X Y Z Axis Stroke	1520*3100*100mm	2040*4050*100mm	1520*6050*100mm	2510*6100*260mm
Laser PowerSupply	1500w,2000w, 3000w			
Maximum Acceleration	2G-5G			
Positioning Accuracy	±0.01mm			
Max, Traveling Speed	80-120m/min			
Laser Source	IPG/RAYCUS/MAX			
Laser Head	Precitec, Ray tools , WSX			
Control System	Ray tools XC3000s / Cypcut			
Servo Drive & Motor	Yaskawa, Fuji , Fanuc, Delta, Veichi & Leadshine ServoDriver & Motor.			
Linear Guide	HIWN (Taiwan)			
Voltage	380V 3PH 50/60HZ			

Key Parameters



Cutting Sample

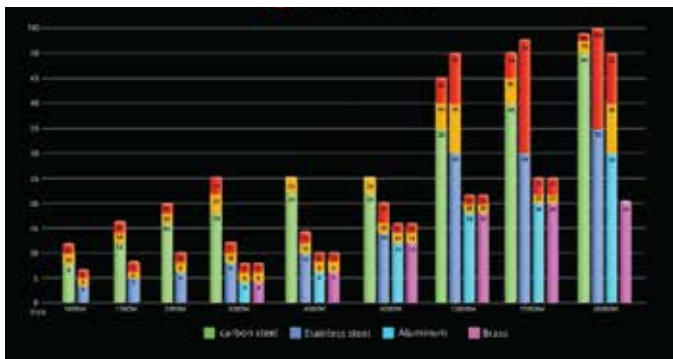




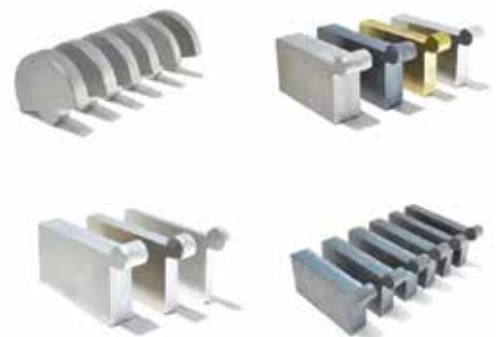
High Value Fiber Laser Cutting Machine

Modle	HD-3015H	HD-4020H	HD-6015H	HD-6025H
Working Area	3000*1500mm	4000*2000mm	6000*1500mm	6000*2500mm
X Y Z Axis Stroke	1520*3100*100mm	2040*4050*100mm	1520*6050*100mm	2510*6100*260mm
Laser PowerSupply	6000w, 12000w, 20000w,30000w,			
Maximum Acceleration	2G-5G			
Positioning Accuracy	±0.01mm			
Max, Traveling Speed	80-120m/min			
Laser Source	IPG/RAYCUS/MAX			
Laser Head	Precitec, Ray tools , WSX			
Control System	Ray tools XC3000s / Cypcut			
Servo Drive & Motor	Yaskawa, Fuji , Fanuc, Delta, Veichi & Leadshine ServoDriver & Motor.			
Linear Guide	HIWN (Taiwan)			
Voltage	380V 3PH 50/60HZ			

Key Parameters



Cutting Sample



FIBER LASER FOR TUBE CUTTING



Standard Laser Tube Cutting Machine



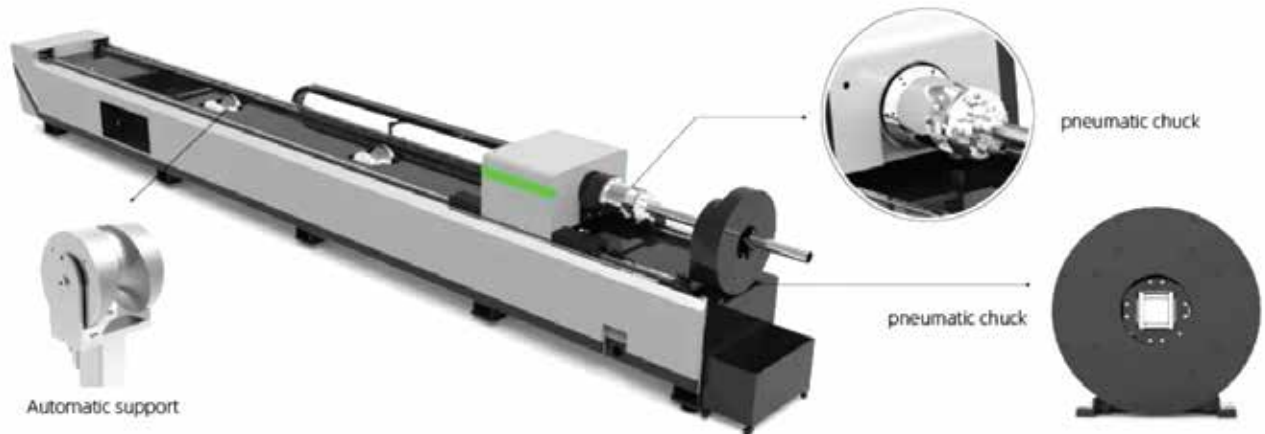
Economic Laser Tube Cutting Machine



Three Chuck Tube Fiber Laser Cutting

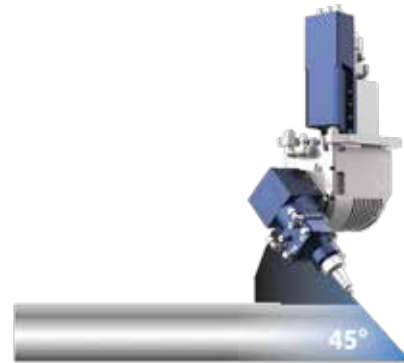


Auto Loading Tube Laser Cutting



BEVELING CUTTING HEAD

LA4 beveling cutting head can achieve 0-45° beveling tube processing to bring convenience for following welding technology and reduce costs.

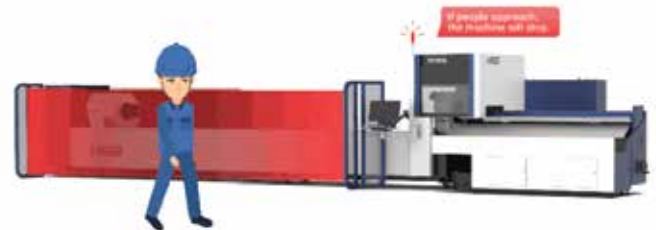


DUST REMOVAL

There are air hose on front chuck and high-power exhaust fans that work together to cut down smoke pollution and keep operators healthy.

SAFETY LIGHT CURTAIN

It will give alarm if any intruder is detected when chucks are working at high speed, so as to prevent any possible collision with human body and protect both workers and the machine well.



DIGITAL CONTROLLING PNEUMATIC CHUCKS



1. With wireless digital feedback, chucks combine with system to form closed-loop controlling
2. High clamping speed, accuracy and working efficiency, low threshold pressure
3. Wireless monitoring of chucks, alarm for empty chucks and high security for no collision between chucks and work-pieces
4. Pressure adjustments depending on different tube diameters and thicknesses
5. Intelligent chucks in full track without artificial adjustments and the load-bearing can achieve 200kg.



Mode	T-6024H2	T-6035H2	T-6024H3	T-6024HA
Min Diameter	Φ20mm	Φ20mm	Φ15mm ×15mm	Auto Following Type
Max Diameter	Φ240mm	Φ350mm	Φ230mm ×160mm	Auto Following Type
Laser Power Supply	1500w,2000w, 3000w, 6000w			
Maximum Acceleration	2G-5G			
Positioning Accuracy	±0.01mm			
Chuck Speed	60r/min-120r/min			
Laser Source	IPG/RAYCUS/MAX			
Laser Head	IPG, PRECITEC, RAYTOOS, WSX			
Control System	RAYTOOLS XC3000s / CYP CUT			
Servo Drive & Motor	Yaskawa, Fuji , Fanuc, Delta, Veichi & Leadshine ServoDriver & Motor.			
Electric Component	Schneider (France)			
Linear Guide	HIWN (Taiwan)			
Voltage	380V 3PH 50/60HZ			

SAMPLE CUTTING FOR TUBE



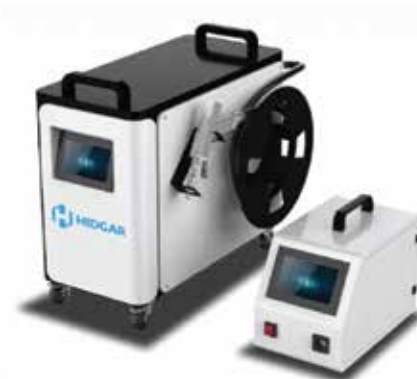
LASER WELDING



Laser Cutting
Laser Welding
Laser Cleaning



Water Cooling Laser Welding Machine



Air cooling Laser Welding Machine



Water Cooling Automatic Laser Welding Machine



Laser Welding Gun

The high-intensity laser beam in this feature is designed for metal welding. It offers precise and rapid laser welds, Offers in strong, quality joins in metal materials.



Laser Cleaning Gun

This feature uses a continuous laser to remove rust and paint from metal surfaces. It's engineered for targeted cleaning, stripping only unwanted layers.



Laser Cutting Gun

Handheld design of the cutting function has the advantages of easy operation and control, especially suitable for thin metal materials.



Durable and Ultra-Light

At only 700g, this laser head is much lighter than usual. With dual protective lenses, It's designed to prevent the common issue of lens damage seen in traditional welders.

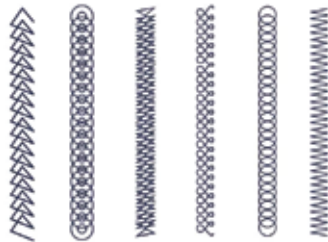


High-quality Materials

High-quality stainless steel what we use to build the entire machine. It guarantees lasting stability and lowers the need for maintenance



Model No.	Handheld Laser Welding Cleaning Cutting Machine
Laser power supply	1000W, 1500W, 2000W, 3000W
Power Adjustment Range	10%-100%
Output Central Wavelength	1070±20nm
Cooling Method	Water cooling
Welding Width	0-5mm
Cleaning Width	Max 80mm
Wire Diameter	0.8/ 1.0/ 1.2/ 1.6mm
Max Wire Feeding Speed	100mm/s
Upgrade	Smoke Purifier



6 Laser Welding Modes

From precise spot welding to continuous welding, choose the most suitable mode, ensure you get the best results and quality every time you laser weld.

Laser Cutting



Laser Cleaning



Laser Welding



Laser welding aluminum



Laser welding carbon steel



Laser welding stainless steel



Laser welding copper

DESKTOP LASER MARKING



Desktop Fiber Laser Marking Machine (Metal & Non-Metal)

fiber laser marking machine can process most metal and nonmetal materials, metal: stainless steel, carbon steel, alloy steel, spring steel, copper plate, aluminum plate, gold, silver, titanium, ring and other plate products. Nonmetal: painting acrylic, density board, plastic, acrylic acid, rubber, bamboo, marble, painting glass, TPU(Thermoplastic polyurethanes) Desk Table Fiber Marking Machine uses in electronic components, integrated circuits (IC), electrical appliances, mobile communications, hardware, tools, accessories, precision instruments clocks and watches, glasses, jewelry accessories, auto parts, plastic buttons, building materials, PVC pipes and other industries.

Raycus/MAX/IPG Multiple Choice

Different brands, different laser power are available. 20W/30W/50W/100W the higher power, the deeper carving depth



Model No	MTS-20D	MTS-30D	LM-50D	LM-100D
Laser Power	20w/30w/50w			
Working Area	150*150mm/200*200mm			
Marking Line Speed	±7000mm/s			
Minimum Line Width	0.02mm			
Minimum Character	0.15mm*0.15mm			
Working Voltage	220v/50HZ, 110V/60HZ			
Repeatability Accuracy	±0.02mm			
Laser Wavelength	1064nm			

LASER MARKING SAMPLE



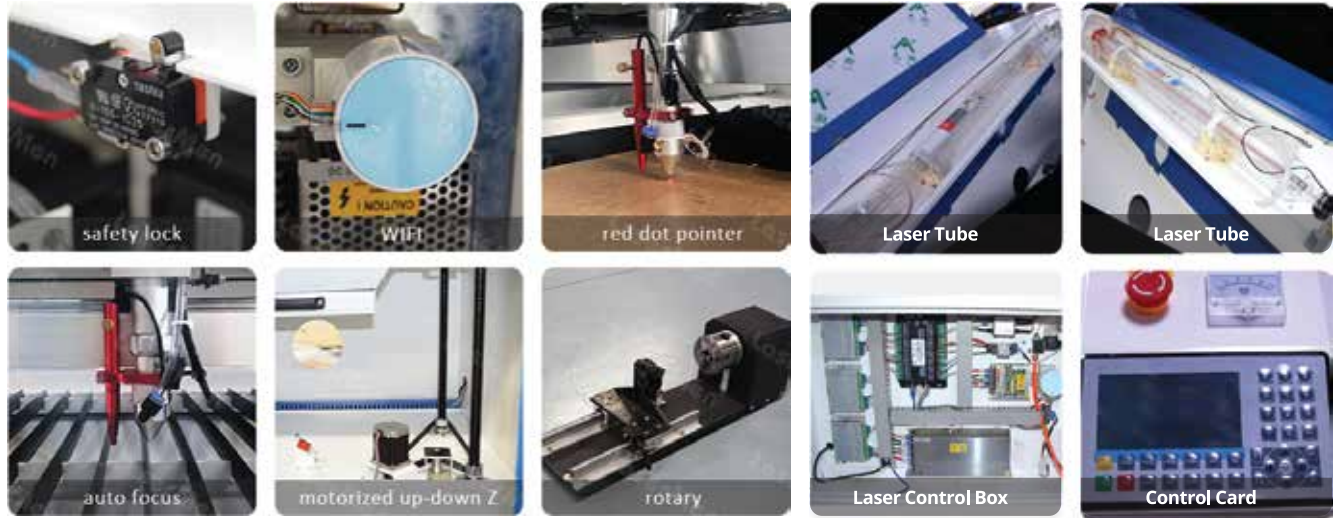
CO2 LASER ENGRAVING CUTTING



BOX TYPE C02



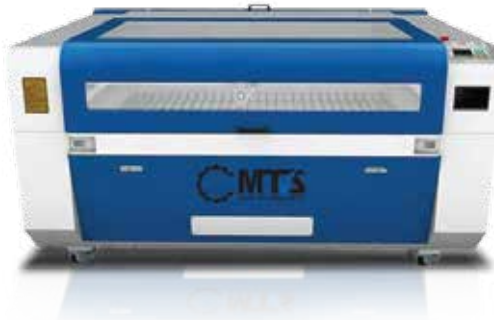
OPEN LARGE TYPE C02



CO2 LASER CUTTING & ENGRAVING SAMPLE



LASER ENGRAVING CUTTING MACHINE FOR NONMETALS



Model	LM-6040-2 (60*40cm)
	LM-9060-2 (90*60cm)
	LM-1390-2 (130*90cm)
	LM-1490-2 (140*90cm)
	LM-1610-2 (160*100cm)
Laser power	60w, 80w, 100w, 130w, 150w, 180w, 240w, 300w
Laser type	CO2 glass laser tube, wavelength 10.6μm, water-cooled
Engraving speed	0-1200mm/sec
Cutting speed	0-500mm/sec
Repeating location	±0.01
Transmission type	Belt transmission
Driving system	Stepper motor
Machine table	Blade table (alternative: honeycomb table)
Graphic format supported	*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las, supporting AutoCAD and CorelDraw
Software supported	CorelDraw, AutoCAD
Control system	RuiDa RDC6445G DSP Off-line control system, laser power 0~100% adjustable
Minimum letter size	Chinese 2.0x2.0mm, English 1.0x1.0mm
Working voltage	Single phase 220V/50Hz (Optional: 220V/60Hz, 110V/60Hz)
Working condition	Temperature 0~45 Celsius; Humidity 5%~95% no condensation

Material	Engrave	Cut	Material	Engrave	Cut
Wood	✓	✓	Pressboard	✓	✓
Acrylic	✓	✓	Rubber	✓	✓
Fabric	✓	✓	Wood Veneer	✓	✓
MDF	✓	✓	Plywood	✓	✓
Delrin	✓	✓	Plastic	✓	✓
Cloth	✓	✓	Cork	✓	✓
Leather	✓	✓	Corian	✓	
Glass	✓		Fiberglass	✓	✓
Ceramic	✓		Tile	✓	
Marble	✓		Anodized Aluminum	✓	
Matte Board	✓	✓	Stainless Steel		
Melamine	✓	✓	Brass		
Paper	✓	✓	Titanium		
Mylar	✓	✓	Bare Metals		
Coated Metals	✓		Painted Metals	✓	

PLASMA CUTTING MACHINE



**Automatic CNC Plasma
Pipe Cutting Machine for Sale**



**Best Plasma Sheet Metal
Cutter for CNC Table**



**Gantry CNC Plasma And
Flame Cutting Machine**



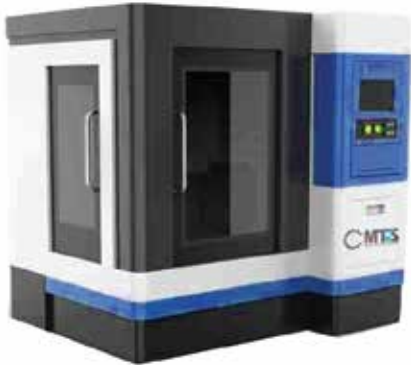
**Best Portable
CNC Plasma Cutter**



Model	PC1530
Size	3015,3020meter
Plasma Power	Power: 63A, 100A, 120A, 160A, 200A
Cutting Thickness	0.3-50mm (According to different plasma power)
Minimum Cutting Diameter	Depend on cutting thickness
Max Cutting Speed	12m/min
Transmission	Taiwan HIWIN Square rail and Rack transmission
Drive Motor	Leadshine stepper motor and driver
Control System	FANG LING control system with THC
Machine Structure	Aluminum Alloy Structure
Working voltage	220V for machine, 380V for power supply (63A with 220V i)
Optional Parts	Rotary device, Flame head
Consumable Parts	Cutting nozzle and electrode



CNC MILLING MACHINE



CNC Milling Machine



Vmc CNC Machining Center



CNC Milling Machine



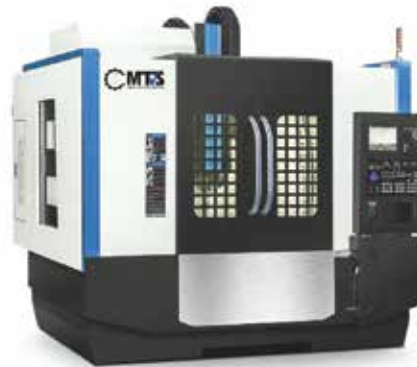
Metal CNC Router



Mini Metal CNC Router



Metal CNC Router



Vmc CNC Machining Center

NO.	Description	Parameter
1	X,Y,Z Working Area	400x400, 600x600, 800x500, 900x600,1000x600,1000x800
2	X,Y,Z Accuracy	±0.001mm
3	X,Y,Z Repositioning Accuracy	±0.00254mm
4	Table Surface	T-slot Table
5	Frame	Whole machine cast by iron
6	Transmission	Hiwin square rail and TBI ball screw for 3 axis
7	Max. Power Consumption	2.5kw~30Kw (without spindle)
8	Max. Rapid Travel Rate	18m/min
9	Max. Working Speed	10m/min
10	Spindle Power	2.5kw~12Kwwater cooling
11	Spindle Speed	0-24000 rpm/min
12	Driver and Motor	Yaskawa, Fuji , Fanuc, Delta, Veichi & Leadshine ServoDriver & Motor.
13	Working Voltage	220/380V 50/60Hz

CNC MILLING/VMC WORK SAMPLE



CNC/NC BENDING MACHINE



CNC/NC Bending Machine

NO.	Description	Parameter
1	Working Size	2400mm,3200mm,4000mm & 5000mm
2	Die & Punch	Durable Hardened Steel
3	Control Type	NC/CNC
4	Layout	Vertical
5	Capacity	50 ton To 8000 ton
6	Application	Sheet Bending

WORK SAMPLE



GUILLOTINE SHEARING MACHINE



CNC/NC Metal Shearing Machine

NO.	Description	Parameter
1	Working Size	2400mm,3200mm,4000mm & 5000mm
2	Blade	6cr,9cr & 12cr
3	Control Type	NC/CNC
4	Layout	Vertical
5	Capacity	50 ton To 8000 ton
6	Application	Sheet Bending





**CNC/NC Pipe
Bending Machine**

**Tube Bender NC
Automatic Pipe Bending**



WORK SAMPLE





A CONCERN OF CONFIX GROUP



Mission

Providing the absolute best quality Consultancy, Machinery, Project Planning, Training, and After-Sales Service in the fastest time, to help our customers grow, thrive and compete.



Vision

Bringing cutting-edge technology and deep technical expertise to the wood, metal, and glass-working industries, aiming to set international standards while contributing to the growth of Bangladesh's economy.



Values


- Equal rights for all employees without any discrimination
- Responsibility, empathy and commitment towards all our stakeholders, environment and society
- Ensure honesty, integrity and ethics regarding all our practices
- Happy, competent, safe and efficient work environment




Corporate Office:

 218/3/A, Shefali Complex, 4th Floor, Begum Rokeya Sharani, (Opposite Side of Green University, Metro Rail Pillar : 328) Dhaka

Machine Display Center

 Madina Nagar, Konakhola, Keraniganj, Dhaka.

 Molla Market, Behind Ramjannesa Super Market, (Metro Rail Pillar Number: 166), Mirpur 12, Dhaka, Bangladesh.

20

Years of
Excellence



+880 1404429482
+880 1914252536



www.metaltechsolution.com
www.hidgar.com



info@metaltechsolution.com