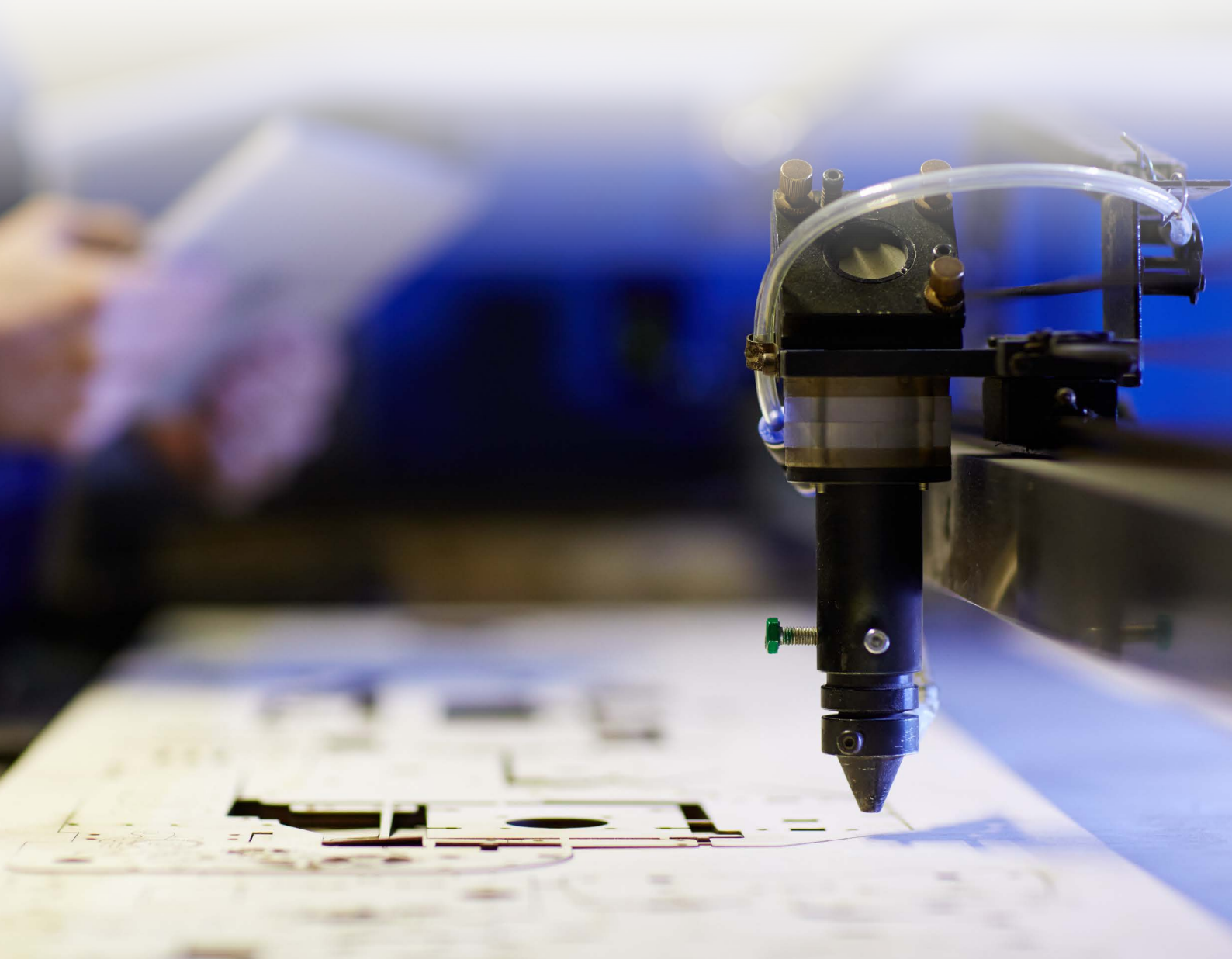




# Catalogo Macchine utensili



# Fiber Laser Cutting Machine

## MT-FLCW6

### Application

- ◆ Applicable field: can be used for various metal sheet processing, mainly applicable for high-speed and high-precision cutting of stainless steel, carbon steel, manganese steel, galvanized sheet, alloy sheet and rare metal materials
- ◆ Applicable industries: hotel kitchen equipment, hardware products, automobile manufacturing, mechanical equipment, display equipment, precision parts, electrical equipment, elevator equipment, lighting hardware, automobile decoration and other industries



### Model Features

- ◆ Industrial independent cabinet, Separation of strong and weak electricity.
- ◆ Use industrial steel welding machine under heat treatment, Ensure that the machine body will not be deformation after long time using, more durable.
- ◆ The 5-Axis gantry CNC milling machine Center, including milling,drilling,taping and other processes,one time complete,improves the assembly accuracy,Ensure the operating accuracy and stability of the equipment
- ◆ 3-Axis adopts Taiwan Lapping linear rail, Running smoothly,Wear-resistant and dust-proof
- ◆ X/Y Axis adopts grinding rack, equip with high precision reducer, Z axis adopt grinding screw
- ◆ X/Y/Z Axis adopt Taiwan delta AC servo driver system (Optional)
- ◆ Equipped with professional CNC Laser Control System
- ◆ Well-known laser cutting head like WSX/Raytools,High-sensitivity optical lens, small spot, fine cutting lines, better processing quality and high work efficiency
- ◆ Optical fiber transmission, flexible processing, can achieve equal quality cutting at any point.
- ◆ Compatible with different software, Various graphics or text can be designed according to your requirements, and the instant cutting operation is simple, convenient and flexible.

### Technical Data

Machine model	MT-FLCW6-1530	MT-FLCW6-1540	MT-FLCW6-1560	MT-FLCW6-2040	MT-FLCW6-2060	MT-FLCW6-6025
Working area	3000*1500mm	4000*1500mm	6000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm
laser medium	Fiber Laser					
Laser Power	1000-6000w					
Min Route width	0.1mm					
Reposition accuracy	0.05mm					
Cooling Method	Dual temperature dual control water cooling					
Voltage requirement	220v/380v 50-60hz					

Any changes of specifications or size without notice. (Configuration is subject to contract, weight is subject to actual machine delivered).  
Any working size or various specifications can be produced according to special requirement.

# Heavy Duty Fiber Laser Cutting Machine

## MT-HDFLCW6E

### Application

- ◆ Applicable field: can be used for various metal sheet processing, mainly applicable for high-speed and high-precision cutting of stainless steel, carbon steel, manganese steel, galvanized sheet, alloy sheet and rare metal materials
- ◆ Applicable industries: hotel kitchen equipment, hardware products, automobile manufacturing, mechanical equipment, display equipment, precision parts, electrical equipment, elevator equipment, lighting hardware, automobile decoration and other industries



### Model Features

- ◆ The machine structure adopts industrial heavy steel structure, under heat treatment, won't deform.
- ◆ Built-in control cabinet, saving space and easier maintenance and overhaul.
- ◆ Unique fireproof brick design for durability and safety.
- ◆ Swing screen, multi-angle adjustment, more user-friendly use.
- ◆ Equipped with professional CNC Laser Control System, more easier for computer operation
- ◆ WSX/Raytools laser cutting head well-known, High-sensitivity optical lens, small spot, fine cutting lines, better processing quality and high work efficiency
- ◆ With non-contact automatic follow-up function to ensure the best focal length and cutting effect
- ◆ Optical fiber transmission, flexible processing, can achieve equal quality cutting at any point
- ◆ Equip with Dual-temperature dual-control professional chiller, fast cooling performance, more stable photoelectric conversion rate
- ◆ Compatible with different software, Various graphics or text can be designed according to your requirements, and the instant cutting operation is simple, convenient and flexible.

### Technical Data

Model Type	MT-HDFLCW6E-3015	MT-HDFLCW6E-4015	MT-HDFLCW6E-4020	MT-HDFLCW6E-6020
Working Size	3000*1500mm	4000*1500mm	4000*2000mm	6000*2000mm
Laser Media	Fiber Laser			
Power	1500w/2000w/3000w/6000w			
Min Route Width	0.01mm			
Reposition Accuracy	±0.05mm			
Wave Length	1080nm			
Aiming Positioning	Red Dot			
Voltage Requirement	380V / 50Hz~60Hz			
Linear Rail	Japan SMG linear rail			
Reducer	Japan Shimpo			
Laser Source	RAYCUS/MAX/IPG(Optional)			
Cutting Head	WSX/Raytools			
Servo System	France Schneider AC Servo System			
Control System	Cvpcut/Weihong NC Studio			

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract, weight is subject to actual shipment).  
Special specifications can be customized for customers!

# Fiber Laser Cutting Machine

## MT-FLCW3

### Application

- ◆ Widely used in sheet metal processing, production of advertising signs, kitchenware, hardware, lighting hardware, saw blade, eyes, machinery parts and other industries.



### Model Features

- ◆ Industrial independent cabinet, Separation of strong and weak electricity.
- ◆ Use industrial steel welding machine under heat treatment, ensure that the machine body will not be deformation after long time using, more durable.
- ◆ The 5-Axis gantry CNC milling machine Center, including milling,drilling,taping and other processes,one time complete,improves the assembly accuracy, Ensure the operating accuracy and stability of the equipment
- ◆ 3-Axis adopts Taiwan Lapping rail, Running smoothly , Wear-resistant and dust-proof
- ◆ X/Y Axis adopts grinding rack, equip with high precision reducer, Z axis adopt grinding screw
- ◆ X/Y/Z Axis adopt With HCFA / INNOVANCE AC servo driver system
- ◆ Equipped with professional CNC Laser Control System
- ◆ Well-known laser cutting head like WSX/Raytools,High-sensitivity optical lens, small spot, fine cutting lines, better processing quality and high work efficiency  
Optical fiber transmission, flexible processing, can achieve equal quality cutting at any point.
- ◆ Compatible with different software, Various graphics or text can be designed according to your requirements, and the instant cutting operation is simple, convenient and flexible.

### Technical Data

Machine model	MT-FLCW3-1530	MT-FLCW3-1540	MT-FLCW3-1560	MT-FLCW3-2040	MT-FLCW3-2060	MT-FLCW3-6025
Working area	3000*1500mm	4000*1500mm	6000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm
laser medium	Fiber Laser					
Laser Power	1000-6000w					
Min Route width	0.1mm					
Reposition accuracy	0.05mm					
Cooling Method	Dual temperature dual control water cooling					
Voltage requirement	220v/380v 50-60hz					

Any changes of specifications or size without notice. (Configuration is subject to contract, weight is subject to actual machine delivered).  
Any working size or various specifications can be produced according to special requirement.

# Heavy Duty Fiber Laser Cutting Machine

## MT-HDFLCW3E

### Application

- ◆ Widely used in sheet metal processing, production of adverting signs, kitchenware, hardware, lighting hardware, saw blade, eyes, machinery parts and other industries.



### Model Features

- Laser out power can be optional from 1500w~3000w
- high accuracy reach to  $\pm 0.002\text{mm}$
- Famous brand component make all machine reliable and stable
- internal cabinet design which can be space saving
- Rocker screen, more suitable for use
- Front control cabinet, easy maintenance and labor saving
- Famous brand cutting head, excellent cutting effect and stable performance
- Using a well-known brand of water chiller, excellent and stable performance in winter and summer

### Technical Data

Model Type	MT-HDFLCW3E-3015	MT-HDFLCW3E-4015	MT-HDFLCW3E-4020	MT-HDFLCW3E-2060
Working Size	3000×1500mm	4000*1500mm	4000*2000mm	6000*2000mm
Laser Media	Fiber Laser			
Power	1500w/2000w/3000w			
Min. Route Width	0.01mm			
Reposition Accuracy	$\pm 0.02\text{mm}$			
Wave Length	1080nm			
Aiming Positioning	Red Dot			
Voltage Requirement	220V or 380V / 50Hz~60Hz			
Linear Rail	Japan SMG			
Reducer	Japan Shimpo			
Laser Source	RAYCUS/MAX/IPG(optional)			
Cutting Head	WSX/Raytools			
Servo System	Leadshine EtherCAT AC Servo System			
Control System	Mach Power System Cypcut/Weihong NC Studio			

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract, weight is subject to actual shipment).  
Special specifications can be customized for customers!



# Single Platform Laser Cutting Machine

## MT-SPLCW3-CCD

### Application

- ◆ Widely used in sheet metal processing, production of advertising signs, kitchenware, hardware, lighting hardware, saw blade, eyes, machinery parts and other industries.



### Model Features

- Industrial independent cabinet, separation of strong and weak electricity.
- CCD visual transmission device, edge cutting.
- Table size can be customized 1500\*3000mm to 2500\*6000mm.
- Reposition accuracy can reach 0.025mm.
- Perfect tool for processing advertising materials.
- Compatible with different software, various graphics or text can be designed.
- XY axis adopts grinding rack, equip with high precision reducer
- With non-contact automatic follow-up function to ensure the best focal length and cutting effect.
- Equipped with professional CNC laser control system, more easier for computer operation.
- Equip with dual-temperature dual-control professional chiller, fast cooling performance, more stable photoelectric conversion rate.

### Technical Data

Model Type	MT-SPLCW3-CCD
Working Area	1500*3000
Laser Medium	Fiber Laser
Image Recognition	CCD Camera
Laser Power	1500W-3000W
Min Route Width	0.1mm
Reposition Accuracy	±0.025mm
Cooling Method	Dual temperature dual control water cooling
Voltage Requirement	220v/380v 50-60hz
Laser Brand	SUDA 3000W
Chiller	S&A
Control System	Mach Power CCD control system
Drive Motor	AC Servo
Cutting Head	Auto Focus
Guide Rail	Japan Linear Rail
Reducer	Japan Shimpo

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract, weight is subject to actual shipment).  
Special specifications can be customized for customers!

# Fiber Laser Cutting Machine For Sheet&Pipe SD Series

## MT-FLCW3G

### Application

- ◆ It is suitable for sheet metal cutting, also can cut square tubes, round tubes, special-shaped tubes and other metal materials.
- ◆ Self-centering pneumatic chuck ensures stable material transmission and cutting quality.
- ◆ Synchronous servo transmission speed ratio chuck, cutting power balance, thick and thin material cutting will not be deformed by inertia.



### Model Features

- ◆ Use industrial steel welding machine under heat treatment, ensure that the machine body will not be deformation after long time using, more durable
- ◆ The 5-Axis gantry CNC milling machine center, including milling,drilling,taping and other processes,one time complete, improves the assembly accuracy, Ensure the operating accuracy and stability of the equipment
- ◆ 3-Axis adopts Taiwan lapping and Japan SMG linear rail, running smoothly, Wear-resistant and dust-proof
- ◆ X/Y Axis adopts grinding rack, Equip with high precision reducer axis adopt grinding screw
- ◆ X/Y/Z Axis adopt AC servo driver system, Stronger torque, faster speed and smoother
- ◆ Equipped with professional CNC Laser Control System, more easier for computer operation
- ◆ WSX/Raytools laser cutting head well-known, High-sensitivity optical lens, small spot, fine cutting lines, better processing quality and high work efficiency
- ◆ With non-contact automatic follow-up function to ensure the best focal length and cutting effect
- ◆ Optical fiber transmission, flexible processing, can achieve equal quality cutting at any point
- ◆ Equip with Dual-temperature dual-control professional chiller, fast cooling performance, more stable photoelectric conversion rate
- ◆ Compatible with different software, Various graphics or text can be designed according to your requirements, and the instant cutting operation is simple, convenient and flexible.

### Technical Data

Machine model	MT-FLCW3G-1530	MT-FLCW3G-1540	MT-FLCW3G-1560	MT-FLCW3G-2040	MT-FLCW3G-2060	MT-FLCW3G-6025
Working area	3000*1500mm	4000*1500mm	6000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm
Pipe length	6000mm (9000mm/12000mm can be optional)					
Laser Power	1000-6000w					
Pipe diameters	10-220mm(120mm/280mm/350mm)					
Reposition accuracy	0.05mm					
Cooling Method	Dual temperature dual control water cooling					
Voltage requirement	220v/380v 50-60hz					

Any changes of specifications or size without notice. (Configuration is subject to contract, weight is subject to actual machine delivered).  
Any working size or various specifications can be produced according to special requirement.

# Fiber Laser Cutting Machine

## For Tube&Pipe SD

MT-FLCW6G

Application

- ◆ It is suitable for cut square tubes, round tubes, special-shaped tubes and other metal materials.
- ◆ Self-centering pneumatic chuck ensures stable material transmission and cutting quality.
- ◆ Synchronous servo transmission speed ratio chuck, cutting power balance, thick and thin material cutting will not be deformed by inertia.



Model Features

- ◆ Use industrial steel welding machine under heat treatment, ensure that the machine body will not have deformation after long time using, more durable
- ◆ The 5-Axis gantry CNC milling machine center, including milling,drilling,taping and other processes,one time complete , improves the assembly accuracy,
- ◆ Ensure the operating accuracy and stability of the equipment
- ◆ 3-Axis adopts Taiwan Lapping linear rail, running smoothly , Wear-resistant and dust-proof , automatic oil lubrication system standard;
- ◆ Professional pipe optical fiber cutting system, support cycle processing, humanized software operation
- ◆ X/Y/Z Axis adopt AC servo driver system, Stronger torque, faster speed and smoother, pipe deviation is automatically compensated.
- ◆ WSX/Raytools laser cutting head , High-sensitivity optical lens, small spot, fine cutting lines, better processing quality and high work efficiency
- ◆ Adopt DAIRUIKE Double pneumatic chuck, Material clamping diameter from 10-220mm as standard. (can optional other model and size)
- ◆ Equipped with floating support setting device, the long pipe cutting jitter is small, the cutting effect is better, and the precision is higher.
- ◆ Equipped with double material recovery channel, the tailings and finished products are separately received
- ◆ Adopted the Material reduction device, supporting long workpiece cutting, ensuring cutting effect.

Technical Data	
Model	MT-FLCW6G
Tube length	6000mm(supports 9000mm,12000mm)
Tube OD range	10-220mm(supports120mm,280mm,350mm etc)
Laser type	Fiber laser
Laser power	1000-6000W
Reposition accuracy	±0.05mm
Minimum linewidth	0.1mm

Any changes of specifications or size without notice. (Configuration is subject to contract, weight is subject to actual machine delivered).  
Any working size or various specifications can be produced according to special requirement.



# SD Series Handheld Laser Welding Machine

## MT-HLWM

### Applications & Applicable Materials

- ◆ Used for welding all kinds of stainless steel mirror words, stainless steel brushed words, stainless steel spherical characters, stainless steel paint characters, stainless steel spray words, stainless steel solid words, stainless steel plating words, stainless steel gold foil words, precision stainless steel characters, titanium flat words, titanium spherical surface Word, Seiko Titanium Flat Copper, Spherical Copper, Copper, Copper Antique, Seiko Aluminum, Iron Paint (Stainless Steel, Iron, Low Carbon Steel), metal word welding.
- ◆ Lighting and mould industry, optoelectronic communication devices, medical, electronics, copper parts, aluminum parts and small welding processing industry.

### Machine features

- ◆ This welding equipment can be used for complex and irregular welding of metal equipment, stainless steel households and other industries. The process of connecting; perfect replacement of traditional argon arc welding, electric welding in the welding of thin metal plates, iron plates, aluminum plates and other metal materials.
- ◆ The internal design is dexterous, and the good interactive control system expands the tolerance range of the machined parts and the width of the weld seam, solves the disadvantage of small laser beam and better weld formation.
- ◆ Light weight shape, the body engineering design method is adopted, and the grip is comfortable; easy to control, and the operation is simple and easy to use.
- ◆ With multiple safety alarms, it automatically locks light after removing the workpiece, ensure safety.
- ◆ The weld is beautiful, fast, no consumables, no weld seam, no discoloration, no need for post-grinding.
- ◆ A variety of angle nozzles can be configured to meet the welding needs of different products.



### Technical parameters

Machine Model	MT-HLWM10	MT-HLWM15	MT-HLWM20	MT-HLWM30
Input Voltage	220V 50HZ			380V 50HZ
Laser Type	Fiber Laser Source			
Linewidth Adjustable Amplitude	0-4MM			
Output Power (Laser Power)	1000W	1500W	2000W	3000W
Output Laser Power Regulation Range	10%-100%			
Working Environment Temperature Range	15-35 C			
Welding Thickness	0.5-8mm			
Welding Gap Requirements	≤0.5mm			

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Any working size or various specifications can be produced according to special requirement.

# SD Series Handheld Laser Cleaning Machine

## MT-HLCM

### Applications & Applicable materials

- ◆ Metal surface cleaning
- ◆ Removal paint of metal surface
- ◆ Stains cleaning on the surface
- ◆ Surface coating cleaning
- ◆ Pretreatment of welding surface cleaning
- ◆ Stone surface cleaning
- ◆ Rubber mold residue cleaning
- ◆ Non-metal material, such as wood

### Machine features

- ◆ Laser cleaning machine is a new generation of high-tech products for surface cleaning.
- ◆ No chemical reagents, which solves the problem of high storage cost and high risk of chemical reagents
- ◆ Fast cleaning speed, can clean hard-to-clean places
- ◆ No consumables, reduce costs
- ◆ Strong applicability, breaking through the limitations of traditional cleaning
- ◆ The cleaning head is light and can be operated by men and women
- ◆ No technical requirements, less worker requirements
- ◆ Laser cleaning machine is high efficiency, environmental protection, safety and reliability, almost no damage to the surface of the substrate



### Technical parameters

Equipment model	MT-HLCM10	MT-HLCM15	MT-HLCM20
Laser working medium	Continue type laser, Laser source can optional Raycus,MAX and other Brands.		
Laser power	1000W	1500W	2000W
Laser wavelength	1064~1080nm		
Pulse frequency	5000~10000Hz		
Cooling method	water cooling		
Spot adjustment range line	0-125mm		
Weight and size	Welding Gun Weight 0.7KGS Machine Weight: 160KGS Machine Size: 75*120*140cm		
Focal length	400mm		
Maximum atmospheric pressure	15Bar		
Collimating focal length	60mm		

Ship Industry, auto Parts, rubber Mold, high-end Machine,tire mold track, environmental Protection Industry and others.

# MC Series High Precision All Advertising Materials CNC Machining Center

## MT-AMCNC

### High-end parts



Three in one industrial system



Japan THK linear rail



Japan YASKAWA servo system



High speed auto tool change spindle



### Application

- ◆ Advertising industry: mini word, beveled word, acrylic glare character, high-end advertisement character and other logo making processing; kt board, pvc, acrylic material edge cutting.
- ◆ Other industries: architectural model, plastic and solid wood model, instrument 3D curved surface processing, electronics industry, woodworking furniture, cabinet door board, building materials processing and so on.
- ◆ Also applies to copper, aluminum, iron plate engraving and cutting.
- ◆ This series of products focus on high-precision processing mode, suitable for advertising industry, electronics industry, woodworking furniture, aluminum alloy products high-light processing and all kinds of soft and hard material edge cutting.

### Configurations

- ◆ Professional industrial full-function control system, vibration knife cutting, high-light mini-word, cutting edge cutting three-in-one, easy to operate.
- ◆ Industrial heavy-duty steel structure design, annealing stress removal, and processed by numerical control high-precision pentahedron machining center by one time to ensure the optimal strength and rigidity of the fuselage.
- ◆ Adopt column frame gantry, table moving transmission mode, more stable equipment, less vibration.
- ◆ Standard with professional matrix vacuum adsorption platform, large bearing capacity; optimized zonal management, suitable for all kinds of workpiece processing.
- ◆ Japanese THK high-precision linear square guide rail, theoretical life of more than 10 years, equipped with lubrication system, more wear-resistant.
- ◆ XYZ axis all transmitting by high accuracy grinding rolling ball screw.
- ◆ XY adopts full dustproof design, z shaft is equipped with main shaft safety protection cover.
- ◆ Adopt the Japanese large torsion AC servo system, the service is more professional and convenient.
- ◆ Independent industrial control cabinet, strong and weak power separation, maintenance more convenient.
- ◆ Adopt 7.5kw water cooling high speed automatic change tool spindle, Standard with 4pcs tools (customized with high precise tool shank).

### Technical Data

Model	MT-AMCNC2513
Table Size	2500x1300mm
Transmitting way	XYZ axis all transmitting by high accuracy grinding rolling ball screw
Linear rail	X, Y, Z axis use THK linear rail from Japan (lifespan 10 years)
Max speed	20m/min
Reposition Accuracy	0.025mm
Working tools	7.5KW auto tool change water cooling spindle motor( customized high precision tool shanks)
Auto Feeding device	Equipped with automatic surface detector
Working surface	Matrix vacuum table(4 zone)
Driver system	Japan Yaskawa AC servo system
Control system	3 in 1 control system

# High Precision Platform Moving Multi-function Machining Center

MT-PMCNC

## Application

- ◆ Advertising industry: mini LED words, oblique edge characters, acrylic light-emitting characters, high-end advertisement characters, etc.
- ◆ Other industries: building models, plastic and solid wood models, three-dimensional surface processing of musical instruments, electronic industry, woodworking furniture, cabinet door panels, building materials processing, etc.
- ◆ It also applies to engraving and cutting on copper, aluminum and iron plates.
- ◆ These series of products are more focused on high precision processing mode, suitable for advertising, electronics, woodworking furniture, aluminum alloy products high gloss processing



## Technical Data

Model	MT-PMCNC2513
Table Size	2500x1300mm
Transmitting way	X、Y、Z axis transmitting by high precision rolling ball screw
Linear rail	X、Y、Z axis configure with THK linear rail from Japan
Driver system	Japan Yaskawa servo motors and drivers / Syntec Bus Servo system
Control system	Industrial control system / Syntec System 60WE
Auto Feeding device	Equipped with an automatic surface detector
Spindle motor	7.5KW water cooled spindle of auto tool change
Working table	Martix vacuum table (four zone)

Any changes of specifications or size without notice(configuration is subject to contract,weight is subject to actual machine delivered)

## Configuration

- ◆ Adopt industrial heavy-duty structure design, annealing and destressing strictly according to process requirements, ensure the strength and rigidity of the machine body.
- ◆ Adopt fixed beam gantry with frame structure and movable working table, to make the equipment more stable and less vibration.
- ◆ Standard configured with matrix vacuum table with high strength,optimized partition management, suitable for different size processing .
- ◆ Adopt Japan THK high precision linear rail with lubrication system, more wearable.
- ◆ XYZ axis adopt Grinding rolling ball screw, high precision.
- ◆ XY axis adopt totally closed dust cover design, z axis equipped with spindle protection cover.
- ◆ configure with Japan Yaskawa AC servo system, service more professional and quickly.
- ◆ Independent industrial control cabinet, strong and weak electricity separation, maintenance is more convenient.
- ◆ Adopt professional industrial control system with perfect function and good interface.
- ◆ Adopt 7.5KW water cooling and high speed automatic tool changing spindle.
- ◆ 4 pcs of linear type ATC tools, flexible processing.

# MG Series Heavy Duty ATC CNC Machining Center

MT-HDATCCNC1325

## Configurations

- ◆ Integral welding body, high inflexibility structure design ,material stress analysis & forming by heat treatment, avoid deformation.
- ◆ Transmission part adopts high precision helical rack, THK linear rail from Japan, supplement with Japan Panasonic servo system and Taiwan professional deceleration device, ensure machine running smoothly in high speed, high precision, low noise.
- ◆ Equipped with professional vacuum system, adopt integral adsorption base, with the high strength engineering -plastics surface, one-time forming, adopt high-power professional vacuum pump, strong adsorption capacity.
- ◆ High power spindle from Italy, low sway in axial , strong cutting force, long lifetime, low noise. with imported Bamboo Hat ATC library of 8pcs tool, high efficiency.
- ◆ Industrial control system, professional electronic parts , perfect function, stable performance, strong compatibility of software.

\*\*\*Any changes of specifications or sizes without notice. (Configurations are subject to contract; Weight is subject to actual machine delivered).

\*\*\*Any working sizes or various specifications can be produced according to special requirements.



Italy HSD spindle



Japan YASKAWA servo system



Syntec 60WE Control system



Japan THK linear guide



SD Series

GT High

Precision All Adversting

Materials CNC Machining Center

MT-GTAMCNC



Model Feature

- ◆ Industrial heavy duty steel structure by heat treatment, 5axis high accuracy CNC machining center one-time processing, High quality
- ◆ Adopt gantry running structure, More smooth movement and faster speed.
- ◆ XY axis adopts high precision grinding rack drive, running speed axis adopts grinding screw drive, higher precision
- ◆ Taiwan high precision linear guide rail, smooth running, more wearable
- ◆ Matrix vacuum adsorption platform is adopted as standard configuration, with large bearing capacity, optimized zoning management, and suitable for various workpiece processing.
- ◆ Independent industrial control cabinet, strong and weak electricity separation, maintenance is more convenient
- ◆ Independent research and development of professional multi-axis control system, smooth curve, accurate file extraction, equipped with computer control cabinet
- ◆ Equipped with industrial HD camera, clear interface and durable.
- ◆ Special servo oscillating knife, fast speed, high angle accuracy; High frequency AC servo, more professional and convenient service.

Technical Data

Machine Model	MT-GTAMCNC1325	MT-GTAMCNC1630	MT-GTAMCNC2030	MT-GTAMCNC2040
Table Size	1300x2500mm	1600x3000mm	2000x3000mm	2000x4000mm
Transmitting Way	XY axis high precision rack, Z axis grinding screw			
Driving mode	High subdivision servo drive system (Optional)			
Spindle motor	220V/3.7KW 40000RPM			
Machine Function	CCD Camera with Oscillating Function			
Voltage	220V/380V,50-60Hz			

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract; weight is subject to actual shipment). Special specifications can be customized for customers.

# High Speed CNC Machining Center

## MT-HSCNC1325-G

### Samples



### Optional parts



Water cooling spindle motor



Industrial CCD camera



Oscillating knife



Linear ATC library

### Configurations

- ◆ Adopt industrial heavy-duty structure design,combined with the finite element method calculation,annealing and destressing strictly according to process requirements,thus to ensure the strength and rigidity of the machine body.
- ◆ Standard configured with independent 6 zone matrix vacuum table with high strength,Optimized partition management, suitable for different size processing.
- ◆ Adopt gantry transmission structure to ensure fast speed and high accuracy.
- ◆ Independent controlling cabinet,separation of strong electricity and weak electricity to make the maintenance more convenient.
- ◆ Adopt advanced professional control system, quickly calculation, Strong anti-interference ability.
- ◆ Adopt Taiwan Delta Or Japan AC Servo System, its service would be more professional and more reliable.
- ◆ Adopt High Precision Grade TAIWAN linear rail, Configured with Oil Lubrication System ,and with more wear-resisting.
- ◆ High-speed water-cooled spindle is adopted.
- ◆ Vacuum adsorption table, standard 7.5kw high power vacuum pump.
- ◆ Mainly used for: high gloss processing of mini word, acrylic and high precision aluminum plane and cutting processing, also suitable for Automatic image edge cutting on PVC and other materials which is done by UV printer.

### Technical Parameters

Model No.	MT-HSCNC1325-G3	MT-HSCNC1325-G5	MT-HSCNC1325-G7	MT-HSCNC1325-G9
Highlights	Mini words	CCD Camera	CCD and Oscillating knife	Linear ATC library
Spindle Motor	5.5kw water cooling spindle			7.5kw water cooling spindle support ATC
Control System	NC/ handle control system	CCD control system	3 in 1 control system	handle control system
Working Table	1300×2500mm			
Transfer Mode	X,Y axis gear and rack transmission with Japan Shimpo Reducer, Z axis rolling ball screw			
Drive Mode	High Power AC Servo(Taiwan Delta Or Japan AC Servo Optional )			
Power Source	380V 50Hz			

\*\*\*Any changes of specifications or sizes without notice. (Configurations are subject to contract; Weight is subject to actual machine delivered).

\*\*\*Any working sizes or various specifications can be produced according to special requirements.

# RVV High Speed Cutting Machine

## MT-RVCM

### Performance Characteristics

- ◆ Equipped with LEYU professional CCD visual edge patrol system, edge patrol cutting, vibrating knife cutting processing motion controller, no need to change electric circuit.
- ◆ Different cutting tool heads can be replaced to meet user's different cutting need.
- ◆ Infrared induction, 360° surround protection, sensitive response, safe and reliable.
- ◆ High performance AC servo, fast cutting speed, high precision, reliable stability.
- ◆ Intelligent picture contour system, intelligent material feeding mechanism, easy to use.
- ◆ Components installed inside the machine body to make the machine neat and good looking.

### Application Field

- ◆ This cutting machine is mainly used for non-metallic flexible materials of heterotopic graphic cutting, full cut, half cut, indentation, marking and other cutting process! This equipment has high speed, high precision, outstanding stability, thus can greatly improve the user's production efficiency, reduce labor costs, also reduced the failure rate in manual cutting process. This equipment is widely used in advertising, packaging, leather, clothing, car decoration, sealing ring, carpet and other flexible material cutting industries.



### Machine parameters

Machine model	MT-RVCM2516
Working size	1600*2500mm
Working characteristics	Can link any CAD software, computer aided design and cutting synchronization
Cutting speed	100mm/s
Cutting thickness	≤50mm
Cutting materials	All kinds of corrugated board, plastic corrugated paper, yellow cardboard, red cardboard, white cardboard, gray board, PVC board, foam board, KT board, self-adhesive, gasket, etc.
Main tools	Vibrating knife, press wheel, cursor
Fixed model	Vacuum adsorption
Vacuum pump power	7.5kw
Cutting accuracy	0.1mm
Transmission port	Standard network port
File system	DXF、HPGL、JPG、BMP
Compatible software format	AutoCAD, CorelDraw, etc.
Transmitting system	AC servo motor drive, high precision reducer, linear guide rail, grinding rack
Working voltage/power	AC 380V+/- 10%, 50HZ, 60HZ
Operating environment	Temperature 0℃-40℃, humidity 20%-80%RH

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract; weight is subject to actual shipment), Special specifications can be customized for customers.

### Samples



PP back adhesive



Plastic hollow plate



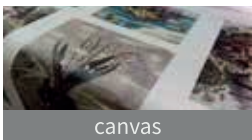
Acrylic



Corrugated paper



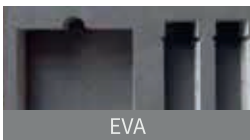
Chevy board



canvas



KT board EVA



EVA



car sticker



Knife scraping cloth

# High Speed Automatic Tool Change CNC Machining Center

MT-HSTCCNC1325



## Technical Parameters

Model No.	MT-HSTCCNC1325-A3S	MT-HSTCCNC1325-A7S
Working Size	1325 size as standard, Can Customized 1530,2030,2040 size	
Transmitting Way	X, Y axis with Reducer and helical Rack, Z axis by rolling ball screw	
Drive Mode	High Power AC Servo (France Schneider, Taiwan Delta or Japan AC Servo Optional)	
Spindle motor	7.5KW quickly manual tool change water cooling spindle motor	7.5KW Water cooling ATC spindle motor (Optional Italy HSD ATC Type)
Control system	NC control system	ATC handle control system (Optional SYNTEC System with SYNTEC Servo )
Function	CCD Camera with Oscillating Knife (Optional)	
Power Voltage	3P 380V /50HZ	

If the price and size changes, forgive without notice, all configurations are based on contracts  
Any changes of specifications or size without notice. (Configuration is subject to contract, weight is subject to actual machine delivered).

## Application

- ◆ Advertising industry: Mini LED word, bevel edge word, acrylic lighting word, high-end advertising word and Sign processing.
- ◆ Other industry: building model, plastic and wood, instrument, three dimensional surface processing of musical instrument
- ◆ Also applies for the carving and cutting on brass and aluminum.

# CCD & Oscillating Knife CNC Router

MT-CCDOK



## Machine parameter

Model	MT-CCDOK1325
Working Size	1300*2500*150MM size as standard, Can Customized 1530,2030,2040 size
Control System	3 in 1 control system
Transmitting Way	X,Y axis transmitted by rack and gear, Z axis rolling ball screw
Linear Rail	Taiwan linear rail
Drive Mode	Three axis digital display hybrid servo motor, AC servo oscillating knife
Running Speed	25m/min
Spindle Motor	220V/3KW Water cooling spindle motor
Spindle Speed	6000~24000rpm/min

If the price and size changes, forgive without notice, all configurations are based on contracts  
can optional for different size.

## Model Features

- ◆ Adopt double - drive structure of gantry, more stable movement, faster speed
- ◆ XY axis adopts high precision grinding rack drive, running speed axis adopts grinding screw drive, higher precision
- ◆ Taiwan high precision linear guide rail, smooth running, more wearable
- ◆ Independent industrial control cabinet, strong and weak electricity separation, maintenance is more convenient
- ◆ Independent research and development of professional multi-axis control system, smooth curve, accurate file extraction, equipped with computer control cabinet
- ◆ Adopt efficient driving system, fast response speed, high execution precision)
- ◆ Adopt high speed frequency conversion water cooled spindle, no noise pollution)
- ◆ Optional matrix vacuum adsorption platform, bearing capacity, suitable for different sizes processing
- ◆ Mainly suitable for: high efficiency production of all kinds of woodworking products, plastic products, rubber products, plastic chemical parts, advertising standard, acrylic cutting, all kinds of advertising plate, sign production, blister model," all kinds of composite plate, copper, aluminum and other metal, non-metallic materials



# TE High Speed CNC Machining Center

## MT-TEHSCNC-1325

### Model Features

- ◆ Adopt double - drive structure of gantry, more stable movement, faster speed
- ◆ XY axis adopts high precision grinding rack drive, running speed axis adopts grinding screw drive, higher precision
- ◆ Taiwan high precision linear guide rail, smooth running, more wearable
- ◆ Independent industrial control cabinet, strong and weak electricity separation, maintenance is more convenient
- ◆ Independent research and development of professional multi-axis control system, smooth curve, accurate file extraction, equipped with computer control cabinet
- ◆ Adopt efficient driving system, fast response speed, high execution precision)
- ◆ Adopt high speed frequency conversion water cooled spindle, no noise pollution)
- ◆ Optional matrix vacuum adsorption platform, bearing capacity, suitable for different sizes processing
- ◆ Mainly suitable for: high efficiency production of all kinds of woodworking products, plastic products, rubber products, plastic chemical parts, advertising standard, acrylic cutting, all kinds of advertising plate, sign production, blister model, " all kinds of composite plate, copper, aluminum and other metal, non-metallic materials



\*\*\*Any changes of specifications or sizes without notice.  
(Configurations are subject to contract; Weight is subject to actual machine delivered).

\*\*\*Any working sizes or various specifications can be produced according to special requirements.

# Heavy Duty CNC Router

## MT-ECHDCNC-1325

### Configurations

- ◆ Adopt heavy duty machine frame, forming by CNC planer-type milling machine, more stronger, stability
- ◆ High accuracy THK linear guide from Japan, high accuracy helical gear rack transmitting, more stability, higher precision
- ◆ Enlarged cast iron supporting frame, ensure transmission stability
- ◆ Configured advanced FPGA colored LCM or on line special controlling system, independent power supply, quick calculation, strong anti-interference performance. Owe more performance
- ◆ Support transmitting file from USB flash disk directly, multiple files can be saved simultaneously, processing any file as you like.
- ◆ Has power off restoration, continue processing at break point auto tool height adjusting device, repeat processing, support 9 coordinates setting, user friendly design
- ◆ Standard configured 380V 4 5kw air cooling spindle motor, high power, high efficiency.
- ◆ Be compatible With many CAD/CAM software like Type3/Artcam/Casmate/Proe/UG/Artgrave etc
- ◆ Independent control cabinet, stronger power and weak power separate, maintenance easily
- ◆ Can optional the vacuum system and dust collector system



\*\*\*Any changes of specifications or sizes without notice.  
(Configurations are subject to contract; Weight is subject to actual machine delivered).

\*\*\*Any working sizes or various specifications can be produced according to special requirements.

# Advertising Material New CNC Router

## MT-AMCNC



- Model Features
- ◆ Fast moving speed,suitable for high-speed cutting in the advertising industry.
  - ◆ Standard with camera for edge cutting.
  - ◆ High speed spindle,good cutting effect,no rough edge,improving efficiency.
  - ◆ Adopt well-known brand AC servo motor,precision,stable and reliable
  - ◆ Adopt high speed frequency conversion water cooled spindle,no noise pollution
  - ◆ Adopt efficient driving system,fast response speed,high execution precision
  - ◆ 6 zone vacuum adsorption platform,bearing capacity,suitable for different sizesprocessing
  - ◆ XY axis adopts high precision grinding rack drive.
  - ◆ Standard with oil lubrication system,easy and friendly for user.

Technical Data	
Model	MT-AMCNC1325
Working Size	1500*3000mm 2000*3000mm 2000*4000mm,customized size accepted
Spindle	4kw/380V water cooling spindle(40000rpm)
Vacuum Table	6 zones Matrix vacuum table with 7.5kw pump
Control System	Mach Power Control system
Driver System	Leadshine AC Servo
Control Cabinet	Independent control cabinet
Lubrication System	Standard with oil lubrication system
Transmitting Way	Japan Linear Rail
Chiller	S&A CW3000 Chiller

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract, weight is subject to actual shipment).  
Special specifications can be customized for customers!

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# Heavy Duty CNC Router

MT-HDCNCE9-1325

## Configurations

- ◆ Adopt heavy duty structure, CNC gantry processing and forming, with high strength and stability
- ◆ Equipped with Taiwan high-precision linear rail and high-precision helical gear transmission, with stronger stability and higher precision
- ◆ Equipped with NC control system, independent control cabinet control, fast calculation, strong anti-interference ability, and more powerful functions for different application
- ◆ Compatible with various kinds of CAD/CAM software such as Type3/Artcam/Casmate/Pro/UG/Ucancam
- ◆ Standard computer control cabinet, strong and weak current separation, convenient operation and maintenance
- ◆ Hybrid Servo motors with reducers standard, High working speed and more accuracy assurance
- ◆ With high torque 380V/5.5KW water cooled spindle motor, high power, high efficiency, Cooled by Chiller
- ◆ Manual oil supply and lubrication system is equipped as standard, which makes equipment maintenance more convenient and fast.
- ◆ Optional vacuum system and dust collector etc.

\*\*\*Any changes of specifications or sizes without notice.  
(Configurations are subject to contract; Weight is subject to actual machine delivered).  
\*\*\*Any working sizes or various specifications can be produced according to special requirements.



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# High Speed CNC Router

MT-HDCNCSK-1325



## Configurations

- ◆ Traveling speed can be up to 20m/min.
- ◆ Configured with professional CNC controlling system.
- ◆ Be compatible with various CAD/CAM software as Type3/Artcam/Casmate/CAXA/Artcut etc.
- ◆ Can highly support G-code.
- ◆ Own functions of restoring from power off, continuation from break point, auto feeding blades, repeat engraving, support nine coordinate positioning.
- ◆ Standard with Taiwan linear rail to ensure more accuracy.
- ◆ 3KW water cooling spindle motor standard.
- ◆ Powerful Leadshine driver board with high power inverter to make the machine more stronger.
- ◆ Can optional the vacuum system and dust collector system.

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# CCD Automatic Cutting Edge CNC Router

## MT-CCDACCNC-1325

### Configuration

- ◆ Adopt the advanced CCD cutting system, automatic Edge cutting, engraving and processing integrated board without switching cables.
- ◆ Equipped industrial CCD camera, with the clear probe and the high positioning accuracy.
- ◆ Configure with high accuracy linear rail and helical rack, more stable and high accuracy.
- ◆ Restart from power off, auto feeding, repeating functions, can support the 9 coordinate system positioning, real humanized design.
- ◆ Standard with computer control unit, strong and week electrical separation, more convenient maintenance.
- ◆ Standard with 3KW/220V high speed water cooling spindle, high efficiency.
- ◆ Configure with big torque transmitting motor with High subdivision drive, cutting efficiency is higher and more precise.



### Application

- ◆ These series of machines are powerful, easy to use, reliable performance, widely used in high-efficiency production of various billboards, PVC, acrylic, aluminum plastic board, aluminum plastic board and other materials of three-dimensional carving and automatic cutting edge .

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# High Speed CNC Engraver

## MT-HSCNCE-1325

### Configurations

- ◆ Traveling speed can be up to 20m/min.
- ◆ Configured with professional CNC controlling system.
- ◆ Be compatible with various CAD/CAM software as Type3/Artcam/Casmate/CAXA/Artcut etc.
- ◆ Can highly support G-code.
- ◆ Own functions of restoring from power off, continuation from break point, auto feeding blades, repeat engraving, support nine coordinate positioning.
- ◆ Standard with Taiwan linear rail to ensure more accuracy.
- ◆ 3KW water cooling spindle motor standard.
- ◆ Powerful Leadshine driver board with high power inverter to make the machine more stronger.
- ◆ Can optional the vacuum system and dust collector system.



# Speedy Mini CNC Engraver



MT-SMCNCE3025Y

### Configurations

- ◆ Adopt the most advanced new handle control system.
- ◆ Configure with 1.5kw water cooling spindle motor.
- ◆ X,Y,Z all axis configured with THK linear rail from Japan, more stable movement in high accuracy.
- ◆ Water cooling processing system, the dual waterproof design, to ensure the circuit is not affected.



MT-SMCNCE3025Z

### Configurations

- ◆ The delicate machine body in integral iron-cast frame, long work lifetime.
- ◆ Rolling ball screw from Germany.
- ◆ Configured with 1500W inverter driven water cooling spindle motor.
- ◆ Imported high accuracy linear guide on all axis.
- ◆ Omnibearing double water-proof design, ensure electric safety.
- ◆ Configure upgraded new handle control system.
- ◆ Optional imported servo system.
- ◆ Hybrid servo motors and drivers to keep more high precision (Optional)

### Technical Data

Model	MT-SMCNCE3025Y	MT-SMCNCE3025Z
Working Area	300x250x60mm	
Spindle Motor	1.5kw	
Motion Speed	0~8000mm/min	
Spindle Speed	6000~24000rpm	
EngravingTools	Ø 3.175、Ø 4、Ø 6mm ( optional)	
Dictate Format	G-code	
Transmitting Parts	Two-nut rolling ball screw	
Resolution	0.01mm	

Note:Any changes of technical parameters without notice



# Stone Processing Center

MT-SPC



Japan THK linear guide



Japan YASKAWA Servo system (optional)



Industrial chiller



Syntec 60WE control System(optional)



Technical Data	
Model	MT-SPC1325
Working Size	1300X2500X300mm (Size can customization)
Spindle Motor	380V 5.5KW water cooling spindle with chiller (Optional)
Function	3 axis,4 axis with ATC can optional
Motor Driver	Standard with Hybrid servo with reducer, can optional AC system
System	Standard NC system, Can optional Taiwan SYNTEC system
Working Speed	0-20000mm/min
Spindle Speed	6000-24000rpm/min
Tools	ER32 ø3.175, ø4、 ø6、 ø12.7mm etc.

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract, weight is subject to actual shipment).  
Special specifications can be customized for customers!

# CO2 Non-metal Laser Sheet Cutting Machine

MT-CO2NMLSC



## Model Features

- ◆ XY shaft adopts high precision helical rack drive, equipped with high precision AC servo.
- ◆ XY axis adopts hybrid servo drive, faster and smoother running
- ◆ Taiwan high precision linear guide rail, more wearable
- ◆ Standard professional laser control system, support a variety of file formats
- ◆ Built-in control cabinet, strong and weak electricity separation, more convenient maintenance
- ◆ Equipped with high power laser tube, stable control power

## Application industry

- ◆ High-end acrylic products related industries, lighting industry, high-end display case industry, clothing, footwear, luggage, computer embroidery tailoring, models, electronic appliances, toys, furniture, advertising decoration, packaging printing, paper products, handicrafts, household appliances, laser processing and other industries

## Technical Data

Machine Model	MT-CO2NMLSC2030
Table Size	2000x3000mm
Transmitting Way	X Y axis transmitting by the helical gear and rack
Driving mode	Hybrid servo
Laser Power	300W
Voltage	220V/380V,50-60Hz

Specifications and dimensions are subject to change without prior notice (configuration is subject to contract, weight is subject to actual shipment).  
Special specifications can be customized for customers!

# CO2 Laser Engraving Machine

MT-CO2LEM-1390



Japan SMG linear rail



Hybrid servo system (optional)



Industrial chiller



RUIDA Laser system

## Configurations

- ◆ Optimization of mechanical and electrical design, processing speed can be up to 200mm/s
- ◆ Configure higher power laser tube, can cut Acrylic of 20mm thickness in one step
- ◆ With advanced controlling system, strong function, can effectively engrave on plane / gradient(optional), cutting and drilling holes,etc
- ◆ Transmit files directly in CorelDraw, AutoCAD etc
- ◆ Configure imported lens to ensure perfect cutting
- ◆ Adopt international advanced linear rail for X.Y axis, more precision
- ◆ Standard configuration of chilling machine.

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