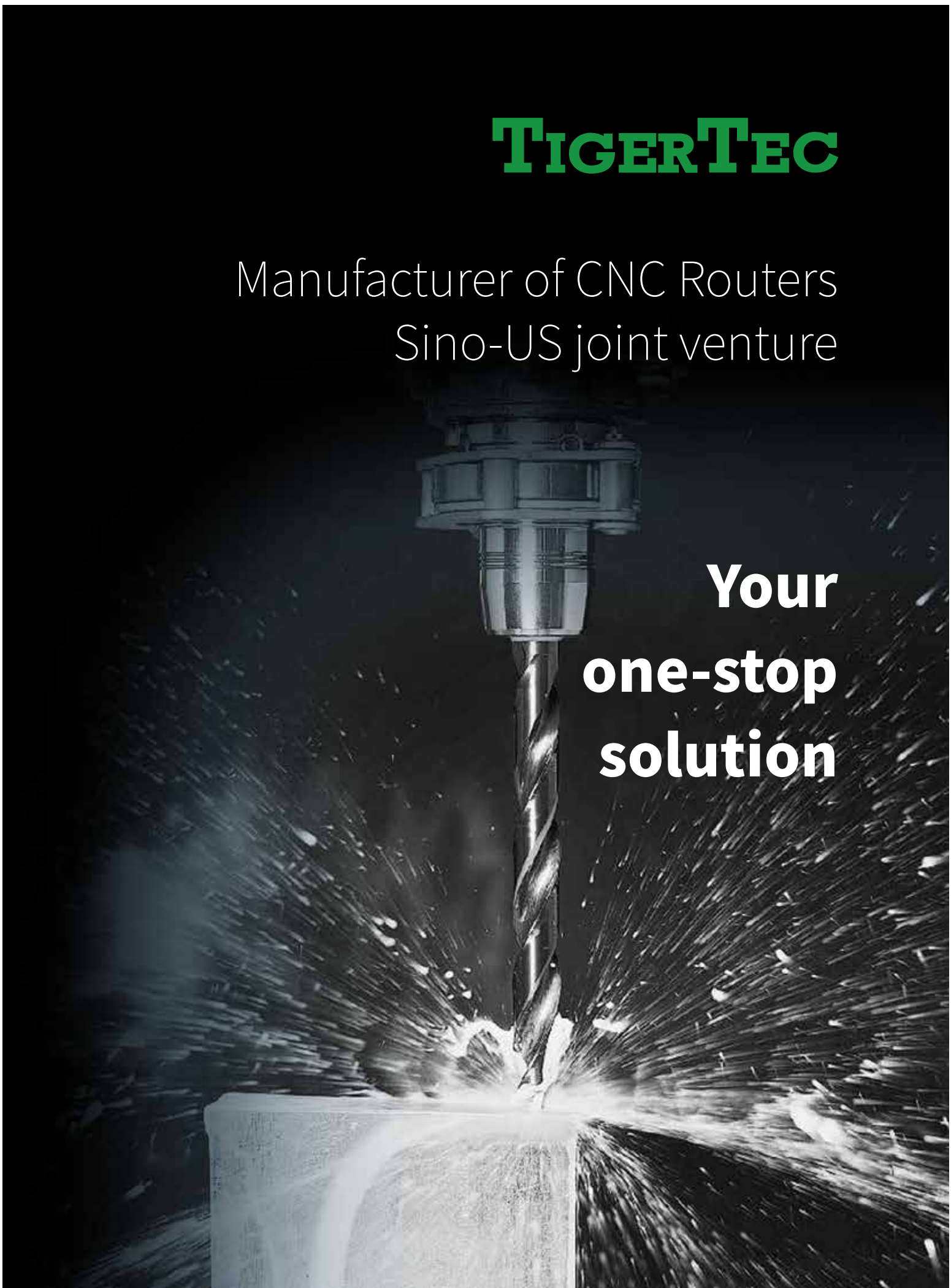


TIGERTEC

Manufacturer of CNC Routers
Sino-US joint venture

**Your
one-stop
solution**



We Are **TigerTec**

TigerTec brand is founded in 2003 in the United States. TigerTec Inc. (China) is a Sino-US joint venture and professional manufacturer of CNC machines in China. We focus on the high quality CNC machines and aim at middle and high-end overseas market.

Our products range from woodworking CNC routers, sign making CNC routers, metal working CNC machines, pattern making CNC machines to stone working CNC machines etc. We do customized machines for OEM customers and have already worked with some top brands from United States, Italy, Korea, Germany, Russia and Taiwan for many years.

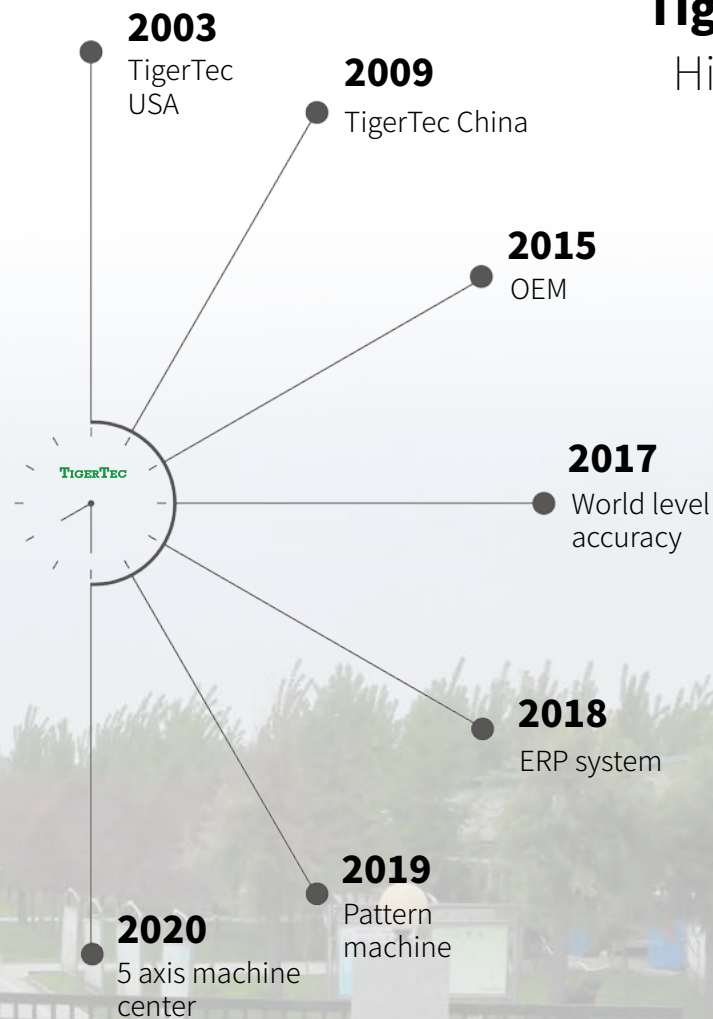
We have welding workshop, painting house (sand polishing and powder coating), parts machining and assemble machines by ourselves. We manufacture all the machinery parts by VMC and machining center in house to control the quality and delivery time.

We forged a closed partnership with HSD spindles, Yaskawa servo driving systems, Siemens driving systems, Igus cabling, Syntec controllers, Delta inverters and Becker pumps.

TigerTec has full understanding of quality, service and customer value. We supply global installation, training and CNC solutions for our customers.

Honesty moulds the quality, Quality wins the market!

TigerTec History



- + Make machinery parts in the house
- + Use Hamar Laser, VMC and machining center to conduct strictly quality control
- + Aim at middle and high-end market for more than 15 years
- + 2 direct subsidiaries (USA and China)
- + Strong and wide service team

AD Series

TigerTec CNC router TR408AD is designed in 2017 and we got the patent. We use strong lathe bed, gantry and gantry support for this machine to guarantee the accuracy. All the mechanical parts are done by VMC in TigerTec factory. We use the cast steel for the gantry support. You can get a stable machine and run by fast speed when operate.

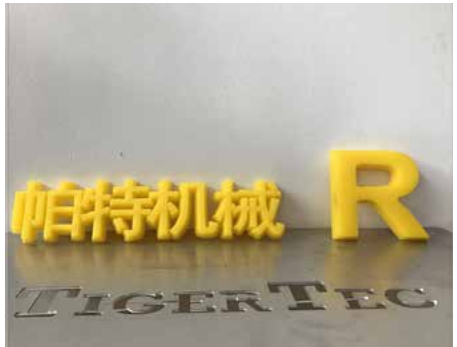


Outstanding Features:

- Electronics: We use all world branded components for TigerTec CNC routers, such as Siemens, Schneider, Igus and Phoenix
- Electronic spindle: HSD 3.0KW/6.0KW/7.0KW spindle from Italy
- DSP controller with USB connection, a magnetic hand-held manual controller (Extremely Easy Functions)
- Massive gantry rides on extremely accurate TigerTec rack and pinion and HIWIN linear guide ways for each of X/Y/Z -movements
- Powered by Stepper driving system with planetary reducer
- Work surface constructed bakelite with T-slot tracks ensure plenty of options for holding down materials

Applications:

- Sign Making
- Metal Working
- Wood Working
- Plastics
- Foam
- Prototyping
- Model Making
- Education
- General Fabrication
- Furniture making
- Craft Making
- Musical instrument



Technical Data

Model No.	Process Area			Accuracy	Weight	Foot Print (W×L×H)		
	X	Y	Z					
TR408AD	1240mm 48.8"	2460mm 96.9"	200mm 7.9"	± 0.05mm/m	1400KGS	2024mm 79.7"	3300mm 129.9"	1950mm 77"
TR510AD	1550mm 59.1"	3050mm 118.1"	200mm 7.9"	± 0.05mm/m	1700KGS	2224mm 87.6"	3800mm 149.6"	1950mm 77"
TR710AD	2000mm 78.7"	3000mm 118.1"	200mm 7.9"	± 0.05mm/m	2000KGS	2724mm 107.2"	3800mm 149.6"	1950mm 77"
TR712AD	2000mm 78.7"	4000mm 157.5"	200mm 7.9"	± 0.05mm/m	2200KGS	2724mm 107.2"	4800mm 189"	1950mm 77"

ATC Series

A Great Fit for **Value** Buyers

Who Want **High Performance**

TigerTec TR408AD ATC is designed for efficient working in speed and reliability. 12 programmable CNC knives allow you to cut a wide range of materials (such as plastic, wood, foam, and composite materials) and it can also mill and drill materials accurately and efficiently. The automatic tool changer system speeds up production exponentially as it moves with the gantry. We use servo motor system for the tool changer to increase the speed and accuracy.



Technical Data

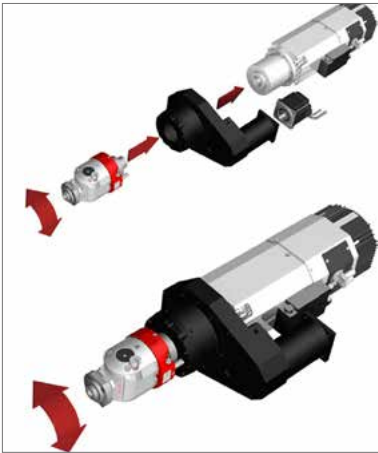
Model No.	Process Area			Accuracy	Weight	Foot Print (W×L×H)		
	X	Y	Z					
TR408AD ATC	1240mm	2460mm	200mm	± 0.05mm/m	1500KGS	2024mm	3300mm	1950mm
	48.8"	96.9"	7.9"			79.7"	129.9"	77"
TR510AD ATC	1550mm	3050mm	200mm	± 0.05mm/m	1800KGS	2224mm	3800mm	1950mm
	59.1"	118.1"	7.9"			87.6"	149.6"	77"
TR710AD ATC	2000mm	3000mm	200mm	± 0.05mm/m	2100KGS	2724mm	3800mm	1950mm
	78.7"	118.1"	7.9"			107.2"	149.6"	77"
TR712AD ATC	2000mm	4000mm	200mm	± 0.05mm/m	2300KGS	2724mm	4800mm	1950mm
	78.7"	157.5"	7.9"			107.2"	189"	77"

Outstanding Features:

- Syntec controller with USB connection and a magnetic hand-held manual controller (Extremely Easy Functions)
- With 9.0kw HSD high-frequency automatic tool changer spindle
- TigerTec helical rack and pinion and linear guide ways for each of X/Y/Z -movements
- Powered by Yaskawa servo driving system
- Work surface is constructed bakelite with T-slot tracks
- Carrousel automatic tool changer, 12 holder positions for the ISO30 chucks driven by servo system.
- Automatic tool length calibration device < tool touch off >

Applications:

- Sign Making
- Musical Instruments
- Wood Working
- Plastics
- Foam
- Prototyping
- Model Making
- Education
- General Fabrication
- Furniture making
- Craft Making



SHOP Series

-Economical Cutting Solution

Do you need to make cuts, but want machines with high value, performance and cost-effectiveness? That's where our model CNC Router TR408SHOP comes in. This model is really designed for simplicity and ease-of-use. An optional vacuum working table is available to help you hold down your project.



Outstanding Features:

- 1240*2460mm (4' x 8') process area
- Easy to Use Hand-held controller
- With a 3.0KW HSD high frequency spindle
- TigerTec rack pinion and Linear rails on all 3 axis
- Maintenance free brushless stepper drive motors
- T-slot working table with T-clamp for fixing the processing materials

Applications:

Ideal for Sign Making, Prototyping, Model Making, Engraving, Woodworking, Metal Engraving, Plastics, Foam, Educational Applications and General Fabrication. Designed to cut a multitude of materials such as composite materials, foam, plastic, solid wood, soft wood, acrylic, MDF, bamboo, PVC, double color board, brass, copper, aluminum and ACP etc.

Technical Data

Model No.	Process Area			Accuracy	Weight	Foot Print		
	X	Y	Z			W	L	H
TR408 SHOP	1240mm	2460mm	200mm	± 0.05mm/m	1000KGS	2000mm	3000mm	1950mm
	48.8"	96.9"	7.9"			78.7"	118.1"	77"
TR510 SHOP	1550mm	3050mm	200mm	± 0.05mm/m	1200KGS	2250mm	3500mm	1950mm
	59.1"	118.1"	7.9"			88.6"	137.8"	77"



Foundry Pattern Machine

TigerTec PT710 is designed with flexibility in mind and you can use this model for any CNC project in foundry industry. We use more stronger parts for the whole machine to ensure you can get higher accuracy and speed, but with an affordable price. We also offer some options for this machines, different power of spindles, motors and special size as request.



Technical Data

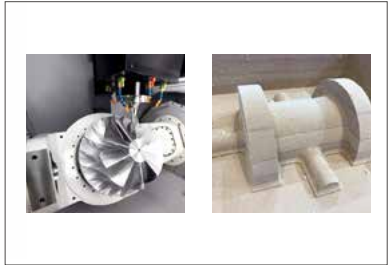
Model No.	Process Area			Accuracy	Weight	Foot Print (W×L×H)		
	X	Y	Z					
PT510	1500mm	3000mm	800mm	± 0.03mm/m	7500KGS	3400mm	4570mm	2500mm
	59.1"	118.1"	15.7"			133.9"	179.9"	99"
PT710	2000mm	3000mm	800mm	± 0.03mm/m	8500KGS	3400mm	4700mm	2500mm
	78.7"	118.1"	23.6"			133.9"	185"	99"
PT712	2000mm	4000mm	800mm	± 0.03mm/m	9500KGS	3400mm	5700mm	2500mm
	78.7"	157.5"	35.4"			133.9"	224.4"	99"

Outstanding Features:

- Heavy-duty welded steel structure guarantees solidity and absence of vibration, for consistent product quality over time
- Installation of linear rail for X-Y-axis with metal block is designed to increase precision and reliability standards for the execution of machining operations.
- Wide range of table sizes available covers all the standard panels size in the nesting industry and customers can choose the most suitable machine for their needs

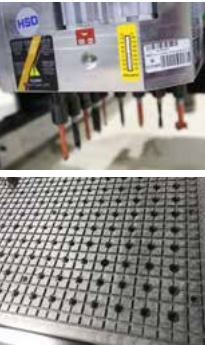
Applications:

Solid wood, styrofoam, wax, plaster of paris, aluminum and foam patterns are well suited for high speed milling. 3-axis CNC machines is particularly suitable for automotive foam mold, Value body industries wooden ship model, wooden model aviation, trains and other wooden mold. This size allows us to minimize setup times and cut patterns larger than the industry norm.



CNC Nesting Process Center

CNC - Machining center routing nesting drilling is the gantry machining center with robust, well-balanced structure, designed for Nesting applications of wood and wood based materials, but also plastic based and non ferrous materials machining to handle demanding machining requirements without compromising product quality by quick and reliable delivery times.



Technical Data

Model No.	Process Area			Accuracy	Weight	Foot Print (W×L×H)		
	X	Y	Z					
TZ408-12-9A	1240mm	2460mm	200mm	± 0.03mm/m	3500KGS	2768mm	4025mm	2300mm
	48.8"	96.9"	7.9"			109"	158.5"	91"
TZ612-12-9B	1800mm	3600mm	200mm	± 0.03mm/m	4500KGS	3770mm	5350mm	2300mm
	70.9"	141.8"	7.9"			150"	210"	91"

CNC Labeling Machine

With the ability labels on the router table before nesting has helped boost panel processing capability



Outstanding Features:

- High precision and reliability over time
- High processing flexibility
- Maximum productivity, minimum footprint.
- Full production at a competitive price
- Machine customization depending on different production requirements

Applications:

Wooden door, kitchen cabinet, wine cabinet, game cabinet, panel furniture, office furniture, closet, customized furniture, table, chair, voice box, cupboard door, stereo wave board, etc. Suitable for standard or bespoke production.



Cabinet Machine Center With Twin Table

Twin table CNC woodworking machine center is customized specialize in panel furniture and cabinet. With a professional design and disassembly software, truly intelligent parametric design, completely solve the difficulties of custom furniture styles and various size, to make customization more arbitrary.



Technical Data

Model No.	1325M	1325H
Working size	1240mm×2460mm×200mm, twin table	1240mm×2460mm×200mm, twin table
Spindle	1.5KW+6.0KW HSD spindle, with 5+4 vertical boring unit	9.0KW HSD ATC spindle, carousel tool magazine, with 5+4 vertical boring unit
Tool holder	ER25/ER32	ISO30
Software	Cabinet Vision nesting program	Cabinet Vision nesting program

Multi-Boring Machine



Outstanding Features:

- High precision and reliability over time
- High processing flexibility
- Maximum productivity, minimum footprint.
- Full production at a competitive price
- Machine customization depending on different production requirements

Applications:

Wooden door, kitchen cabinet, wine cabinet, game cabinet, panel furniture, office furniture, closet, customized furniture, table, chair, voice box, cupboard door, stereo wave board, etc. Suitable for standard or bespoke production.



CNC Plasma Cutter

TigerTec CNC plasma is easy to use cutting plasma machine. The machine is equipped with a stand-alone controller that can process files from different CAD/CAM software. It's equipped with an automatic torch position control to ensure a good cutting even on non-flat surfaces.



Outstanding Features:

- Plasma power: Thermal Dynamics or Hypertherm
- Input currency: 45A/65A/85A/105A/125A/200A
- Driving system: Stepper driving system or servo driving system
- Power frequency: 50Hz/60Hz

Applications:

CNC plasma machines can handle virtually any metals. Our plasma machines are mainly used on automobile, railway, advertising industry, plate processing, construction and carpentry, heavy machinery, engineering machinery and other industries.

Technical Data

Model No.	Process Area			Accuracy	Weight	Foot Print		
	X	Y	Z			W	L	H
TR203P	600mm	900mm	100mm	± 0.1mm/m	200KGS	874mm	1700mm	1200mm
	23.6"	35.4"	3.9"			34.4"	66.9"	47.2"
TR408P	1240mm	2460mm	100mm	± 0.1mm/m	1000KGS	2100mm	3500mm	1950mm
	48.8"	96.9"	3.9"			82.7"	137.8"	76.8"
TR510P	1550mm	3050mm	100mm	± 0.1mm/m	1800KGS	2200mm	4500mm	1950mm
	59.1"	118.1"	3.9"			86.6"	177.2"	76.8"
TR710P	2000mm	3000mm	100mm	± 0.1mm/m	2000KGS	2200mm	4500mm	1950mm
	78.7"	118.1"	3.9"			86.6"	177.2"	76.8"



Mini Series **CNC Router** TR203B

TigerTec CNC router TR203B is a popular model designed for sign making shops, wood engraving workshop. We use ball screw and stepper driving system for 3 axis. The economic model with an affordable price is good for new starters.

We offer a dust protection system for the ball screw and linear rails. You do not need to clean the machine after use.



Outstanding Features:

- Easy to use hand-held controller
- No need to clean the machine after use
- Brushless micro stepper motors and controls

Applications:

Ideal for small part production, prototyping, model making, metal engraving, woodworking, sign, educational applications and very advanced hobby applications. Designed to cut a multitude of materials such as composite materials, foam, plastic, wood, acrylic, MDF, bamboo, PVC, double color board, brass, copper, aluminum and ACP and so on.

Technical Data

Model No.	Process Area			Accuracy	Weight	Foot Print (W×L×H)		
	X	Y	Z					
TR203B	600mm	900mm	150mm	± 0.05mm/m	250KGS	1200mm	1700mm	1200mm
	23.6"	35.4"	5.9"			47.2"	66.9"	47.2"



Intelligent Stone Working Center

The intelligent stone working center is very easy to use, versatile and has great autonomy. It can make holes, edging, polishing and engraving. It is great choice for washbasin, cabinet table and special design stone, ceramics, glass and microlite. It can work the whole processing products and get high accuracy finishing. We can run different designs in one program to improve efficiency.



Technical Data

Model No.	Process Area			Accuracy	Weight	Foot Print (W×L×H)		
	X	Y	Z					
TR408S	1240mm	2460mm	520mm	± 0.05mm/m	3200KGS	2600mm	4500mm	2450mm
	48.8"	96.9"	20.5"			102.4"	177.2"	97"

Outstanding Features:

- Beltdriven Manual /Automatic Tool change Spindle
- Linear tool changer
- High Accuracy and longevity
- Angle drive with automatic tool changing for 3 functions
- Drilling, sanding, chamfering of edge and carving are made in one operation
- This process allows an accurate work $\pm 0.03\text{mm/m}$ and a perfect alignment of the rails

Applications:

We can work on natural marble, granite, sandstone, artificial stone, ceramic tile, metal edging and drilling holes. Widely applied in the field of historical monuments, building&landscaping, slabs manufacturer, architecture concrete, monuments, sanitary ceramic, marble slates, kitchen and bathroom countertops and so on.

Each path of the cutting on the hard materials can reach 3mm and marble can be 5mm.



Our CNC Router Options

- * Different working size upon request.
- * Different power of spindle motor available upon request.
- * Germany Becker Pump
- * Double layer multi holes vacuum table
- * T-slot table or T slot vacuum table
- * Pneumatic reference locator pins (for aligning work piece)
- * Mist cooling system
- * Lubricating system
- * Dust collector
- * Different controller
- * Different software

What Can Our Machines Do?

CNC Routers with rotary axis is one of the state of the art CNC machines designed and developed for carving industry focusing on cylindrical as well as flat engraving/carving and cutting application with its 4th axis in place making 3D carving on cylindrical surface on any wood.

CNC Routers with oscillating knife and CCD can work on the standard materials which the normal CNC Router process; oscillating knife can cut the materials like cardboard, foam panel, mat board, carpet or rubber, and special-shaped sponge, corrugated paper, adhesive sticker, KT board, etc. CCD can cut the printed patterns at reasonable cost.

CNC Routers with double spindle The big one is for cutting and the small one is for grooving or drilling. It saves time of changing different tools.

CNC Routers with double Z axis Double spindles can work at the same time, so it greatly improves the plate processing speed and complete the work efficiency of the two equipment at the same time.

Heightened z-axis is for high materials.

Customized Machines



Customized Machines



We work
with the **best**



