

MULTI-FUNCTIONAL AUTOMATIC CNC ROUTERS

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TR408AD / TR510AD

MULTI-FUNCTIONAL AUTOMATIC CNC ROUTER



FEATURES

TigerTec TR408AD / TR510AD is an exceptionally robust machine and has been designed with flexibility in mind. It has an extremely high accuracy and speed. The entire machine body is made by high accuracy CNC machines. The milling and drilling of the parts used in making the machine is also done by CNC machines. As a result of the heavy structure, the machine bed is really strong and there is very less vibration while working. The machine provides a tremendously high accuracy of 50 microns. This router is for clients who want immense quality of the products coming out of the machine.



APPLICATIONS

- Exhibition Stands : Large format routing for all requirements
- General Woodworking : Furniture, shop-fitting, scenery production and more
- Interiors : Multi-purpose routing and engraving in all materials
- Point of Purchase : Display stands, fixtures and fittings
- Scenery and Sets : Fast turnaround and high quality processing
- Sign-making : All types of 2D and 3D signs in woods, metals and plastics
- Solid Surface : Process modern and traditional materials

TECHNICAL PARAMETERS

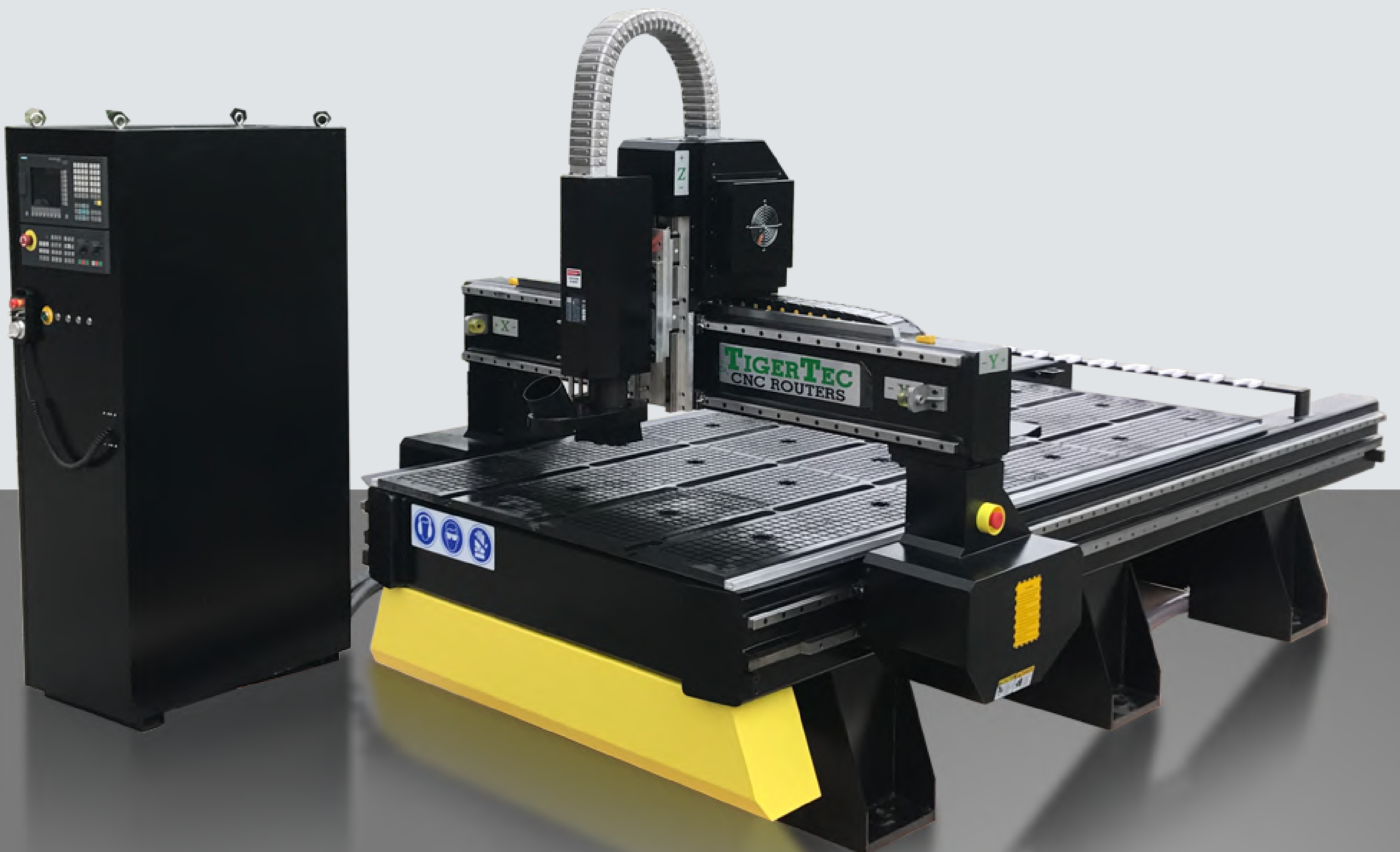
Lathe Structure	Heavy-duty welded steel structure made by VMC machines
X, Y, Z Working Area	1240 x 2460 mm / 1530 x 3050 mm
Max Travelling speed	45 m/min
Max Working Speed	30 m/min based on the processing materials
Machine Accuracy	± 0.05 mm/m
Spindle Power	6.0 kW Italian air-cooled spindle (ER32, 18,000 rpm) with tool sensor
Inverter	Delta Inverter (TAIWAN)
Operating System	Weihong NK105G2 DSP off-line control system
Working Table	T-Slot table, fixing materials by T- shape clamp Option: T-slot bakelite vacuum working table
Transmission	Rack and pinion Transmission with specialized sealed Linear rail for all the axis XYZ
Gear Reducer	Shimpo (MADE IN JAPAN)
Lubricating System	Manual lubricating system Option: Auto lubricating system
Command Mode	G code

TECHNICAL PARAMETERS

Interface	USB
Software	Type 3 software
Max. Power Consumption	12 kW
Net weight	TR408AD:1400 kg TR510AD:1600 kg
Power Input	AC380V / 3PH, 50/60 HZ

TR408AD - ATC

MULTI-FUNCTIONAL CNC ROUTER WITH AUTOMATIC TOOL CHANGE



FEATURES

TigerTec TR408AD-ATC has an extremely high accuracy and speed. It has been designed with flexibility in mind. The entire machine body is made by high accuracy CNC machines. The milling and drilling of the parts used in making the machine is also done by CNC machines. As a result of the heavy structure, the machine bed is really strong and there is very less vibration while working.



The machine provides a tremendously high accuracy of 50 microns. Because of the automatic tool changing system the production speed is very high, more than 30% higher than the usual CNC Router's production. Moreover, only one person is required to run the machine, reducing the labour cost of the plant. This router is for clients who want immense quality of the products coming out of the machine.



TECHNICAL PARAMETERS

Lathe Structure	Heavy-duty welded steel structure made by VMC machines
Working Area	1240 x 2460 mm
Table Size	1440 x 3040 mm
X, Y, Z Travelling Positioning Accuracy	± 0.03/1000 mm
X, Y Structure	Herion (made in Germany) rack & pinion drive with linear rail bearings
Z Structure	Herion (made in Germany) rail linear bearings & ball screws
Power Consumption with Spindle (Max)	20.0 kW
Max. Speed	90 m/min
Max. Working Speed	45 m/min
Sindle Power Motor	9.5 kW, HSD (made in Italy) spindle
Spindle Speed	24000 rpm
Working Mode	Servo motors from Yaskawa
Tool Holder	8 units ISO 30

TECHNICAL PARAMETERS

Automatic Tool Changer	8 Stations
Bed	Vacuum bed with clamping system
Pump	Vacuum pump from Becker (Germany) 140 cbm
Controller	Syntec (Taiwan)
MCB Contactor	Siemens
Gear Reducer	Shimpo (Japan)
Cables / Wiring of the Machine	IGUS (Germany)
Limit Sensors	Omron (Japan)
Collet	ER 32
Software	Type 3 Software
Interface	USB
Power	380 V / 50 Hz
Gross Weight	2800 kgs

TR710AD

MULTI-FUNCTIONAL AUTOMATIC CNC ROUTER

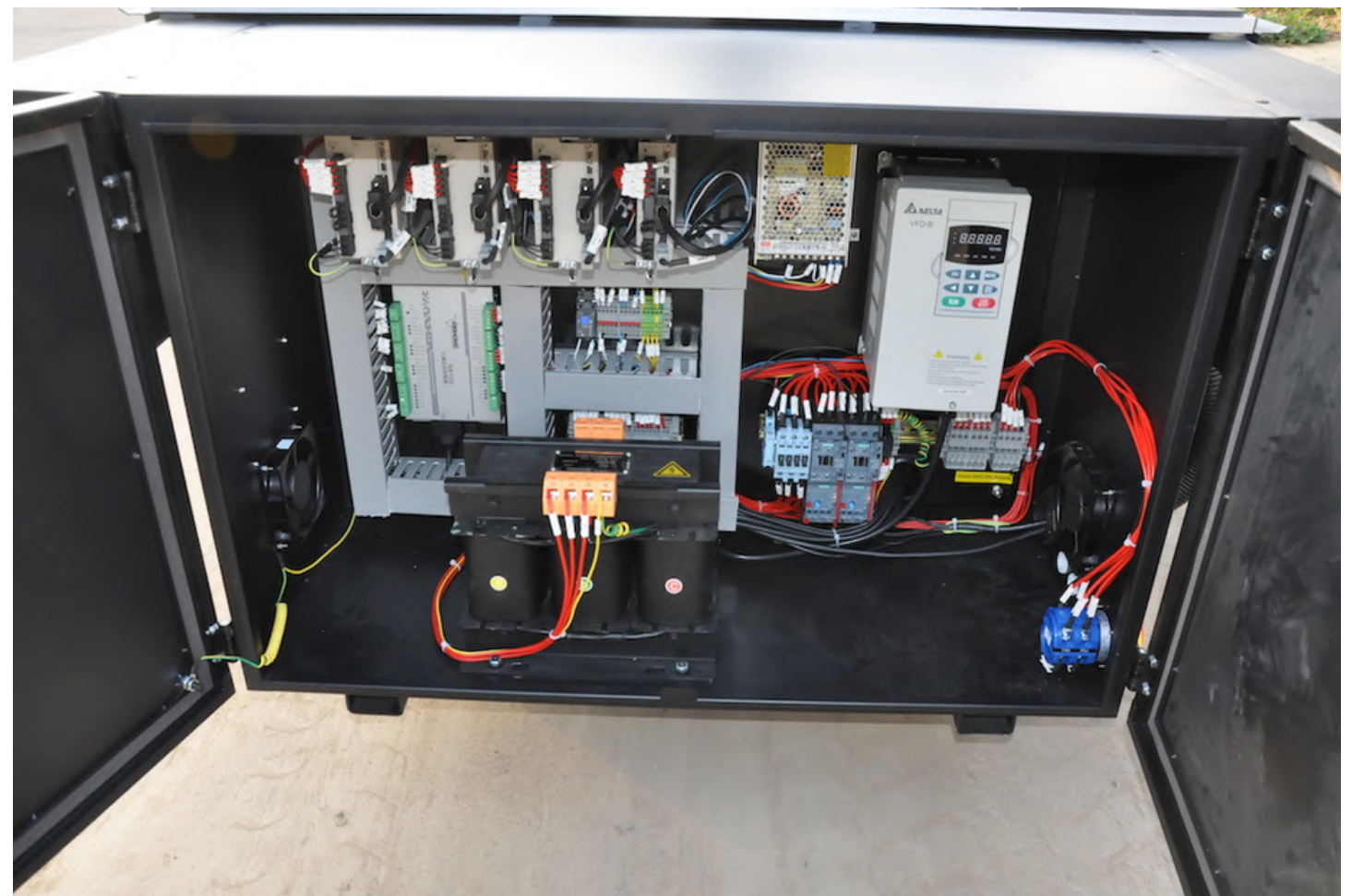


FEATURES

TigerTec TR710D is a larger size CNC router. In addition to all the features offered by TR408AD, it has the advantage of being able to work on large-sized materials. It can be made to work on multiple work pieces at the same time to optimize the time available and avoid reloading of materials.

It has an extremely high accuracy and speed. The entire machine body is made by high accuracy CNC machines. As a result of the heavy structure, the machine bed is really strong and there is very less vibration while working.

The machine provides a tremendously high accuracy of 50 microns which is not achieved in any other Chinese machine. This router is for clients who want immense quality of the products coming out of the machine.



APPLICATIONS

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- Scenery and Sets : Fast turnaround and high quality processing
- Sign-making : All types of 2D and 3D signs in woods, metals and plastics
- Solid Surface : Process modern and traditional materials

TECHNICAL PARAMETERS

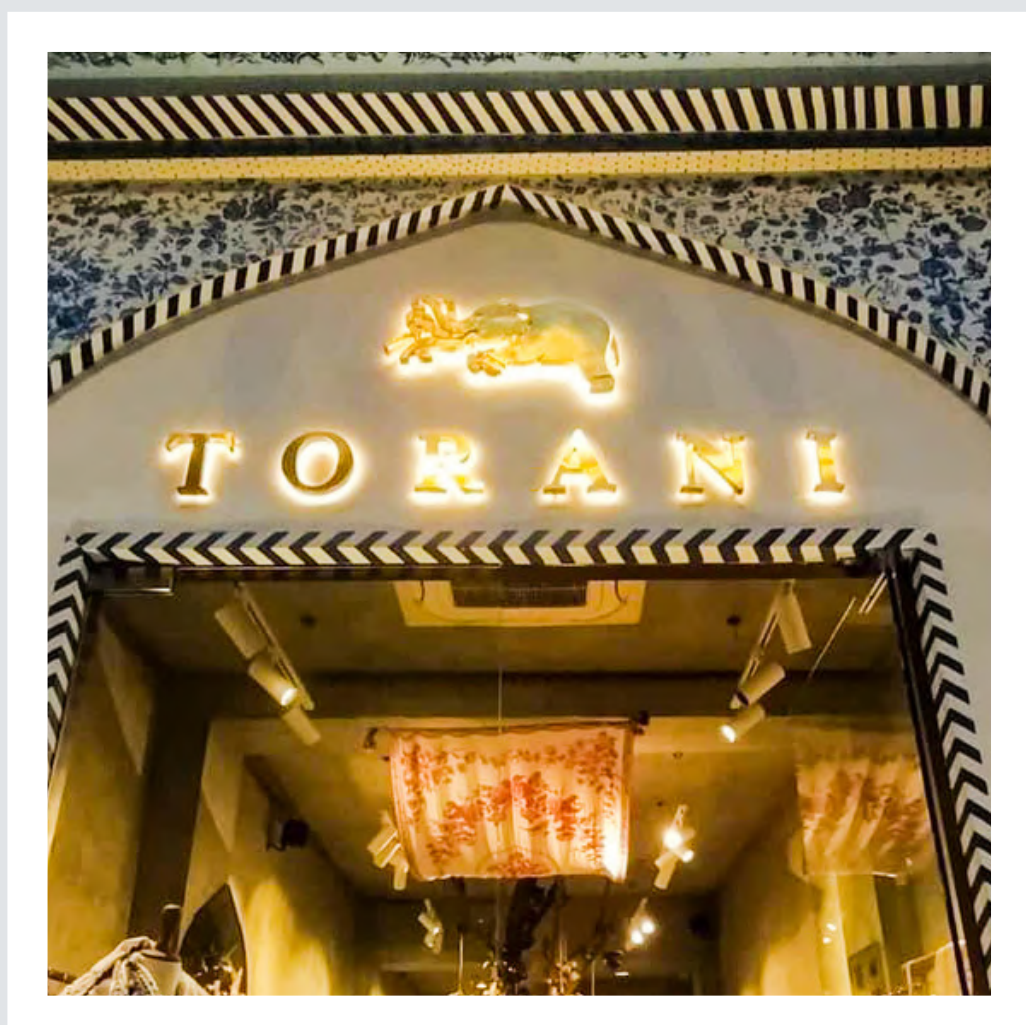
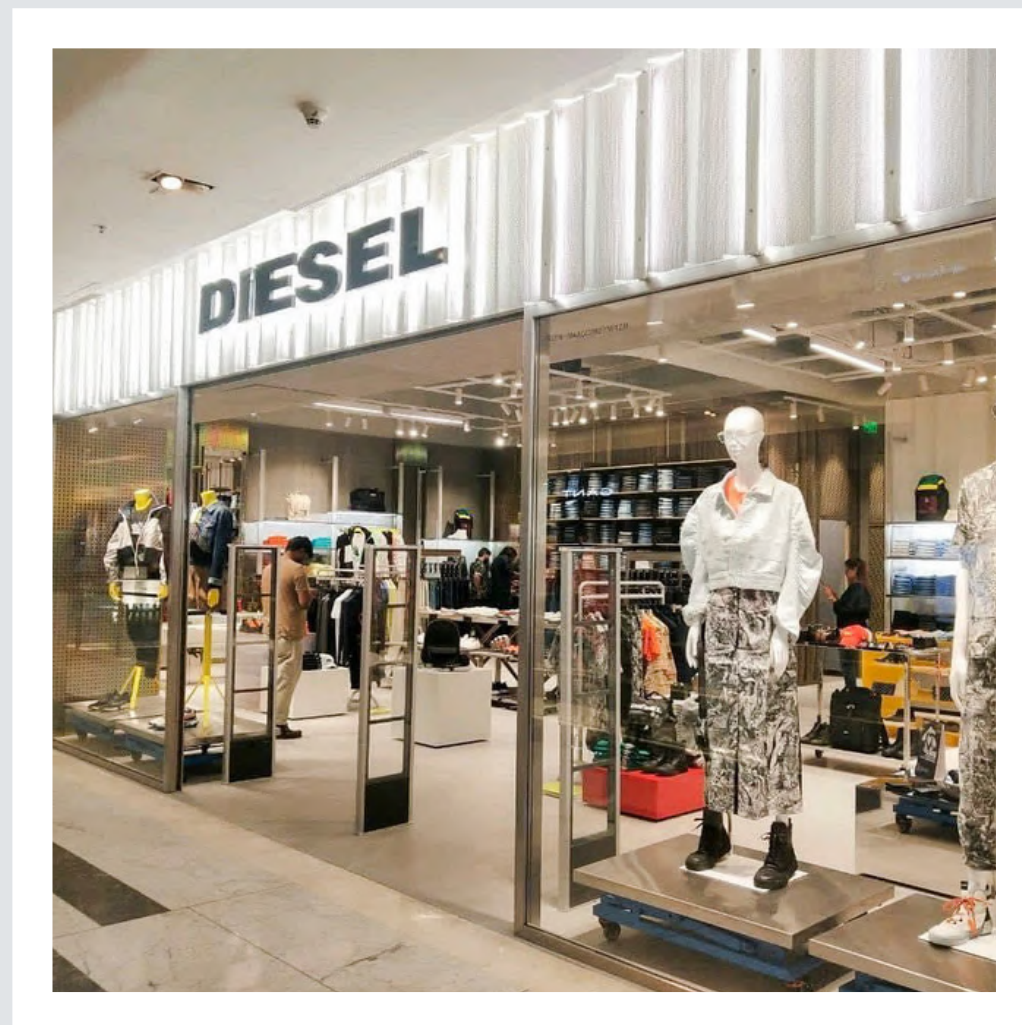
Lathe Structure	Heavy-duty welded steel structure made by VMC machines
Working Area	2000 x 3000 x 200 mm
Max Travelling speed	45 m/min
Max Working Speed	30 m/min based on the processing materials
Machine Accuracy	± 0.05 mm/m
Spindle Power	6.0 kW Italian air-cooled spindle (ER32, 18,000 rpm) with tool sensor
Inverter	Delta Inverter (Taiwan)
Operating System	Weihong NK105G2 DSP off-line control system
Working Table	T-Slot table, fixing materials by T- shape clamp Option: T-slot bakelite vacuum working table
Transmission	Rack and pinion Transmission with specialized sealed Linear rail for all the axis XYZ
Working Mode	Stepper driving system, with planetary reducer Option: Yaskawa servo motor from Japan
Gear Reducer	Shimpo (Made in Japan)
Lubricating System	Manual lubricating System Option: Auto lubricating system

TECHNICAL PARAMETERS

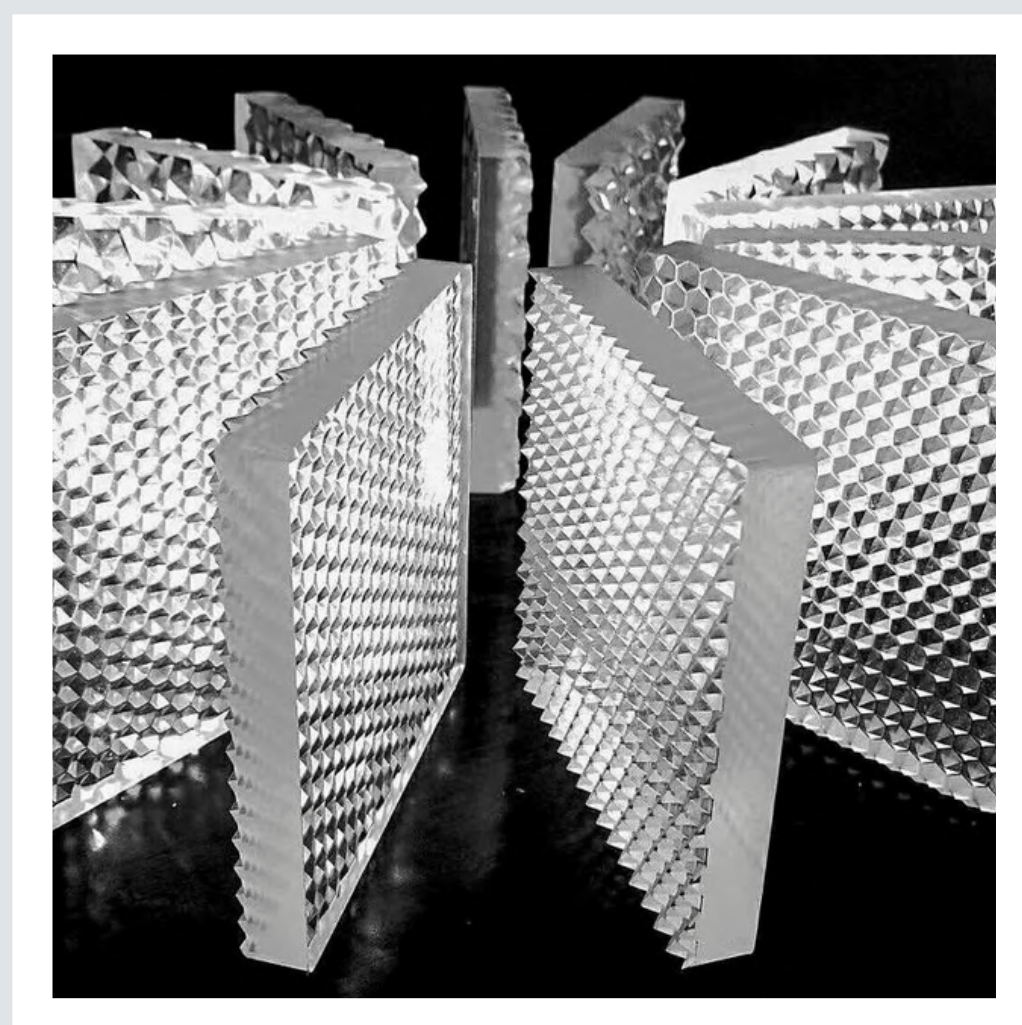
Command Mode	G code
Interface	USB
Software	Type 3 Software
Max. Power Consumption	12 kW
Net weight	2200 kgs
Floor space (L x D x H)	2650 x 4000 x 2250 mm
Power Input	AC380V / 3PH, 50/60 HZ

APPLICATIONS

SIGNAGES

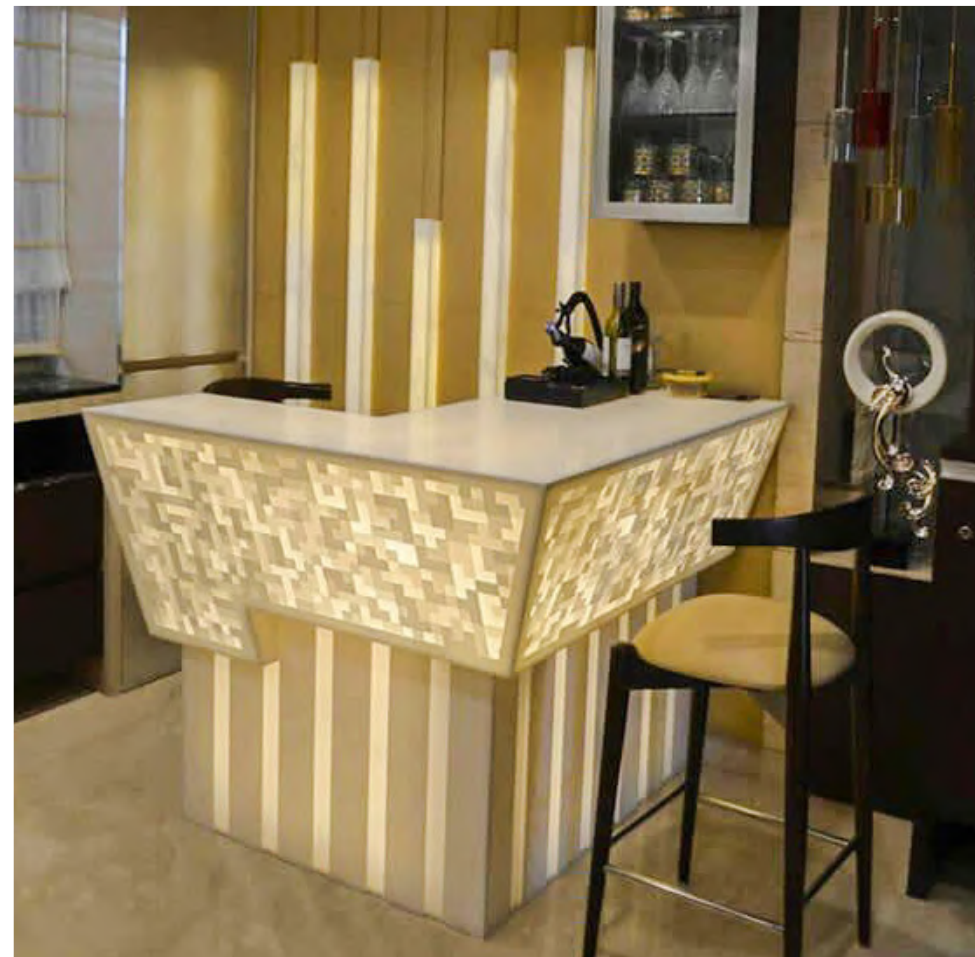
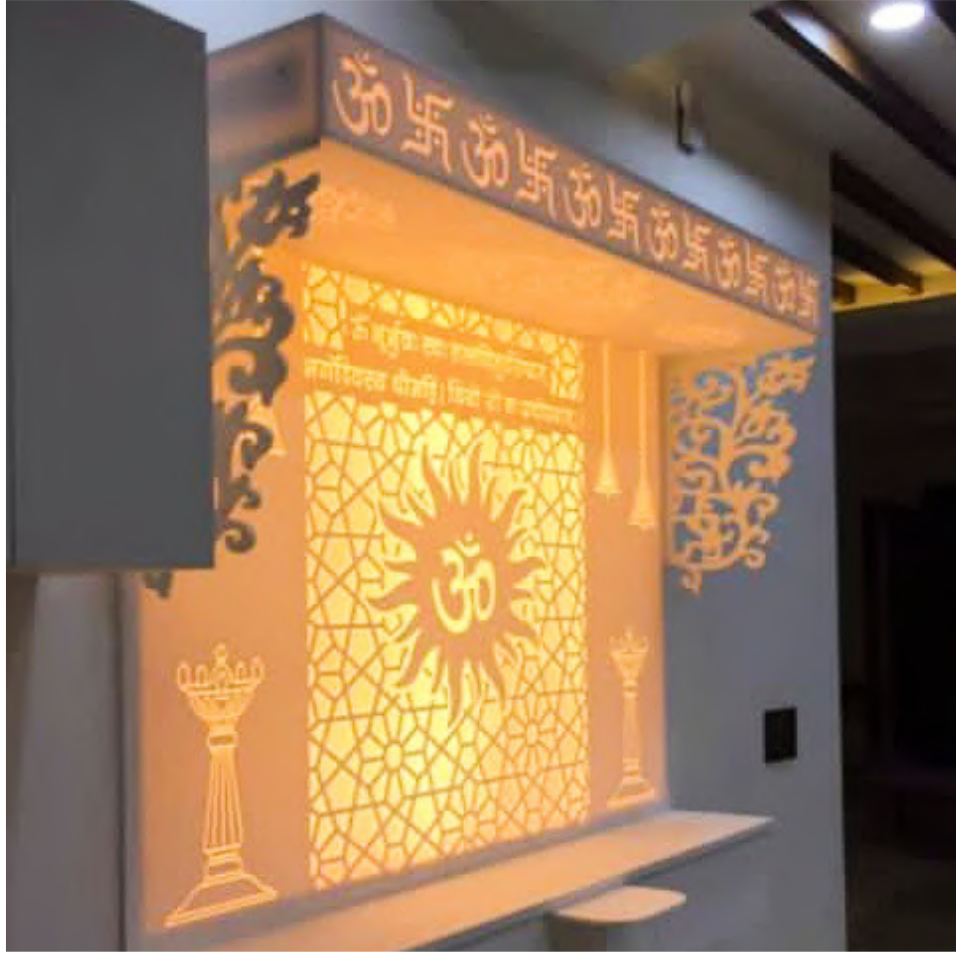


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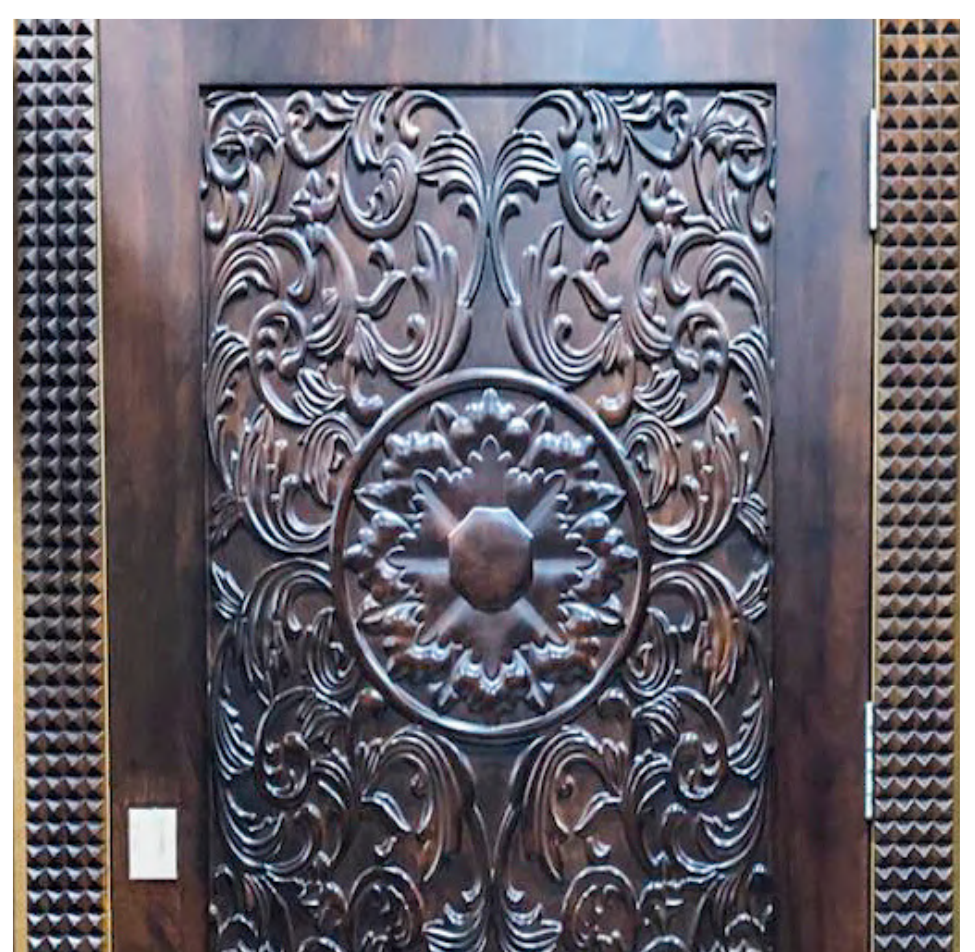


APPLICATIONS

CORIAN SHEET



DOORS



GET IN TOUCH



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