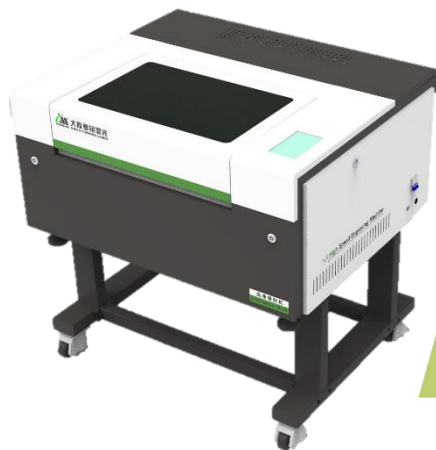
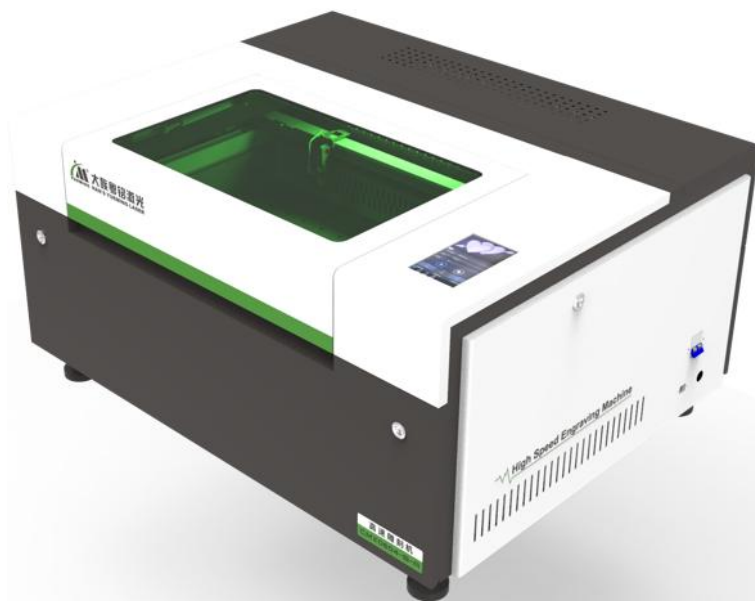




Model: CMX0604-A

Fast laser engraving machine with dual source

WORKING PARAMETER



Parameter	CMX0604-A
Working area	600mm*400mm
CO2 laser power	30~120W (RF metal tube)
Fiber laser power	20~50W MOPA (Optional)
Drive system	Brushless DC motor + linear guide rail + synchronous belt + incremental encoder
Max cutting speed	0.8m/s
Max engraving speed	2.8m/s
Max acceleration	5g
Repositioning Accuracy	±0.1mm
Graphic format	PLT,AI,DXF,DST,BMP,JPG,GIF,PNG, etc.
Work environment	Temperature: 5-40 ° C: Humidity: 5%-80%, without condensation
Power	1.85KW
Power supply	220V 50Hz/60Hz
Weight (machine)	185kg
Dimension	1200mm*815mm*570(Support frame not included)

ABOUT THE PRODUCT

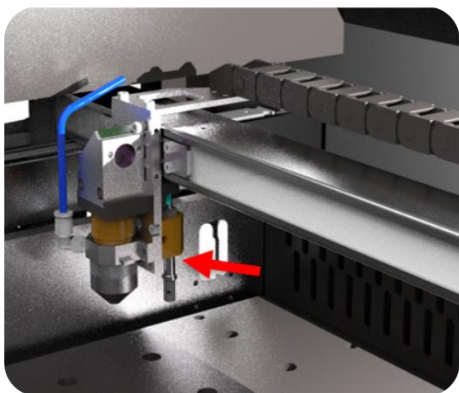


Equipped with a 7-inch touch screen and our company's latest independent research and development of uCut controller, acceleration up to 5G, the max engraving speed can support 2.8 m/s.

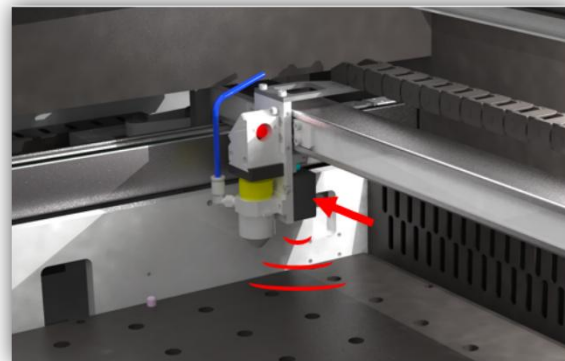


ABOUT THE PRODUCT

It supports the function of electric lifting and automatic focusing. The machine can automatically adjust the focal length according to the thickness of the product.



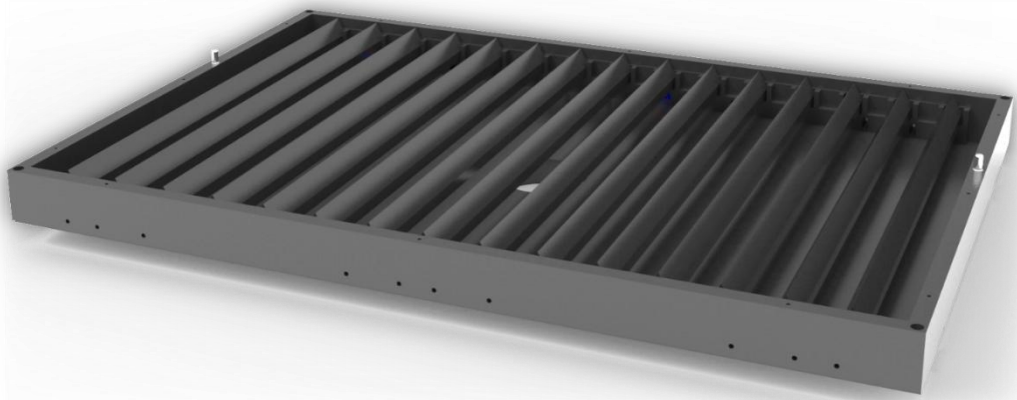
Standard with probe type sensor for automatic focus



Option: distance sensor for automatic focus

ABOUT THE PRODUCT

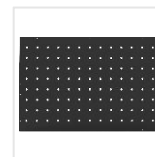
Multi-function workbench design, users can quickly and easily choose and replace the table according to the application, mainly: aluminum plate /aluminum knife edge /honeycomb table.



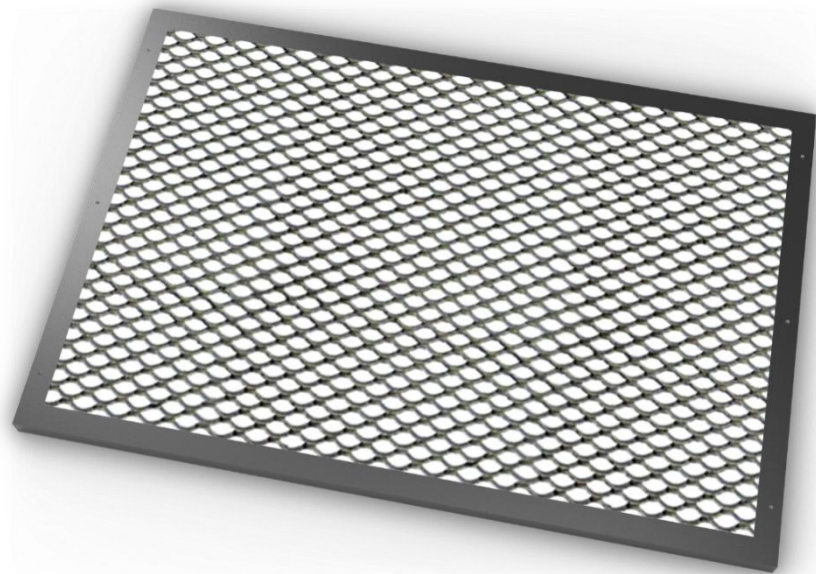
Aluminum knife table

Application :

Mainly used for wood, acrylic, two-color board, plastic board and other thick plate cutting and engraving



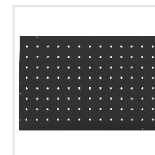
ABOUT THE PRODUCT



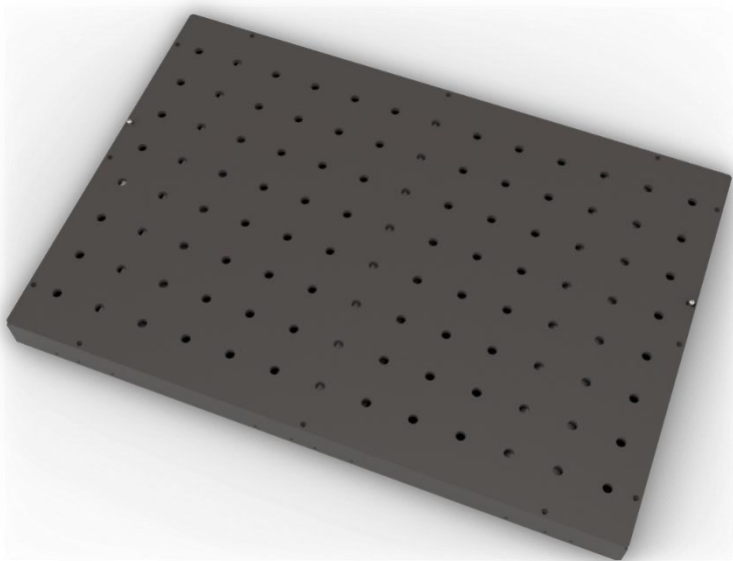
Honeycomb table

Application :

Mainly suitable for cutting and engraving of thin materials with low reflection and flat materials, such as cardboard, textile fabrics, leather and other thin materials



ABOUT THE PRODUCT

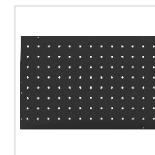


Aluminum plate table

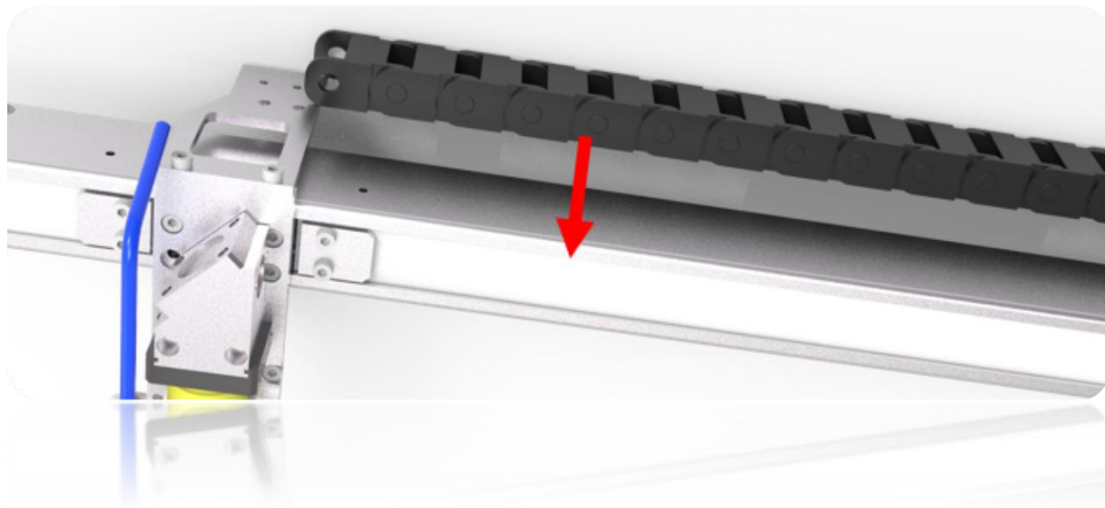
Application:

- Mainly suitable for wood, acrylic, two-color board, marble and other thick plate engraving, not suitable for cutting;
- Mainly suitable for engraving and cutting of thin materials with low reflection requirement, such as cardboard, paper foil and other materials;
- Mainly suitable for metal materials (copper, aluminum, alumina, etc.), plastic, glass and other engraving use;

Note: Fiber laser is only equipped with this table



ABOUT THE PRODUCT



The enclosed dust-proof beam is adopted to protect the linear guide from dust pollution and improve the service life of the linear guide.

ABOUT THE PRODUCT

It can be installed with CO2 laser and fiber laser at the same time to support the processing of metal and non-metal.

Laser power from 30W to120W.



CO2 laser source

Chinese brand 30W laser source



ABOUT THE PRODUCT



CO2 laser source

Chinese brand 60W laser source



ABOUT THE PRODUCT



CO2 laser source

Imported laser source
From 50W to 120W



ABOUT THE PRODUCT

Now only install the Chinese brand fiber laser source ,other brand can be selected according to actual requirements.
Laser power 20W/30W/50W

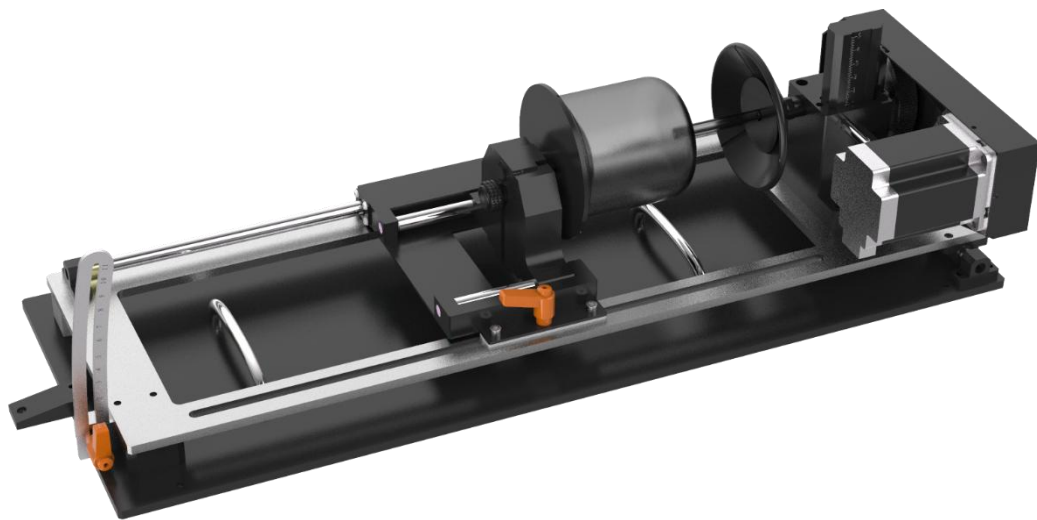


MOPA laser source

Chinese brand
20W/30W/50W

ABOUT THE PRODUCT

Plug and play rotary fixture, which supports /roller rotary fixture

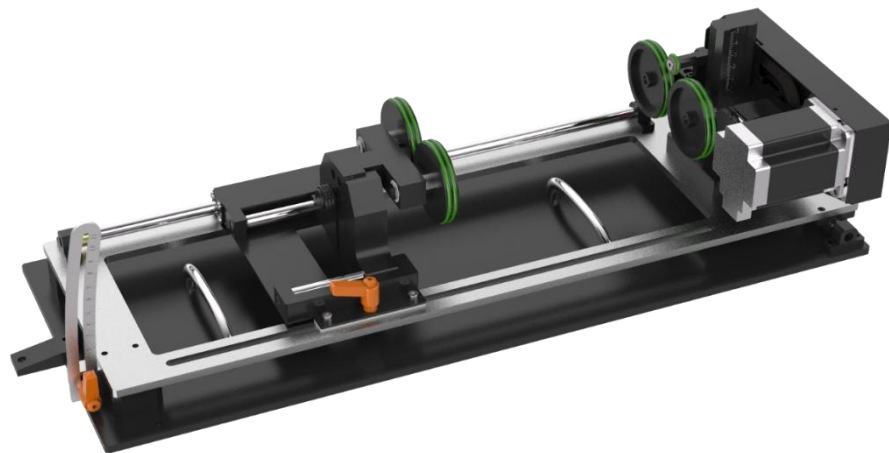


Tilting rotary fixture

Max angle: 11 degrees
Length of workpiece < 290mm
Diameter of workpiece < 120mm
Weight of workpiece < 3kg



ABOUT THE PRODUCT



Roller rotary fixture

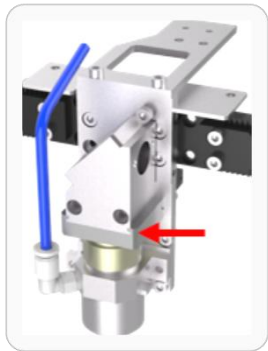
Length of workpiece < 500mm

Diameter of workpiece <
40mm (lifting height limit)

Weight of workpiece < 10kg

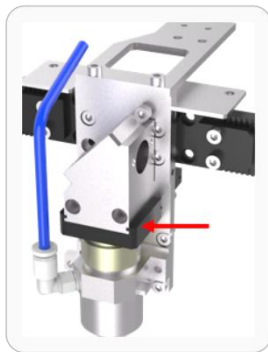
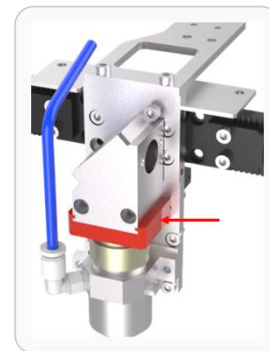


ABOUT THE PRODUCT



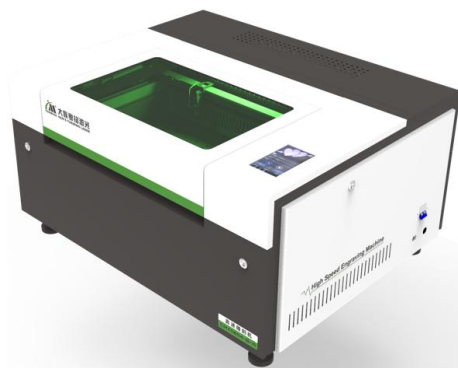
The silver base is the hybrid (Flexx) focusing lens base, which can support CO₂ and fiber laser. Four models : 38.1mm, 50.8mm, 63.5mm and 76.2mm.

The red focusing base is special for optical fiber. Two models: 50mm and 100mm.



The black base is special for CO₂. Four models : 38.1mm, 50.8mm, 63.5mm and 76.2mm.

ABOUT THE PRODUCT



Portable version



Standing version

ABOUT THE PRODUCT

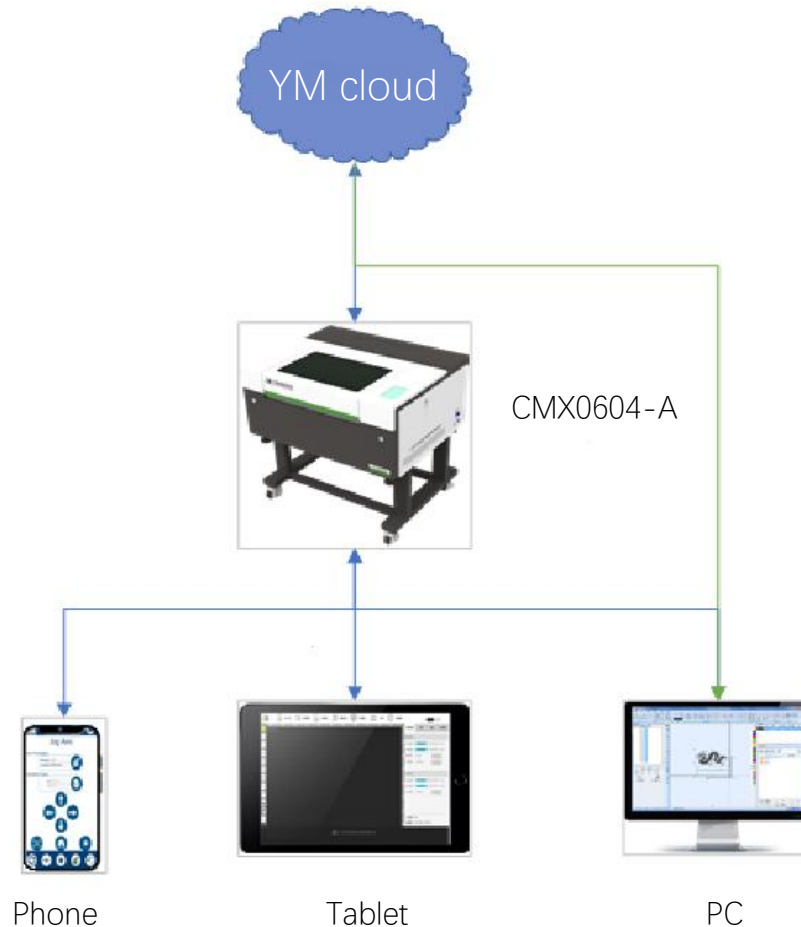
Smoke purifier is optional .It can reduce the pollution, flame and extend the service life of laser equipment.



- Users can choose different models according to the different products.
- XL-300 is mainly used in fiber laser processing products, due to less dust.
- XL-500 and XL-700 are mainly used for CO2 laser. CO2 laser is mainly for processing wood, acrylic and other non-metallic materials. During engraving ,it will produce a lot of smoke.

Software Introduction

- The device can be connected to YM smart cloud.
- Download and upload from the cloud process library and cloud image library.
- It can also be connected to cloud monitoring to realize the remote diagnosis.
- It can support mobile phone, tablet, laptop and PC to control the device.

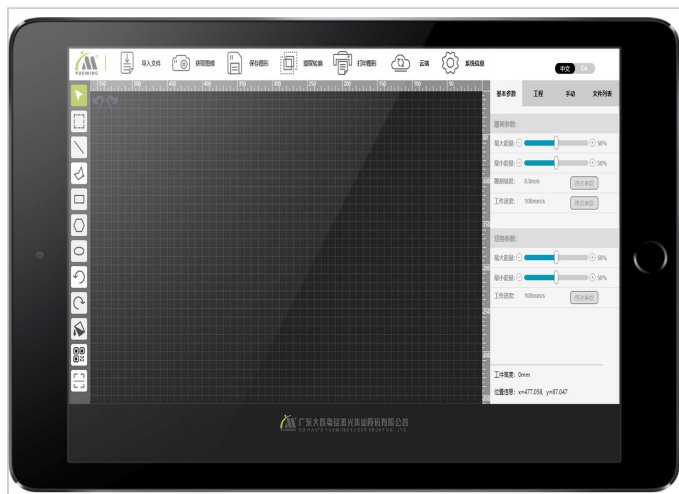


Software Introduction

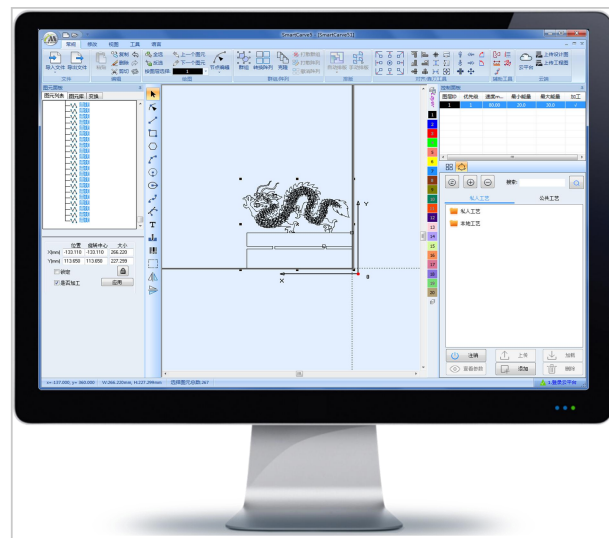
Users can use the terminals (Mobile Phone, Pad, PC) to connect to the device through the web terminal to realize the control and the output of processing drawings.



Phone



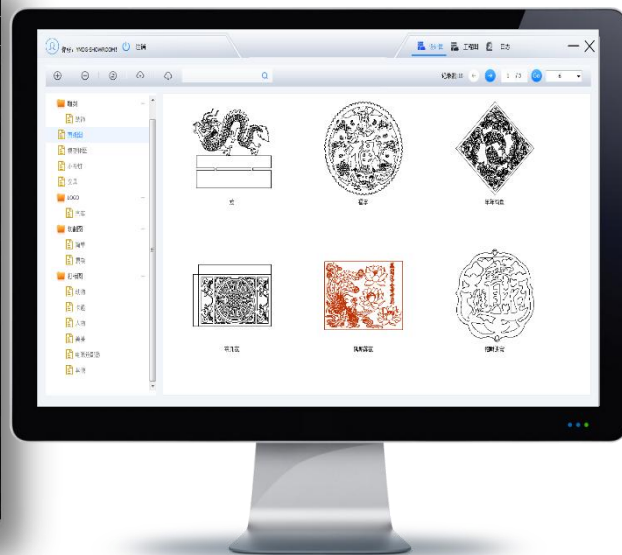
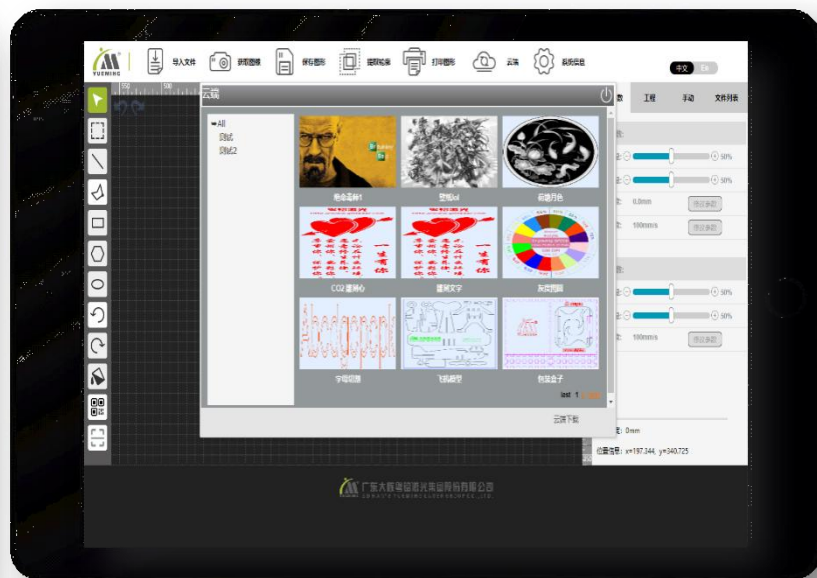
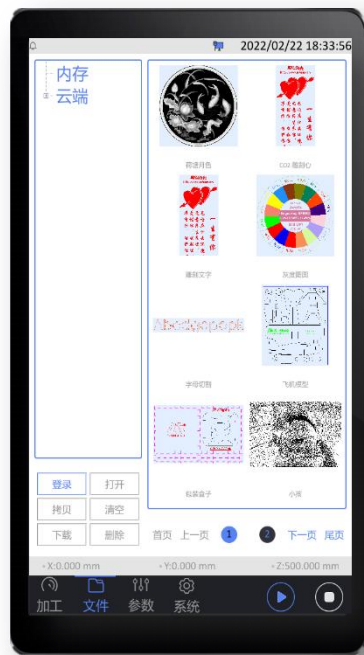
Web control for any terminals



SmartCarve5 control software can be combined with the PC/laptop of Windows system

Software Introduction

Device controller, Web software and SmartCarve5 control software can be directly connected to YM Smart cloud for file upload/download, as well as process data upload/download.



Touch screen software cloud interface

Web cloud interface

PC SmartCarve5 cloud interface

Deep engraving comparison between CMX and other brand

From the engraving effect below, the details engraved by CMX are better than other brand . The patterns of CMX are clear.



CMX engraving effect



Other brand effect

APPLICATION



Acrylic deep engraving



Basswood deep engraving



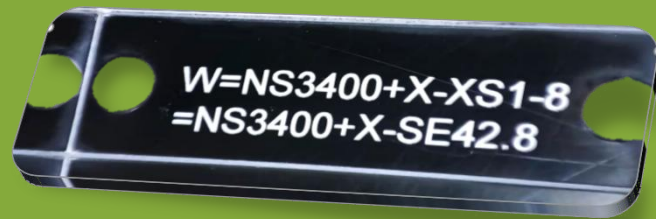
APPLICATION



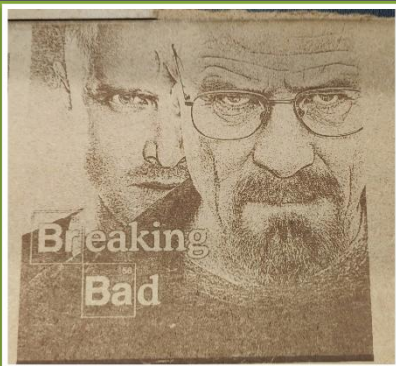
Black walnut deep engraving



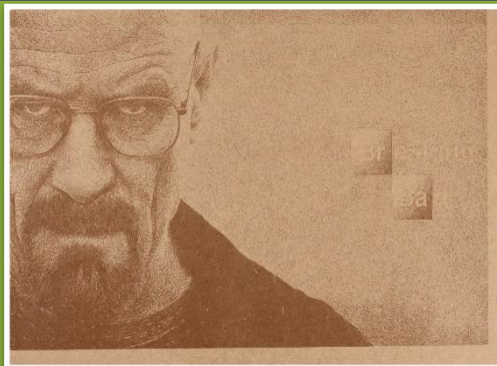
Beech deep engraving



Two-color plate engraving



MDF relief engraving



MDF relief engraving



MDF relief engraving

APPLICATION



Aluminum plate engraving



Stainless steel black engraving



Basswood cutting



Aluminum plate engraving



Brass engraving



Metal cylinder rotary engraving

APPLICATION



Jeans engraving



Fabric engraving



Cutting sample



Cutting sample



Cutting sample



Engraving sample

Cooperation Win-win Appreciation Sharing

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