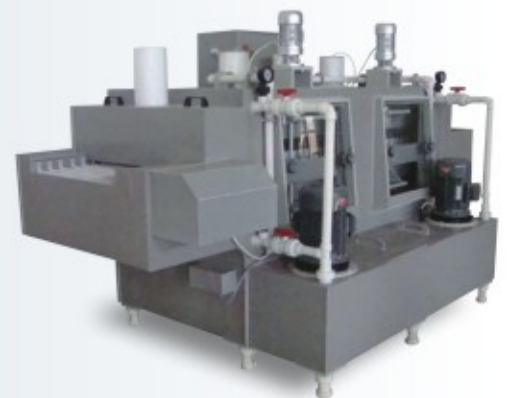




Splash Etching Machine



Double Surface Spraying Etching Machine



Swing Etching Machine



Sign Coloring Machine



ISO 9001:2000

## Etching / Cutting Machine

### Splash Etching Machine - KR-PJ

#### Technical Parameter

Machine Dimension	1250 x 820 x 960 mm
Maximum Work Area	1000 x 700 mm
Voltage	220V / 380V
Maximum Power Consumption	3.5 kw
Etchant Cubage	25L
Control Method	Titanium heater, 220V / 2 kw

etching of the aluminum plate which will produce more dregs after etching. Its construction is very easy, occupy very little space  
We can provide different size machines as per your requirement.

#### Application

This machine is enough for the single-surface etching of the picture and words, such as the metal signs, factory signs, power signs, machinery signs and so on, you needn't to worry the etching efficiency of small words and hairy shank.



#### Equipment Description

This machine is specialized in the fast etching for the metal sign's picture and words. It operates easily and heats up rapidly. It can make high productivity, and the etchant consume little..

For the metal etching, especially for the anti-etching, it can achieve to the best smooth. This machine is designed for the

### Double Surface Spraying Etching Machine - KR-P

#### Technical Parameter

Transmittal Width	400mm / 600mm / 800mm / 1000mm
Work Length	No limited
Etching Area Length	1000mm / 1000mm / 1200mm / 1500mm
Transmittal Method	Automatic Transmittal, Timing Stepless
Voltage	220V / 380V
Maximum Power Consumption	4 kw / 4.5 kw / 5.5 kw / 8 kw

#### Equipment Description

This machine is made of PP plate which is heat-resisting and etching-resisting. It controls the temperature automatically, timing stepless and automatic transmittal. The quality, efficiency, steady of products is very perfect under the high-pressure's spraying.

It is not only applicable to the single-surface etching of picture and words, but also for the double-surface etching and plate's carving. It also can used as the develop machine, it develops fast with good efficiency. Besides it also can be used as the removing machine and cleaning machine, so you needn't require the relevant professional machine, so it reduces the cost. The transmittal width and the etching length can be produced according to your request.

#### Application

This machine is the automatic equipment which is fit for the etching of Gold Card, Medal, Emblem, Picture and Words, Arts and Crafts which all in high precision.



### Precision Swing Etching machine - KR-J1

#### Technical Parameter

Transmittal Width	400mm / 600mm
The Etching Area's Length with Single Window	900 mm
Transmittal Method	Automatic Transmittal, Timing Stepless
Temperature Control	Automatic
Voltage	380V
Solution Cubage	250L / Window



## Equipment Description

This machine is made of PP plate which is heat-resisting and etching-resisting. Its has all the advantages of the common spraying etching machine, besides its construction is more perfect and reasonable with its spraying and swing, it is designed for the exact carving, cutting, also for the thick plate's carving, cutting. For the small work piece with high precision, we suggest you use the one-window or two-windows swing etching machine and for the plate that the thickness is more than 0.5mm, such as glass's frame, the four-windows swing etching machine is the best choice. The machine carves and cuts with perfectly precision, fast speed, high productivity, and makes the most of the chemical, save the produce cost. The transmittal width and the etching length can be produced according to your request.

### Application:

It is applicable to high precision, high grade metal plate ceremony jewelry, high precision sheet metal electronic components manufacture processing requirements (such as the metal grid, metal grating decoder, mobile phone keypad metal panels, metal mesh, precision filters).

## Exposing Unit

### Single Surface Vacuum Exposure Machine - KR-B1

#### Technical Parameters

Machine Dimension	1100 x 900 x 900 mm
Maximum Work Area	1000 x 800 mm
Voltage	220v
Maximum Power Consumption	1.5 kw
Control Method	Automatic Time Control, Shutter Control



#### Equipment Description

The equipment is applicable to the common precision exposure, this machine is cooled by the strong wind, strong vacuum absorption, automatic time control and shutter to expose. Besides the importing vacuum cloth is very soft with good leak tightness. It can work for a long time continually, with good precision and high efficiency. Now it is the improved product instead of the common exposure machine and is the best necessary machine for the sign-making company. We can provide different size machines according to your requirement.

### Application

It can expose the metal plate as well as the screen plate.

### Semi Automatic Double Surface Exposure - KR-B2

#### Technical Parameters

Machine Dimension	920 x 1800 x 1850 mm
Maximum Work Area	500 x 700 mm
Voltage	380v
Maximum Power Consumption	4.5 kw
Control Method	Automatic Time Control, Shutter Control



#### Equipment Description

The equipment is the more advanced double-surface machine with high precision. It has two buttons to control the shutter on up and down, two systems working separately. This machine is cooled by strong wind and strong vacuum absorption. It can work for a long time continually, double-surface exposure for the plate's carving, cutting with good precision and efficiency. The importing vacuum film has perfect transparence. We can provide different size machines as per your requirement.

### Application

This machine is applicable to the gold card, metal sign, mesh plate, filter plate, metal crafts, precise carving of manufactured goods and double surface etching crafts such as perforation.

# Metal Sign Coloring Machine

**KR-S1**

## Technical Parameter

Maximum Work Area	300mm x 400mm
Maximum Power Consumption	500W
Voltage	220V
Work Method	Hanging



## Equipment Description

This machine is designed to color by electrophoresis, color the metal sign's pattern with colourful oils by electric. no trace, no harm the plat, smooth and bright, mainly for the grounding, multiword, smay word's colouring, its productivity is far more than the old spotting coloring, also no harm the plate's surface.

## Application

Used to single colouring for Mirror Board, Titanium ,Stainless, Aluminum, Large-scale Plates and so on.

## Method of Etching Process

1. Clean and dry the sheet before etching
2. Apply masking glue evenly through screen printing net
3. Bake the plate inside the oven <100 degree Celsius for 10-12 minutes
4. Expose the plate in exposure machine
5. Develop the plate in solution
6. Again bake the plate inside the oven for 15-18 minutes at 120 degree Celsius
7. Finally place the sheet inside the etching machine
8. Take off the masking glue with stripping solution
9. Finally the plate is ready, now it can be further send for gold/silver plating, if required.



Sample ▶



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