

## ✧Machine Details:

<b>S650 Double Spray Etching Machine</b>	
Power	5.5KW/220V/50HZ
Working width	650mm
Etching area	650*1000mm
Etched type	Double Spraying
Working Temperature	37~45℃
Heat System	Titanium,3KW
Cool System	PE cooling Pipe,25 meter
Vertical Pump	2.2KW/220V/50HZ
Spray Pipe	8pcs for up, 8pcs for down
Nozzles	Fan-type nozzles, total 104pcs
Machine material	15mm PP plate, resit high temperature
Machine Size/weight	2250*1450*1250mm / 350kgs
Automatic Control System:	
Speed and Pressure Adjust System	Temperature control system (resist (0~100℃) PP material)
Net Filter System	Long times Etching Ability
Introduction:	
The nameplate etching machine can produce metal nameplate, logos, medals, signs or other metal plate. Materials can be Steel, Stainless steel, Copper, Brass, Aluminum, titanium and so on.	



## ✂Etching Process:

1) Computer designs and Output negative film

2) Degreasing, Use Plastic Tank, clean the plate surface to get a good situation for coat photoresist.

It takes about 2~3 minutes.

3) Coat photo resist by spray gun or photoresist coating machine.

4) Expose. Use exposure machine, the exposing light will transfer the images masks on metal plate.

It takes 20~30seconds.

5) Developer, Use Plastic Tank, removing the unnecessary masks where will be etched down.

You can do it by hand, usually it takes 3~5 minutes; you can also choose developing machine.

6), Etching. Use etching machine, removing of unwanted metal which expose to chemical solution.

It takes 2~3 minutes.

(If you want to coating color, you can use color coating machine, after that you should drying the plate then stripping)

7), Stripping. Remove all the photo resist ink; use SST or Plastic Tank to finish it.

The process is similar to developing process, only chemical is different.

8) Forming and finishing operations.