



## Engraving Cabinet Instructions

Remove all packing tape and packaging material from the cabinet and extractor.

Connect the air supply from your compressor onto the inlet connector on the foot pedal. The regulator is located on the front right of the machine, and is adjusted by lifting the circular top part of the regulator upwards and turning it clockwise to increase the pressure and anti clockwise to reduce the pressure. The most suitable pressure to work at with new abrasive is between 15-20 psi., increasing this to between 30-35 psi. as the abrasive wears down.

Lift up the large window opening and pour in approximately 20-25 kilos of white aluminium oxide into the cabinet. We recommend using 280 grade for most applications. With the large window open, lift up the grill underneath and look to the right hand side. The engraving gun is attached to a black tube, which in turn is attached to a metal pick up pipe. You can see where the pick up pipe slides down into a square insert, and is held in place by a nut. The aluminium oxide when flattened out should be level with the nut. This is a good guide whenever topping up the abrasive.

Turn on the cabinet by pressing the red button on the front of the light box, this will start the extractor and turn the light on. If you press down on the foot pedal, abrasive will be picked up from the hopper and sprayed out through the gun. The flow of abrasive is adjusted by lowering or raising the inner pick up pipe on the inside of the abrasive hopper, this is best achieved by adjusting the pipe up or down by 5mm until a constant feed of abrasive flows through the gun. The pickup pipe is cut at an angle at the bottom. This angle should be pointing towards the centre of the hopper.

In order to avoid abrasive blocking the pick up pipe there is an air tube feeding into the base of the hopper, this bubbles the abrasive which helps to achieve an even flow through the pick up pipe. The air flow can be increased or decreased by turning the small valve located on the outside of the right hand side of the cabinet.

Once you are happy the machine is set up correctly you may try engraving a piece of glassware. Insert the glass through the front opening or if it is a larger item lift the window opening and place the item in the cabinet.

Hold the item in one hand and the gun in the other hand, it should be held approximately 6-8 inches away from the glass and gently press down on the foot pedal, ensure that the gun is at right angles to the glass and that all of the stencil is blasted.

The filters on the extractor should be cleaned every day by pulling the black knob on the right hand side of the extractor in and out for 10 seconds, the dust that is collected should not be reused as it becomes extremely dusty due to the fine particles of dust and tissue that are removed. If you wish to recycle good abrasive that has been extracted open the trap door on the base of the hopper prior to pulling the black knob in and out, this abrasive can then be poured straight back into the main hopper and used again. The air flow is adjusted by opening or closing the vent at the rear of the extractor.

The fluorescent tube is replaced by lifting up the light box which will enable you to fit a new one when required. The cabinet should be disconnected from the mains when this is done.

Drain the air regulator after every days use to remove moisture that has collected in it.

If you have any queries regarding any aspect of glass engraving please contact us.

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