

MAINTENANCE INSTRUCTIONS FOR MEGA ETCHING MACHINES

Any spillage of the etchant should be wiped off the surface with a clean damp cloth. The cloth should then be thoroughly rinsed out and then the surface wiped again and then dried with paper towels. This will ensure minimum staining of the equipment.

When the etching time becomes twice as long as it was with fresh chemistry, to achieve the same etching results, the etching solution needs to be changed.

After you have emptied the tank twice, mix up a solution of our stain remover (Mega part: 600-039) using 500 grams mixed with water to make 5 litres (2.5 kilos for 25 litres).

Pour the mix into the etching tank (Bubble Etcher) or spray chamber in the Rota-Spray and conveyorised etching machines.

Heat solution up to working temperature and then run for 30 minutes.

Switch the machines off and empty the solution.

Rinse tank / etch chambers out with fresh water and then add the required amount of fresh etchant.

EXTRA requirements for Rota-Spray and FAPC range of conveyorised etchers after the 4th change of etching solution.

Rota-Spray

- a) After cleaning with the stain remover fill the unit to working level with water, then run the machine and check that the water is coming out of the holes in the tube. If any appear to be blocked, use a cocktail stick or similar to remove any debris and then test again.
- b) Remove the orange sump guard and check that there is no sludge in the sump or round the heater or float switch. If this is some sludge, carefully remove it using a damp cloth. Be especially careful around the heater. NB Do not use paper towels or issue.
- c) Flush sump out with water.

FAPC Conveyorised Etching Machines.

- a) After cleaning the unit with the stain remover and emptying it, remove the top manifold, then the pinch rollers and transport rollers, then the bottom filter tray, which is slid out from the side of the machine and finally carefully remove the two sump cover plates.
 - b) Using a damp cloth, clean out any debris or sludge being careful around the heaters and float switch.
 - c) Flush the sump out with water.
 - d) Replace all the used spray nozzles in the manifold (Mega part number: 251300)
If only one manifold has been used then only those need to be replaced.
 - e) Replace all the removed parts in the reverse order.
- NB** Before replacing the filter tray, wash it thoroughly.
- f) Remove the front and rear outside pinch rollers and clean them with soap and water.
 - g) Finally remove the in-line filter and clean.

Your unit is now ready to be filled with fresh etchant.



Mega Electronics Ltd.,

Mega House, Grip Industrial Estate, Linton, Cambridge. CB21 4XN

Tel: +44 (0) 1223 893900 Fax: +44 (0) 1223 893894 email: sales@megauk.com Web: www.megauk.com