

## Epoxy Dispensing System

Bench top epoxy dispenser applications are still at the forefront of many manufacturing processes, whether filling heavy duty battery terminals for potting, as well polarity identification, or applying surface mount adhesive to PCBA's so that delicate electronic components can cope with under PCBA heating.

The epoxy dispenser generally connects, via a receiver head, to the material that is supplied in industrial syringes. Ranging in volumes from 3cc to 55cc, there is a syringe barrel capacity that suits any application. Two epoxy dispensers are made available, by Techcon Systems, TS250 (0-100psi/0-6.9bar) and TS350 (0-100psi/0-6.9bar). Ready to use out of the box, and with their accompanying accessories, the epoxy dispenser can be set-up and ready to use within minutes.

Relying on the proven "Time/Pressure" method makes dispensing epoxy hassle-free, whereby an increase or decrease in material output can be easily achieved by an increase or decrease in time, pressure or both.

Air powered pistons apply equal pressure throughout the material allowing for consistent and repeatable deposits. Coloured for ease of identification, red straight walled pistons are recommended for reduced stringing and "bouncing" with high viscous material, blue wiper pistons are recommended for general applications and white wiper pistons are a tighter fit for use with low viscosity materials. Wiper versions ensure no residue is left on the syringe walls when the syringe is depleted.

Tip and end caps ensure that contaminants cannot come into contact with the material, when not in use or not connected to the epoxy dispenser.

Dispensing tips, ranging from 14 – 32 gauge, ensure the epoxy dispenser can achieve a wide variety of dot and bead sizes. In combination with time and pressure and the correct dispensing tip, the system can perform a variety of complex dispensing tasks.