

LEAD FREE ROLLER TINNER

The CEMCO Lead Free Roller Tinner has been developed from the highly successful SnPb system.

Tinning is accomplished by transporting the panel between a 127 mm diameter tinning roller and an upper 50 mm diameter silicone rubber roller. The top roller is spring loaded and is driven via a one way clutch at a slightly slower surface speed than the bottom roller. This ensures that the top roller 'idles' as the board passes between the two rollers. Spring loaded scraper blocks, in contact at either end of the tinning roller contain the anti-drossing salts within the area of the solder bath.

A lever operated eccentric mechanism is used to raise and lower the top roller. The gap between the upper and lower tinning roller is adjusted by means of a simple setting device. The top roller is clamped in position once the gap has been set. The top roller is driven from the same motor as the tinning roller using a cross-driven polyurethane band that stretches to accommodate top roller adjustment.



FEATURES INCLUDE:

- Max panel width 610 mm wide.
- A free standing rigid steel frame encapsulated within an easy clean polyester resin base unit.
- Integrally mounted electrical cabinet provides start/stop, variable roller speed and temperature controls.
- The base unit houses an insulated 316 stainless sump fitted with uprated dual immersion elements and temperature probes to accommodate solder temperatures up to 300C.
- Contoured solder bath (providing a low solder bath volume), ensures a fast heat up time together with a quick and accurate response to changes in solder temperature.
- Safety interlocks to ensure the system operates within factory pre-set limits.
- Side frames manufactured from 316 stainless steel and fitted with a composite insulation material inner slide block.
- 316 Stainless steel guarding is easily removed for cleaning or for access to the tray containing anti-drossing salts.

Technical Specification:

◇	Conveyor working width:	610 mm
◇	Conveyor height:	930 mm
◇	Machine dimensions:	Length 690 mm, Height 1100 mm, Width 1190 mm
◇	Power requirements:	15 amp per phase 400v 3 ph
◇	Conveyor speed:	2-15 mtr per min
◇	Power usage:	2.5 kw/hr (production rate dependent)
◇	Sump capacity:	22 kg
◇	Weight including solder:	190 kg