

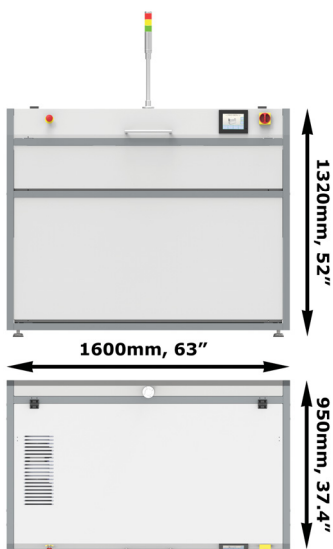
UV Curing Tunnel



Standard features:

- Fully automatic in-line UV curing with H or D arc-lamps
- Software controlled energy saving and lamps lifetime extension
- Dual lamps for efficient curing, followed by an active cooling zone
- Double in and out shutters prevent UV-light leakage.
- Adjustable speed pin chain conveyor
- Automatic width adjustment
- SMEMA interface

The UV 1600 Curing tunnel is a compact and efficient in-line tunnel for curing conformal coating, glue and other fluids. Custom designed high-gloss aluminium reflectors, combined with powerful arc-lamps, give a high energy UV-light that illuminates the coating on the circuit board. A short curing time makes it possible to transport more PCB's through the curing tunnel per hour and therefore provides for a high production capacity in only 1600 mm of length. The energy control system uses conveyor width to determine number of lamps to use for the curing process. Lamps outside actual board width will not be lit. Power to the lamps is reduced if no board is in the curing tunnel, thus increasing lamps lifetime. 'Lamp on' time is logged for optimal use and lowest cost of ownership. An active cooling zone, placed immediately after the UV-area, provides a quick cool down to avoid sending heated boards to the subsequent machine in a production line.



Technical information:

- Board transport level: 940 ± 30 mm (37 ± 1.2")
- Board length: 70 - 500 mm (2.7 - 19.7")
- Board width: 50 - 508 mm (2 - 20")
- Min. board thickness: 0.8 mm (0.03")
- Max. board weight: 4 kg (8.8 lbs)
- Components clearance top: 70 - 100 mm (2.8 - 3.9")
- Components clearance bottom: 100 mm (3.9")
- Board edge clearance: 3 mm (0.12")
- Conveyor speed (adjustable): 0.8 - 4 m/min (31 - 157"/min)
- UV source: 4 x 2000W
- UVA intensity: >500mW/cm²
- UVB intensity: >500mW/cm²
- UVC intensity: >100mW/cm²
- Power supply: 400 VAC, 3-phase, 9kW
- Min. exhaust air flow: 10m³/min (32 cfm)
- Exhaust air outlet diameter: 100 mm (3.94")
- Air supply: 5-10 bar, 1000 l/h (70-140 psi, 0.6 cfm)
- SMEMA Interface

Order code: UV Curing tunnel, UV1600