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PC-3 & 3010-EC



Production Versatility

The PC-3 and 3010-EC light sources are ideally suited for rapid “on-demand” curing of adhesives. They can readily accommodate a wide range of applications:

- Wire tacking on PCBs
- Repair of conformal coatings
- Coil winding termination
- Controlled curing of small bonds
- Fiber optic termination and splicing
- Curing of glob top coatings
- Glass and figurine assembly
- Syringe needle bonding

An operator can manipulate the light guide to direct the light onto the curing area, or it can be fixed in place. The light exposure is controlled by a foot-operated switch, manually or with a timer. The PC-3 is also available in a fully-manual model with a hand-activated shutter. The foot-pedal switch in the 3010-EC can be quickly detached and replaced with an external electrical control and become a part of an automated production line or station. The 3010-EC interfaces easily with dial tables, in-line transfer machines, robots and PLCs.

Specifications and Features

	PC-3 Ultra	**3010-EC**
Light source	Medium-intensity UV spot light	High-intensity UV spot light
Output power	50 watt	100 watt
Intensity in the UV-A range (320-390 nm) measured with EIT SpotCure radiometer	4000 mW/cm^2 (at the end of a 1 meter long, 5mm diameter liquid light guide)	6000 mW/cm^2 (at the end of a 1 meter long 5 mm diameter liquid light guide)
Dimensions of illuminated area	About 0.25” dia. (6 mm)	About 0.25” dia. (6 mm)
Primary application	Rapid curing of bond areas up to 3/8” in diameter	Rapid curing of bond areas up to 3/8” in diameter
Input power requirements	115 VAC; 100 VAC; 230 Vac @ 50/60 Hz (customer specified)	Universal 90-264 Vac, 47-63 Hz
Dimensions (H x W x D)	9.75" (24.8 cm) x 6.5" (16.5 cm) x 7.5" (19 cm) with a handle	8.0" (20.3 cm) x 8" (20.3 cm) x 9.5" (24.1 cm)
Weight	10 lb. (4.4 kg)	10.5 lb. (4.7 kg)
Timer operated shutter	0-50 sec. with analog timer (Model 35350), “jam proof” shutter design	Digital timer with sec. and hr. selectable ranges, “jam proof” shutter design, “LAMP ON” indicator light. Remote contact-closure shutter control.
Ordering information	p/n 35196 - manual shutter p/n 35350 - automatic shutter	p/n 36850
Lamp/reflector assembly (pre-focused) - included	With 50W mercury vapor lamp (p/n 35003)	With 100W mercury vapor lamp (p/n 36064)
Liquid light guides	1m long x 5mm dia., p/n 35102 - included (0.5m and 1.5 m long - optional) Attached short-wave UV filter, p/n 35301 - included	1m long x 5mm dia., p/n 35102 - included (0.5m and 1.5 m long - optional) Short-wave UV and IR filter built-in

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