

Mini M.E.

Conveyor UV Curing System

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The Mini M.E. is the latest in low-dose mercury UV curing systems, available with continuous wave argon or continuous wave xenon light sources. The compact Mini-ME is an ideal curing system for qualification testing of inks, coatings and adhesives and is well suited for laboratory, R&D and production environments.

The lighting system features, instant start, accelerated warm-up, and instant hot re-strike capabilities. Designed with efficiency in mind, a highly focused elliptical reflector concentrates extreme energy on the curing surface and most lamps are low dose mercury with numerous wattage and spectral choices available. The Mini ME is the only digitally controlled UV curing system, and by using PLC technology, all system controls and functions are absolute: elapsed lamp hours, lamp power, conveyor speed, and user defined programs. A digital stepper drive with English/Metric speed selection controls the conveyor. The system incorporates air flow through the Teflon coated glass belt (vacuum hold-down) to provide cooling and to hold small lightweight items on the conveyor during the curing cycle. Sliding conveyor tunnels eliminate virtually all stray UV. Safety features include: irradiator interlock, post turn-off cooling cycle, emergency stop switch, lamp cooling sensor, and sliding conveyor tunnels.



FEATURES:

- PLC control with alphanumeric LCD display
- Conveyor speed control with E/M conversion
- Lamp power control, 200 & 300/WPI
- Lamp elapsed hour meter
- 10 user-programmable cure sets
- 4" duct for heat evacuation

BENEFITS:

- Accurate speed control
- Highly efficient elliptical reflectors
- Increased productivity
- No stray UV leakage

SPECIFICATIONS

- Nominal cure width: 6" (152mm)
- Conveyor length: 54" (1371mm), 1/4" weave Teflon glass
- Conveyor travel: Left to right
- Conveyor speed: 1-100/fpm (304-30480mm/m)
- Size: 56"W x 32"D x 20"H (1422mm x 812mm x 508mm)
- Power: 208-240V, 60Hz
- Unit weight: 160#, (72kg)
- Controls: Power on/off, Emergency Stop, PLC w/alphanumeric LCD
- Lamp power: High/Low 300/200 WPI standard
- Crated weight: 240#

OPTIONS:

- UV/Speed Integration: Conveyor speed will change automatically to compensate for lamp degradation.
- Built in UV monitor
- World voltages and frequencies
- Various lamp options
- Non-focused reflectors
- IR filters
- Cold quartz reflectors

