

Exposure Unit UVE M500

The UVE M500 exposure unit is our standard system and can be used for single-sided or double-sided exposure of primary resist. These units use 5Kw lamps that are switchable between 3Kw & 5Kw for maximum flexibility and precision in production.

The UVE Series exposure units are in use at some of the largest printed circuit manufacturers in North America.



FEATURES

- Superior uniformity (> 85%)
- Precise exposure control
- Excellent lamp lifetimes
- System self-diagnostics
- Magnetic frame locks
- Low maintenance
- Simple operation
- Built-in u.v. meter
- High u.v. output
- Built-in lamp meter
- Variable vacuum

SPECIFICATIONS

Dimensions (WxDxH):	53" x 83" x 71"
Electrical:	200-240 Volts, 60 Hz, 1 Phase
Air:	1-2 CFM @ 85 PSI
Exposure Area:	24" x 30" (x2)
Exposure Uniformity:	> 80%
Exposure Control:	Intelligent U.V. Integrator with Built-In U.V. Meter
Exposure Frame:	Mylar vs. Glass (x2) with hard contact vacuum system and electromagnetic frame locks.
External Water:	3 ton cooling tower, .75" PT pipes for water supply and return. 2 GPM @ 65°F (Water capacity 15.85 gallons)
Lamps:	2 x 5Kw Capillary (switchable to 3Kw)
Lamp Cooling:	Air Cooling + Direct Water Cooling
Environment:	Room temperature 77°F +/-1°, Humidity 55% +/-5% RH
User Interface:	LCD display with control keypad
Safety Devices:	Magnetic interlock for frame, system self-diagnostics software, leakage circuit breaker, over-temperature protection, motor over-load protection.
U.V. Intensity:	> 30 MW/cm ² @5Kw 25-30MW/cm ² @3Kw
Exposure Time:	25-35 seconds (approximate)
Net Weight:	1764 lbs.

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