

# Exposure Unit UVE M720

The UVE M720 exposure unit can be used for single-sided or double-sided exposure of both primary resist and liquid photoimageable solder mask (LPSM). These units use 8Kw lamps that are switchable between 8Kw & 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
- 24"x36" effective exposure area
- 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
- Built-in thermostat
- Advanced cooling system

## SPECIFICATIONS

Dimensions (LxDxH):	56"W x 109"D x 97" H
Electrical:	200-240 Volts, 50-60 Hz, 3 Phase
Air:	1-2 CFM @ 85 PSI
Exposure Area:	24" x 36" (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 and 6.0HP refrigeration system.
External Water:	10 ton cooling tower, 120 liters/minute, 1.25" PT pipes for water supply and return; .75" PT drain water pipe.
Water Capacity:	60 liters
Lamps:	2 x 8Kw Metal Halide Lamps (switchable to 5Kw)
Lamp Cooling:	Air Cooling + Indirect Water Cooling
Environment:	Room temperature 77°F +/-1°, Humidity 55% +/-5% RH
User Interface:	Touch panel
Safety Devices:	Magnetic interlock for frame, system self-diagnostics software, leakage circuit breaker, over-temperature protector, motor over-load protection.
U.V. Intensity:	> 50 MW/cm <sup>2</sup> @ 8Kw
Exposure Time:	Approximately 20 seconds
Net Weight:	2315 lbs.
Gross Weight:	3086 lbs.

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