

Manual Collimated Exposure Unit with CCD Alignment

UVE M565

The UVE M565 collimated u.v. exposure unit can be used for single-sided or double-sided exposure of primary resist. These units use 1 5Kw Mercury-Zenon short Arc lamp 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

- * Collimated system
- * 21"x 24" effective exposure area
- * Precise exposure control
- * Excellent lamp lifetimes
- * System self-diagnostics
- * Magnetic frame locks
- * Dual Target CCD Alignment
- * Touch screen operation
- * Built-in u.v. meter
- * High u.v. output
- * Built-in lamp meter
- * Built-in thermostat
- * Advanced cooling system

SPECIFICATIONS

Dimensions:	131"L" x 50"W x 86.6"H
Electrical:	200-240 Volts, 50-60 Hz, 3 Phase, 10 KVA
Air:	70 PSI
Effective Exposure Area:	21" x 24" (x2)
Exposure Uniformity:	+/-10%
Exposure Control:	Intelligent U.V. Integrator with Built-In U.V. Meter
Exposure Frame:	Glass vs. Glass (x2) with hard contact vacuum system and electromagnetic frame locks.
Lamps:	1 x 5Kw Mercury-Zenon Short Arc Lamp
Lamp Cooling:	Air Cooling (750CFM) + Chilled water 44.6° - 51.8°F, 7.92 gallon/min.
Environment:	Room temperature 77°F +/-1°, Humidity 55% +/-5% RH
User Interface:	LCD display with control keypad
Alignment System:	Dual-target CCD align system, Auto CCD Alignment System for PCB's
Collimated U.V. System:	Collimation Half Angle: 2° Declination Angle: Less than 2°
Safety Devices:	Magnetic interlock for frame, system self-diagnostics software, leakage circuit breaker, over-temperature protector, motor over-load protection.
U.V. Intensity:	20mw/cm ² @ 365nm
Gross Weight:	2420 lbs.

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