



# EXPOSURE UNIT EU 530 WITH D6W REFRIGERATOR





## DESCRIPTION

The Exposure Unit model EU 530 has been designed to satisfy photography requirements both for primary imaging and solder mask photoimaging. This is achieved through lamp powers, switchable from 2 to 5 Kw, and the optional use of a thermostable unit for drawers temperature with water heat exchange.

## ADVANTAGES

- High-resolution and good repeatability
- U.V. energy-operated integrators
- High productivity for primary imaging, DFMS and liquid photoimaging soldermask
- Light uniformity on all the exposure areas
- Lamp power switchable from 2 to 5 Kw
- High-efficiency, closed-loop air cooling system
- Drawer's temperature controlled by a temperature regulator (optional)
- Refrigerator with water intercooler (optional)
- Friendly operator approach
- Easy control by numeric display for diagnostic and instructions to the operator
- Compatible with yellow room environment

Overall Dimensions		Gross Weight (with electrical cabinet)	
Width	1,480 mm (58.3 in.)	Exposure Unit	1,400 kg (3,000 lbs.)
Length (with refrigerator)	2,270–2,920 mm (89.4–115.0 in.)	Refrigerator	280 kg (616 lbs.)
Height	1,800–1,900 mm (70.8–74.8 in.)	<b>Net Weight (with electrical cabinet)</b>	
Working Height (min.–max.)	880–1,070 mm (34.6–42.1 in.)	Exposure Unit	1,100 kg (2,420 lbs.)
		Refrigerator	280 kg (330 lbs.)
Electrical Requirements		Vacuum Characteristics	
Power Type	3 phase; 50/60 Hz + Ground	No. 2 dry vacuum pumps, 6.5 m <sup>3</sup> /h (20.5 cfm)	
Power Consumption	23.0 KVA (exposure unit)	Adjustable vacuum level for different types of vacuum frames	
Nominal Voltage*	400/480V ±7%/5%	U.V. Integrator	
Type of Lamps	Air cooled mercury-vapor	Energy operated or time operated (switchable)	
Output Spectrum	300–400 nm or 320–420 nm	Linear sensor with calibrated filter for U.V.	
Lamp Power	up to 5 Kw	3 digit display (999 mJ/cm <sup>2</sup> )	
Compressed Air		Switch multiplier x 10 (9,999 mJ/cm <sup>2</sup> )	
Consumption	25 NI/min./cycle (3.53 cfm)	Sensitivity automatically adjusted for the upper and lower drawers	
Pressure	6 kg/cm (85.3 psi)		
Standard	By air circulation, 2,000 m <sup>3</sup> /h (1,177 cfm)	Vacuum Frame Types	Glass/mylar—glass/glass registration system (optional)
Optional	By refrigerator; digital control for drawer's temperature; refrigerator unit housed in an independent compartment; heat exchange by water flow		
		Working Height	
		Height	840 x 645 mm (33 x 27 in.)
*Different voltage can be provided upon requirement.			