

F500 Portable UV Curing Lamp

The INCURE F500 is a portable UV curing lamp. F500 can handle a variety of UV curing applications due to its versatility. With an effective curing width of 5", it is ideal for batch or conveyor mounted curing of small parts. Weighing-in at a mere 6 pounds, the system is also perfect for applications where frequent transportation is involved. The unit features a lightweight removable head, which serves as a self-contained handheld curing lamp during operation. The bottom half of the unit is an accessories carrying case for the headrest, UV glasses, power cord and adhesives, and is not required during operation. The arc lamp is powered by the state of the art UV Power-Plus Lamp Driver. Simple yet high-tech design, the F500 is extremely user-friendly and reliable, requiring virtually no learning curve or setup time.



FEATURES	Removable Lamp Head	The hand-held head contains a long life 400-Watt metal halide type lamp, which emits up to 500mW/cm ² of evenly distributed, UVA light (315–400nm). Typical lamp life is 1000 hours. The top surface of the lamp head also has threaded inserts for attachment to a customer's fixture, conveyor or automated machine.
	Lamp Power Regulation	The system's switch mode power supply maintains constant lamp power regardless of variations in AC line input or lamp voltages. This regulation provides for repeatable curing times and longer lamp life.
	Standby Mode	The unit features a standby mode rocker switch, which reduces lamp power by one half. This mode can be used to reduce heat and stray UV light output while the system is not in use.
	Forced Air Cooling	Integrated cooling fan in the lamp head insures cool operation and high system reliability.
	Optional Lamp Spectrums	The F500 is available with UVA, UVB & visible spectrum lamps, which insure compatibility with adhesives and coatings of all types.

General			
	Model	F500	
	Order Number	290004	290003
Power Supply			
	Input Voltage	100-120VAC ± 10%	200-240VAC ± 10%
	Input Current (max)	7 Amperes	3.5 Amperes
	Source Input Frequency	47 Hz to 63 Hz	47 Hz to 63 Hz
	Lamp Power Regulation	± 1%	
	Protection	Inrush current limit, Line voltage surge, Short circuit, Open circuit, Hot re-strike, Over temperature Ignition retry timeout	5 minutes
Lamp			
	Lamp Type	400 Watt Metal Halide	Quartz, ozone-free
	Lamp Voltage	135 ± 15V	
	Arc Length	32 mm	
	Burning Position	Horizontal	
	Radiation Flux	72 Watts	315 – 400 nm
	Warm-up Time	1 to 2 minutes	
	Cooling time before Restart	5 minutes typical	Lamp protection prevents restart of hot lamp
	Lamp Peak Irradiance	500mW/cm ² , UVA	2" from base of lamp head
	Curing Area	5 x 3" minimum	Affected by lamp height
	Lamp Life	1000 hours typical	Affected by number of on/off cycles
Environmental			
	Operating Temperature	+10 °C to +40 °C (+50 °F to +104 °F)	
	Storage Temperature	0 °C to +60 °C (+32 °F to +140 °F)	
	Relative Humidity	30 to 75% operating, 10 to 100% storage	Non-condensing
	Cooling	Forced air	
	Over-temp shutdown	67 °C (internal)	
Dimensions			
	L x W x H (inches)	8" x 5" x 16.5"	Including bottom enclosure
	Weight (lbs.)	6 lbs. w bottom box	3.5 lbs. lamp head only
	Max Chamber Part Size	4.25" x 4.25" x 2"	For curing in headrest