Product Data Sheet

Product
MCT Model 100 UV Cure Light Wand

The MCT Model 100 is available in 50W, 75W, and 200 Watts

The MicroCoat 100UV curing spot lamp offers high-intensity and user-friendly operation for any light-based curing application. The patented intensity adjustment feature provides user control of light intensity to assist users in process validation and control. Intensity measurement is easily accomplished with the MCT RADCAL 410 radiometer. Scheduled intensity measurements taken during the production process will indicate whether additional intensity adjustments are required. This method of measurement provides the most accurate readings as they are taken through the lightguide in the actual production setting.

The MicroCoat 100 spot lamp emits UVA and blue visible light (300-450 nm) and is designed for curing of UV and visible curable adhesives, coatings, and encapsulants. It contains an integral shutter which can be actuated by a foot pedal making it ideal for both manual and automated processes. An auto-ranging power supply provides consistent performance at any input voltage (90-264V, 47-63 Hz). MicroCoat also offers a wide range of long-lasting liquid and fiber lightguides in single, multi-legged, and various length configurations. The MicroCoat 100 with intensity adjustment is the most versatile, user-friendly, and reliable spot cure unit available.

Total	(280-450 nm)	19+ W/cm2
Visible	(400-450 nm)	9+ W/cm2
UVA1	(320-395 nm)	9+ W/cm2
UVB	(280-320 nm)	1.5 W/cm2
Power Requirements		90-264 VAC, 50-60 Hz
Power Supply		Solid-state, 75 Watt (50W and 200W also available
Bulb		75 Watt high-pressure, short-arc bulb included; replacement in less than one minute
Reflector		Elliptical; glass with dichroic coating to reflect UV and minimize IR
Shutter Time		Digital LCD timer up to 99.99 seconds; manual or timed shutter
Shutter Activation		Foot switch
Cooling		Filtered, single arrangement; thermally controlled to maintain proper lamp temperature
Hour Meter		Digital LCD; lamp hours and bulb hours (re-settable)
Overall Dimensions		May be different14.0" x 12.0" x 6.5" (30.5 cm x 30.5 cm x 16.5 cm)
Weight		16 lbs.
System Warranty		One year from purchase
Bulb Warranty		Ignition warranted for 2,000 hours