



## DESCRIPTION

The iCure™ AS200 is a thermal spot curing system that is used to cure conventional thermal adhesives. The unit provides a versatile and cost effective solution that delivers high optical energy with a significant amount of infrared radiation. The infrared radiation is strongly absorbed by thermal adhesives allowing faster and better quality cures. A sophisticated on board micro-processor monitors system performance, allows for a flexible user friendly interface and offers a range of reporting features. Fitted with a programmable optical attenuator, the iCure™ AS200 allows the user to program and save a variety of curing profiles. Parameters such as radiation intensity and exposure times are easily and accurately controlled.

## FEATURES

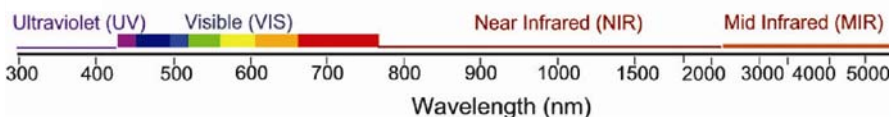
- Reduce curing time by over 75%
- 200 W lamp with up to 90 W/cm<sup>2</sup>
- Significant infrared contribution where heat cure adhesives have the most absorption
- Range of field replaceable optical filters
- Customizable delivery optics
- User programmable curing profiles
- Networking capability
- SmartSense™ system monitoring to extend lamp life and performance
- Wide, state of the art touch screen with intuitive graphical user interface
- Shutter with 100 ms response time
- Foot pedal for hands free operation

## iCure™ AS200 Thermal Spot Curing System



## APPLICATIONS

- Spot curing of thermal epoxies
- Bonding and fixing of plastic and glass components
- Fixing of lenses
- Temporary fixing of miniature components
- Precision assembly and bonding of semiconductor components
- Focused energy for micro soldering
- Localized heat welding of thermoplastics



### SPECTRAL POWER DISTRIBUTION\*

IRRADIANCE	APPLICATION
UV + visible	Radiation cured adhesives
Near infrared	Soldering and plastic welding
Mid infrared	Heat-cured adhesives
Total Light	Broad radiation spectrum for faster heat cures

\*Total light irradiance: 90W/cm<sup>2</sup>

### TYPICAL CURE PROFILES

Epotek 353ND	Manufacturer's recommendation of 1 min @150°C reduced to less than 15 sec. with iCure™ AS200
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### SPECIFICATIONS

Lamp	200 Watts UHP Mercury Vapor Arc
Rated lamp life	Over 1500 hours (continuous operation)
Optical Spectrum	300 – 3600 nm
Output irradiance	Full optical spectrum, 90W/cm <sup>2</sup>
Lightguide	1.2 m length, 3.6 mm diameter output (other configurations available)
Lightguide bend radius	200 mm
Spot size	3.6 mm at the output of the lightguide
Warm-up Period	90 seconds (typical)
Power	85-240 VAC 50/60 Hz
Control Panel	Touch Screen
Ports	Ethernet 10/100Mb 6 x USB Host 1 x USB Client 1 x Audio Input 2 x Audio Outputs Foot Pedal Switch Input PCI-Express Expansion port
Dimensions (L x W x H)	13.3" x 7.1" x 7.9" 33,8cm x 18,0cm x 20,1cm
Weight	9.9 lbs 4,5 kg
Operating Temperature	-10C to +45C (14F to 113F)
Included	Lamp module, light guide, power cord, foot pedal, user manual, protective glasses
Warranty	1 year
CE marked; certified to IEC, CSA & UL standards. (approvals pending)	

Contact IRphotonics for prices and availability or to obtain the name of your local representative.  
Hg-Lamps contain mercury. The lamp must be disposed in accordance with local rules and regulations.  
Consult: [www.lamprecycle.org](http://www.lamprecycle.org) for more information.

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