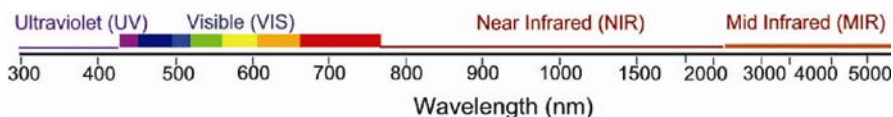


## DESCRIPTION

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 (also include temperatures in F)
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.

IRphotonics has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation.