

# SPOT CURE-H

The **SpotCure-H** is a conventional halogen UV adhesive curing light incorporating unique optics that produce up to 75% greater UV light intensity than similar systems currently available. In addition, the physical design will permit the use of optional remote activation for bench top "hands-free" operation. A standard 11 x 8mm diameter curved, intensifying, turbo light guide is provided with the unit and a 11mm straight wide area light guide is available as optional equipment. The unit is designed to be used with either 120VAC or 230VAC input, selectable with a built-in input voltage switch.

## Operational Description

The **SpotCure-H** system employs a high intensity halogen reflector lamp that is specially designed to maximize ultra-violet emission in order to effectively cure a myriad of UV cured industrial adhesives. A continuously variable time selection control permits automatic operating cycles up to 60 seconds. Cycle initiation is "one-touch" and therefore it is not necessary to keep the trigger switch depressed. The automatic timed curing cycle can be terminated at any time by depressing the trigger switch again. The standard curved light guide can be turned 360 degrees to easily access otherwise awkward curing locations.

## Initial Installation

1. Connect the four-conductor connector plug on the end of the gun cable to the receptacle on the front of the base unit and tighten bushing by hand.
2. Insert the standard 11 x 8mm curved light guide into the front of the curing gun while being certain to insert it completely to avoid light loss.
3. Attach the curing gun storage cradle to the back of the base unit using the two screws provided. Insure that the cradle is tilting toward the base.
4. The unit is designed for bench top use. However, an optional bracket and screws are available in case it is desired to mount the unit to a wall. If the unit is wall mounted, the curing gun storage cradle should be attached to the base unit in the opposite direction than when using the unit in bench top operation.
5. The input power cable supplied is a standard 3-prong U.S. 120VAC designed to be used with a 3-pronged grounded plug. Attach the input power cord.

**IMPORTANT: The third safety ground prong should not, for any reason or under any circumstances, be cut or removed.**

If the circuit does not have a grounding type receptacle, it is the responsibility of the user to change the existing receptacle to a properly grounded receptacle in accordance with the National Electrical Code and applicable local codes and ordinances by a qualified electrician.

## Operation

1. Turn the base unit power switch to the "ON" position.
2. Set the desired curing cycle time according to the specified application.
3. Depress the curing gun trigger switch (one-touch) to activate light.
4. Light will deactivate at the end of the time period selected.
5. Time cycle may be aborted by depressing the trigger switch again.

## Replacing Halogen Lamp

1. Remove the screw located in lower part of the curing gun handle and separate the two halves of the curing gun.
2. **FIRMLY HOLD** the black heat shield and remove the old lamp with a side-to-side motion. Avoid putting too much force on the lamp and lamp mounting parts.

**CAUTION: LAMP MAY BE EXTREMELY HOT.**

3. **FIRMLY HOLD** the black heat shield and insert a new lamp with similar motion until it is seated. **DO NOT** use any other lamps other than those available from the factory. Many lamps with the same base termination and shape are available but are **NOT** designed to optimize ultra-violet emission.

**IMPORTANT:** Do not touch the inside of the lamp reflector or the lamp itself. Acids present in human fingerprints can easily damage the reflector and/or the lamp envelope resulting in operational degradation or premature lamp failure.

4. Align both pieces of the curing gun housing, re-insert the screw and tighten. Be careful to insure that the handle halves do not pinch any of the internal electrical wires and that the cable strain relief is positioned properly.

## Wide Emission Spectrum Halogen Ultra-Violet Adhesive Curing Light

### Replacing Electrical Fuse

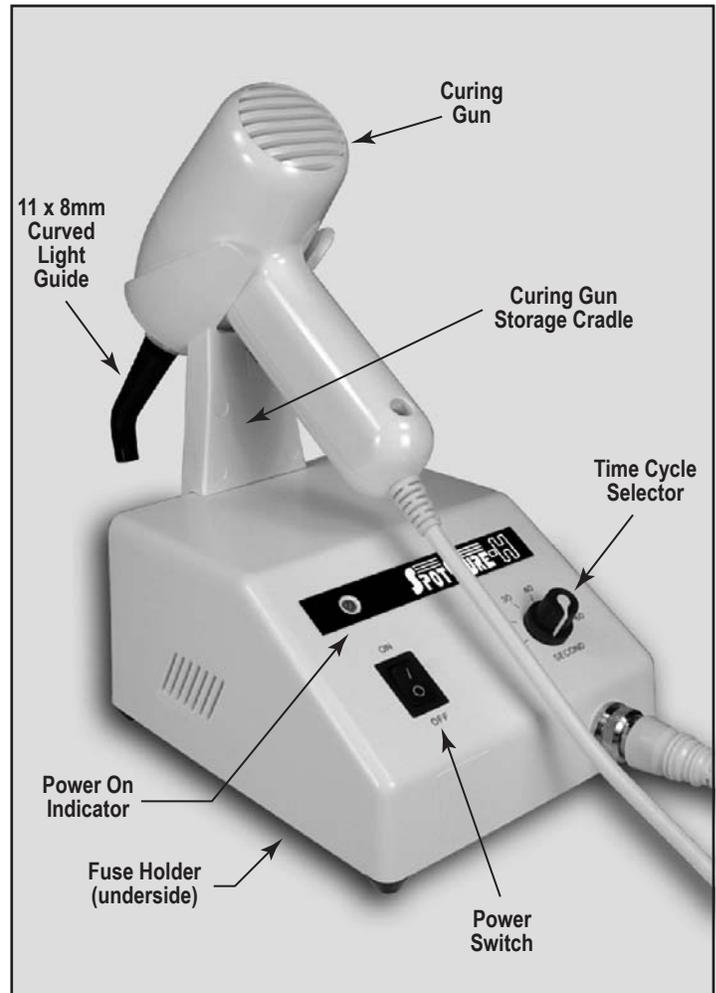
1. Disconnect the input cable from the base unit.
2. Unscrew the fuse holder cap from the fuse holder which is located on the underside of the base unit and remove the fuse.

**NOTE: Generally, when the system electrical fuse fails, it is an indication that an electrical problem exists that should be repaired at the factory.**

3. Replace the fuse with an **IDENTICAL** one in voltage and current rating.

### Eye Protection

The **SpotCure-H** unit is supplied with a UV blocking glare shield which attaches to the light guide. Additionally, UV blocking eyewear is strongly recommended.



	<b>CAUTION</b>
	<ul style="list-style-type: none"><li>● The UV lamp during operation radiates intense UV light.</li><li>● Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief periods due to the intense UV light.</li><li>● If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.</li><li>● If the UV lamp in this product may be viewed directly, please affix a caution label to that effect.</li></ul> <p><b>Avoid direct eye exposure to UV light.</b> Keep out of reach of children</p>