



## PORTA-RAY® 400

### UV Light-Curing System

- Hand-held curing system
- Fast and deep curing
- Portable and light weight
- Highest intensity in its class; up to 500 mW/cm<sup>2</sup>
- Rugged, field proven reliability
- Large 5" x 3" curing area

The PORTA-RAY® 400 is a portable hand-held UV light-curing system. Because of its versatility, it can handle a variety of UV light-curing applications. With an effective curing width of 5" x 3", it is ideal for UV curing in applications where the part is so large, that curing-in-place is preferred over conveyor or bench-top flood curing. A removable head serves as a handheld curing lamp during operation. Due to its simple yet high-tech design, the PORTA-RAY 400 is extremely user-friendly and reliable, requiring virtually no learning curve or setup time.



PORTA-RAY® 400 lamp and curing chamber



PORTA-RAY® 400 full assembled for storage or transport

| Specifications                          |                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UV Output</b>                        | 500 mW/cm <sup>2</sup> nominal 2" (5.1 cm) from base of lamp                                                                                                                                                                                                                                                                               |
| <b>Reflector</b>                        | Focused-beam                                                                                                                                                                                                                                                                                                                               |
| <b>Curing Area</b>                      | 5" x 3" at the focal length (2" below lamp housing), 12.7 cm x 7.6 cm at 5.1 cm                                                                                                                                                                                                                                                            |
| <b>Standby Mode</b>                     | A standby mode rocker switch reduces lamp power by 50%. This mode extends bulb life and reduces heat and stray light. Standby to Full Power requires 10 second warm-up.                                                                                                                                                                    |
| <b>Curing Chamber Maximum Part Size</b> | 4.25" x 4.25" x 2" (10.8 cm x 10.8 cm x 5.1 cm)                                                                                                                                                                                                                                                                                            |
| <b>Power Supply</b>                     | 400 Watt solid state power supply provides consistent UV output regardless of voltage                                                                                                                                                                                                                                                      |
| <b>Bulb</b>                             | 400 Watt metal halide (standard). Mercury or visible bulbs also available.                                                                                                                                                                                                                                                                 |
| <b>Cord Length</b>                      | 8' (2.5 M)                                                                                                                                                                                                                                                                                                                                 |
| <b>Dimensions</b>                       | Lamp Head: 7.5" x 4.5" x 4.25" (19 cm x 11.4 cm x 10.8 cm)<br>Fully Assembled: 8" x 5" x 16.5" (20.3 cm x 12.7 cm x 41.9 cm)                                                                                                                                                                                                               |
| <b>Warm-Up Time</b>                     | 1 to 2 minutes                                                                                                                                                                                                                                                                                                                             |
| <b>Cool-Down Time</b>                   | 5 minutes (lamp protection prevents re-start of hot lamp)                                                                                                                                                                                                                                                                                  |
| <b>Weight</b>                           | Lamp Head: 3.5 lbs. (1.6 Kg)<br>Entire System: 6 lbs. (2.7 Kg)                                                                                                                                                                                                                                                                             |
| <b>Cooling</b>                          | Integrated cooling fans in the lamp head                                                                                                                                                                                                                                                                                                   |
| <b>System Warranty</b>                  | 1 year from purchase                                                                                                                                                                                                                                                                                                                       |
| <b>Bulb Warranty</b>                    | 1,000 hours (ignition)                                                                                                                                                                                                                                                                                                                     |
| <b>Replacement Bulb Part Numbers</b>    | <a href="#">38560</a> Metal Halide (standard)<br><a href="#">36970</a> Mercury (shortwave)<br><a href="#">36658</a> Visible                                                                                                                                                                                                                |
| <b>Porta-Ray 400® Part Numbers</b>      | <a href="#">39639</a> North American Version (100-120V) with standard metal halide bulb<br><a href="#">39697</a> North American Version (100-120V) with Mercury bulb<br><a href="#">39640</a> International Version (200-240V) with standard metal halide bulb<br><a href="#">39713</a> International Version (200-240V) with Mercury bulb |



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