



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/cm²
- 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	
UV Output	500 mW/cm ² nominal 2" (5.1 cm) from base of lamp
Reflector	Focused-beam
Curing Area	5" x 3" at the focal length (2" below lamp housing), 12.7 cm x 7.6 cm at 5.1 cm
Standby Mode	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.
Curing Chamber Maximum Part Size	4.25" x 4.25" x 2" (10.8 cm x 10.8 cm x 5.1 cm)
Power Supply	400 Watt solid state power supply provides consistent UV output regardless of voltage
Bulb	400 Watt metal halide (standard). Mercury or visible bulbs also available.
Cord Length	8' (2.5 M)
Dimensions	Lamp Head: 7.5" x 4.5" x 4.25" (19 cm x 11.4 cm x 10.8 cm) Fully Assembled: 8" x 5" x 16.5" (20.3 cm x 12.7 cm x 41.9 cm)
Warm-Up Time	1 to 2 minutes
Cool-Down Time	5 minutes (lamp protection prevents re-start of hot lamp)
Weight	Lamp Head: 3.5 lbs. (1.6 Kg) Entire System: 6 lbs. (2.7 Kg)
Cooling	Integrated cooling fans in the lamp head
System Warranty	1 year from purchase
Bulb Warranty	1,000 hours (ignition)
Replacement Bulb Part Numbers	38560 Metal Halide (standard) 36970 Mercury (shortwave) 36658 Visible
Porta-Ray 400® Part Numbers	39639 North American Version (100-120V) with standard metal halide bulb 39697 North American Version (100-120V) with Mercury bulb 39640 International Version (200-240V) with standard metal halide bulb 39713 International Version (200-240V) with Mercury bulb



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Please note that most light-curing system applications are unique. Dymax does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in Dymax standard Conditions of Sale published on our website. Dymax recommends that any intended application be evaluated and tested by the user to ensure that desired performance criteria are satisfied. Dymax is willing to assist users in their performance testing and evaluation. Data sheets are available for valve controllers or pressure pots upon request. **PB077 11/8/2007**