

## THE MODEL UVSP CYLINDRICAL UV CURING SYSTEM



Model UVSP (U.S. Patent # 6,397,491 B1) is innovatively designed for those who demand outstanding UV curing performance, energy efficiency and the highest overall value.

The UVSP has a true focused 360 degree cure, not uneven and marginal "spin on the fly" curing as found on in-line conveyorized systems. And there is direct UV exposure that does not rely on mirrors for 360 degree coverage, which you will find with conventional cylindrical UV systems. Mirrors degrade UV intensity by over 60 percent. The UVSP utilizes reflectors to reflect light from the ends of the irradiator back onto the work surface for maximum possible energy efficiency. Universal vacuum plates securely hold most cylindrical products without the need for special holding nests. When special holding nests are needed, such as for small diameter tubes, the nest (or spindles) insert into the vacuum plate center hole without tools. Only eight nests would be needed and changeover would take under a minute. All of these features are available in one compact machine requiring minimal floor space. The combination of the UVSP and the UltraLight advanced UV system (400 watts per inch of power) offers value through technologically advanced designs that increase uptime and lower operating costs.

## MODEL UVSP

### ENGINEERING FEATURES

- Long lamp life, very high output.
- Revolutionary UV irradiator design. Proprietary specular mirror finish inserts that reflects 98% of ultraviolet energy.
- 100% made in USA.
- Geneva drive & light baffling for maximum operator protection.
- Indexer dial has slip clutch for operator safety.
- Indexer rotates with minimal force to protect operator and product.
- Tri-Power 200/300/400 watt per inch (UVSP-12 only).
- Relay output provided for interface to other equipment.
- Cooling air is drawn through unit by a blower to keep heat sensitive parts from warping or distorting.
- Product is spun 360 degrees in front of the UV lamp in the back of the machine.

### STANDARD FEATURES

- Lamp has easy access for replacement.
- Eight 6" (152 mm) diameter platens.
- Adjustable dial indexer speed.
- Vacuum delivered to each platen prevents tipping during index.
- Mercury vapor lamp is standard. Mercury vapor lamp with iron additive (D type) and Gallium additive (V Type) are available.

### OPTIONS

- Automatic unload.
- LED irradiator in place of standard conventional UV lamp.
- Lamp adjustment in "Z" axis.
- Additional lamp at top of UV exposure station.
- Mechanical part holding attachments for products that do not lend themselves to vacuum hold down.

### APPLICATIONS

- Inks
- Adhesives
- Coatings

Specifications	Model UVSP- 6	Model UVSP-12
Maximum Lamp Output	400 watts per inch	Tri-power (200/300/400 watts per inch)
Electrical Requirement	1 phase, 208-240 or 460-480 volts, 60 Hz. Others options available.	1 phase, 208-240 or 460-480 volts, 60 Hz. Others options available.
User Interface	Control panel	Touch screen
Lamp Size	6" (152 mm)	12" (305 mm)
Cooling	Forced air cooling	Forced air cooling
Amperage	20/10 A (6" lamp)	30/15 A (12" lamp)
Shipping Dimensions (Length, Width, Height)	48" x 36" x 60" (1219 x 914 x 1524 mm)	48" x 36" x 60" (1219 x 914 x 1524 mm)
Shipping Weight	600 lbs. (272 kg.)	600 lbs. (272 kg.)



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