



## THE MODEL UVSP KEG UV CURING SYSTEM

*360° spin cure engineered for stainless steel beer kegs*



**Model UVSP** (U.S. Patent #6,397,491 B1) is purpose-built for breweries and keg decorators who demand outstanding UV curing performance, energy efficiency, and the highest overall value on full-size stainless kegs.

**A true focused 360-degree cure.** Not the uneven, marginal “spin on the fly” curing found on in-line conveyORIZED systems. The operator loads the keg onto the rotating platen and cycles the spin cure. The keg indexes to the back of the machine, spins 360 degrees in front of the UV lamp, then indexes back to the load station to be removed. Light baffling between the two indexer stations blocks UV from exiting the machine shroud, keeping the operator protected.

**Direct UV exposure — no mirrors.** Conventional cylindrical UV systems rely on mirrors that degrade UV intensity by over 60 percent. The UVSP uses reflectors to direct light from the ends of the irradiator back onto the keg surface for maximum energy efficiency. The lamp-to-keg distance stays constant regardless of keg size — the keg moves in or out rather than repositioning the lamp — so every keg in your lineup cures consistently.

Paired with the UltraLight™ 18” advanced UV system at up to 400 watts per inch of power, the UVSP combines technologically advanced design with increased uptime and lower operating cost — all in one compact machine requiring minimal floor space.

## MODEL UVSP — KEG SPIN CURE SYSTEM



Rear view — blower exhausts hot air and ozone from the curing chamber.

### STANDARD FEATURES

- Two-station indexer with a rotating platen at the cure station.
- UltraLight™ 18" power supply, Tri-Power (200 / 300 / 400 watts per inch).
- UV "H" lamp mounted vertically in the back of the machine.
- Blower exhausts hot air and ozone from the curing chamber.
- Viewing window (welding glass) into the curing chamber.
- Adjustable spin speed in front of the UV lamp.
- Light baffling between indexer stations blocks escaping UV.
- Overload protection • 100% made in USA.
- Tooling for 3 keg sizes included: 1/2, 1/4 and 1/6 keg.
- Maximum keg diameter 18" (457 mm).

### OPTIONS

- Automatic unload.
- LED irradiator in place of conventional UV lamp.
- Lamp adjustment in the "Z" axis.
- Additional lamp at top of the UV exposure station.
- Mechanical part-holding attachments for products not suited to vacuum hold-down.
- Additional keg-size tooling beyond the three standard sizes.

### APPLICATIONS

- Inks
- Adhesives
- Coatings

### ENGINEERING FEATURES

- Keg position moves in or out by size — lamp-to-keg distance stays constant for repeatable cures.
- Product is spun 360 degrees in front of the UV lamp at the back of the machine.
- Geneva drive, light baffling and indexer slip clutch protect both operator and keg.
- Blower draws cooling air through the unit to protect heat-sensitive components.
- Specular reflector inserts reflect up to 98% of UV energy — long lamp life, high output.
- Relay output for interface to other equipment; lamp has easy access for replacement.

### SPECIFICATIONS

|                        |                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------|
| Application            | Keg printing — stainless steel beer kegs                                                                     |
| Maximum Lamp Output    | Tri-Power (200 / 300 / 400 watts per inch)                                                                   |
| UV System              | UltraLight™ 18" advanced UV system                                                                           |
| Lamp Type              | UV "H" lamp, vertically mounted (mercury vapor standard; D-type iron and V-type gallium additives available) |
| Indexer                | Two-station, rotating platen at cure station                                                                 |
| Maximum Keg Diameter   | 18" (457 mm)                                                                                                 |
| Keg Tooling Included   | 1/2 keg, 1/4 keg, 1/6 keg (other sizes available)                                                            |
| Electrical Requirement | 1 phase, 208–240 or 460–480 V, 60 Hz (other options available)                                               |
| Cooling / Interface    | Forced-air cooling • Touch-screen control                                                                    |
| Protection / Origin    | Geneva drive, light baffling, viewing window • 100% USA                                                      |