



**LESCO™**

**CURING SOLUTIONS**

**A DIVISION OF AMERICAN ULTRAVIOLET**



# CONVEYOR CURING

## Since 1960

American Ultraviolet has brought superior ultraviolet conveyor curing technology, and customer service to screen and digital printers.

### UV Curing saves money in many ways, including:

- UV dryers take up less space, so shops can utilize more revenue-producing equipment
- UV uses less energy, therefore significantly cutting operating costs
- UV ink goes farther than solvent-based ink (up to 60 percent per gallon)
- UV curing can increase throughput four times over solvent-based processes
- Clean-up time practically disappears, adding to the time available for production
- UV technology doesn't pollute, inside or outside the shop, which means healthier employees, and a healthier, "greener" environment



**C SERIES**

**MULTI CURE**

**3SR**

**SPINSTER**

**TORNADO**



**LESCO™**

Torrance CA  
**310-784-2930**

[americanultraviolet.com](http://americanultraviolet.com)

## UV CURING

instantly solidifies coatings, inks, and adhesives with a cool, clean beam of light. Volatile Organic Compounds (VOC) found in the noxious, flammable solvents used by conventional coatings, adhesives and inks are completely eliminated. The ultraviolet curing process is a photochemical reaction where free flowing molecules, excited by UV radiation, link to form solid polymer chains. Small amounts of chemicals known as "Photoinitiators" act as catalysts, allowing the UV-curable adhesives & coatings to remain liquid, then instantly solidify or "cure" the material the split second UV light hits them.

UV curing involves 100 percent solids in a fluid state, with no hazardous substances released during the cure process. The environmental benefit: the amount of liquid applied before the curing process is the same amount remaining after the curing is complete - no leftovers; no VOC emissions; no compliance problems.

## C Series

### WITH MICROWAVE UV LIGHT SOURCES

The C Series of UV conveyors made by our Lesco division include the C636, C612 and C2000. All feature electrodeless light sources with power ratings of 300 W/inch. Also available are D, H, H+ and V bulb UV spectral outputs to exactly match the curing requirements of the selected UV chemistry. These industrial grade UV curing systems are built to withstand around the clock production cycles and designed to meet the rigorous demands of commercial applications..



#### C636

##### STANDARD FEATURES

- 6" cure width
- 1 or 2 rows of lamps
- 6" microwave bulb @ 300 W/inch
- .5-100 fpm variable belt speed
- 0-2" lamp focus adjustment
- 2" height clearance

#### C612

##### STANDARD FEATURES

- 6, 10 and 12" cure widths
- 1 or 2 rows of lamps
- 6" or 10" microwave bulb @ 300 W/inch
- .5-100 fpm variable belt speed
- 0-2" lamp focus adjustment
- 2" height clearance

#### C2000

##### STANDARD FEATURES

- 10-40" cure widths
- 2 rows of lamps
- 6" or 10" microwave bulb @ 300 W/inch
- .5-100 fpm variable belt speed
- 0-2" lamp focus adjustment
- 2" height clearance

#### Optional features

##### FOR C SERIES MODELS

- 4" height clearance
- Higher speeds available
- Nitrogen purge
- 500 and 600 W/inch optional

## Multicure

The Multicure UV conveyor system from Lesco UV is designed to cure very heat sensitive substrates that require large dosages of ultraviolet energy to cross link the UV chemistry. A proven solution for UV conformal coating of heat sensitive circuit boards, the Multicure is also ideal for silicone potting; sealing and gasketing; medical, ophthalmic and orthodontic plastic bonding and sealing; and thin film/ sensitive substrates. With the ability to edge handle PCBs and provide digital speed readout, the Multicure can be integrated into an existing production line.

#### Multicure

##### STANDARD FEATURES

- Choice of microwave electrodeless or conventional mercury arc lamps
- Variable belt speed
- Vacuum hold down
- Adjustable lamp height
- Shelf for power supplies
- 2-25 fpm variable belt speed
- Belt or edge handling configurations
- 4" height part clearance
- Cure width starting at 18"



# 3SR™

The Three Station Rotating (3SR) UV curing system from Lesco cures irregular shaped targets that are 10 inches or less in height. The stainless steel 3SR cures all sides evenly and provides an automated sequence to load and unload parts while the UV curing process is in progress. Equipped with soft touch controls, both the user and machine are protected from jamming of parts or accidental contact with the moving elements of the 3SR.



## 3SR™

### STANDARD FEATURES

- Fusion F300 6" mercury arc lamp light sources
- Power on/off control, E.P.O., load warning light
- 5" diameter x 10" tall maximum size of cured part
- Adjustable curing time interval from 1-60 seconds (custom programming available)
- 8-60 RPM rotational speed of target

# Spinster

The energy-efficient Spinster UV Bottle Curing system instantly cures inks and coatings on all sides of round, square, hex, oval or tapered bottles of various shapes, materials and sizes from 1/4 oz. to 1 gallon and 12-1/8" tall x 6" diameter. A unique, and patented, rotational conveyor and reflector design placement ensures complete 360° curing. The Spinster can be easily moved anywhere it's needed in the shop, requires only 15 sq. ft. of floor space, and can take the punishment of around the clock production requirements. UV curable inks and coatings can be applied to plastic, metal or glass containers.

## Spinster

### STANDARD FEATURES

- Variable speed curing capacity
- On/off and rotational speed controls
- 6" microwave lamp; or 12" arc lamp
- Internal reflectors for a 360° cure
- Patented technology
- 500 W/inch metal halide lamp available



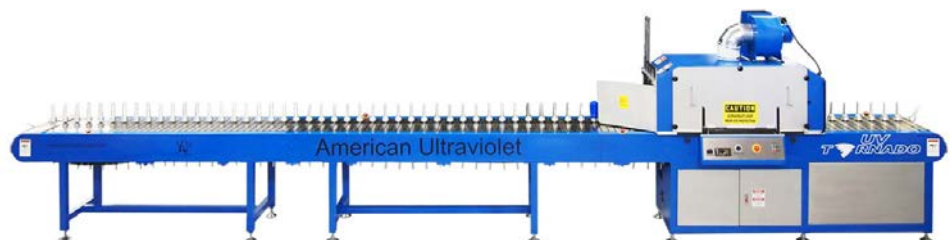
# Tornado 360°

The American Ultraviolet UV Tornado 360° Curing System instantly cures inks and coatings on all sides of virtually any cylindrical, oval and square container. Available with 10' and 20' conveyor lengths, and a 300 or 400 W/inch UV lamp, the UV Tornado is the perfect solution for all-around curing of plastic, metal and glass containers. We also welcome opportunities to design and build custom curing systems when unique solutions are requested.

## Tornado 360°

### STANDARD FEATURES

- 300 or 400 W/inch UV lamp
- Mercury or metal halide lamp
- Tri-power lamp intensity
- Adjustable speed control
- Digital FPM indicator
- Lamp beam adjustment





**American Ultraviolet**<sup>®</sup>

Insightful Solutions. Remarkable Results. SINCE 1960.

**LESKO**<sup>™</sup>

CURING SOLUTIONS



For the best source of standard and custom UV curing systems, no one outshines American Ultraviolet. We've focused exclusively on UV since 1960. We've invested in the research and development necessary to stay at the forefront of the industry. We offer the highest quality products at competitive prices. And we back all of our systems with superior technical support and customer service.

American Ultraviolet is comprised of three operating divisions:

- UV systems and components  
American Ultraviolet manufactures UV systems and components, including additive lamps, to primarily cure inks and coatings for a wide variety of applications, including screen and digital printing and wood processing.
- Advanced UV integrated curing systems  
Aetek UV Systems provides advanced UV integrated curing systems for the narrow-web, industrial, and large-web shutter industries.
- High-intensity UV arc and LED spot curing systems  
Lesko specializes in high-intensity UV spot-curing systems that bond substrates together using UV-curable adhesives for markets that include aerospace, electronics and medical devices, among others.

So, the next time you're in the market for curing equipment, give us a call, or visit us on-line. We're confident it won't take you long to realize that there's no better source of UV under the sun than American Ultraviolet.

### **American Made Quality, and Accessibility**

Since 1960 American Ultraviolet has designed and manufactured the most comprehensive line of effective UV curing equipment. All products and replacement parts are made in the U.S.A.; and backed by experienced and accessible technical and customer support teams ready to serve you.

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