



American Ultraviolet®

Inightful Solutions. Remarkable Results.
SINCE 1960

LESCO™

CONVEYOR CURING SOLUTIONS



American Ultraviolet has been manufacturing state-of-the-art UV conveyor curing equipment since 1960. Some of our most popular curing solutions include LESCO systems.

Mini-Conveyor



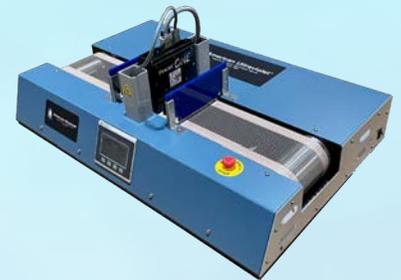
The **Mini-Conveyor UV Curing System** is the workhorse for small production, and batch UV curing, and cures substrates up to six inches wide. Options for the mini-conveyor include 3' and 5' lengths, and are available with 300 or 400 watt per inch mercury, iron, or gallium-doped lamps. Having a variable speed of 2 to 100 FPM, this system can also have one UV lamp and one LED lamp head.



LED Mini-Conveyor



Similar to the arc lamp system with a variable belt speed, the **LED mini-conveyor** is ideal for curing inks, coatings and adhesives, including heat-sensitive films, at 365nm or 395nm. It's also the perfect solution for small substrate production, and for color matching and testing in laboratories. Touch screen controls allow for easy operator interfacing. Optional height adjustments for higher substrates are also available.



3-Foot Series



Available in 6" to 18" widths and as single lamp systems, these **3-foot series curing conveyors** are stand-alone conveyor systems compact enough to fit nicely into tight spaces, making them ideal for laboratory samples, color matching, and production applications.

Up to 400 watt per inch lamp systems are available, as are mercury, iron and gallium lamp systems. Electronic power supply enables ultimate lamp adjustments and intensity control.





Standard Conveyors

American Ultraviolet's **standard UV curing conveyors** are anything but standard. And more and more printers are discovering the benefits of our systems, including space, energy, and ink savings, quadrupled throughput, greatly reduced cleanup, a healthier environment, and healthier employees. We offer two large standard conveyor curing systems (6' and 10' lengths), as well as custom conveyor solutions for any length you require.

Electronic power supplies are available for the ultimate mercury, iron, or gallium-doped lamp adjustment and versatility. Double and triple lamp configurations, as well as infrared and shortwave UV-C, for texturizing applications, are also options.



Super Cool Conveyors

The state-of-the-art "**Super Cool**" conveyor curing system maintains substrate temperatures at or below 98° Fahrenheit.* Super Cool conveyors are typically 13' in length, and usually have two lamp systems, infra-red quartz plates, and extra-large cooling fans to minimize the temperature of the substrate.

The design can be adjusted for longer in-feeds, or outfeeds, depending upon the application. Electronic, fully adjustable power supplies are standard.



*Based on ambient air temperature of 72° F, belt speed at 60 FPM and lamps at 200 WPI.



UV LED Conveyor Systems

UV LED lamps have become very popular on curing conveyors, and American Ultraviolet offers them at 365nm or 395nm wavelengths. The conveyor length can be made to any length in order to accommodate the desirable sheet size.

UV LEDs are instant on, and instant off, so there's no need for warm up or shut down procedures. Typical widths are 6, 12, 18, 24 and 30" wide; custom sizes can be manufactured.



Custom Solutions from American Ultraviolet

We recognize there are unique applications that require custom UV systems integration solutions. Please invite us to help define, design, build, deliver, and support a custom UV solution for you and your customers, as we have been doing for thousands of customers since 1960.

This could be a combination of various wavelength lamps, or lamps and LEDs. Any size, wattage, or design is possible.



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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