Aetek UVXL™ Shuttered UV Systems are the industry standard for air-cooled shuttered systems. For more than 45 years these universal UV curing systems have been called on to cure UV inks, varnishes, adhesives and coatings at all production speeds, in numerous industries, and for a wide range of applications. The UVXL family is available in standard and custom configurations, and standard lamp sizes run from 6 inches to greater than 80 inches, in web or conveyor configurations. The rugged and low maintenance design of the UVXL makes it well suited for even the harshest environments.

Applications
UVXL systems are used in metal decorating, wide web flexography, web offset, rotogravure, rotary screen, screen printing, industrial and 3D curing applications.

Benefits/Return On Investment
• Enhanced productivity as minimal cleaning is required between jobs
• Inks and coatings stay “open” until exposed to ultraviolet radiation
• Improved print quality through high resolution images and near perfect tone reproduction
• Open new markets and build existing business around high performance UV curable inks and coatings

Power Supply and Controls
UVXL Shuttered UV Systems can be configured to meet your operational needs and control requirements. Standard single lamp power supplies have remote operator controls for ease of use. Multi-lamp systems can be incorporated into XLMC modular cabinets (for 2 to 8 lamps, up to 60” width) that feature state-of-the-art TSI-100 membrane-touch pads. They can also be installed in custom NEMA cabinets (2 to 8 or more lamps) and controlled by using AB Programmable Logic Controllers, with custom designed software, to seamlessly integrate into your production environment.

Training
Complete in-house or on-site customer training programs are available to help educate operators with the safe use of equipment.

Safety and Reliability
All systems are fully interlocked and designed to ensure the highest level of operator safety. All systems are fully assembled and tested prior to leaving the factory to ensure years of reliable operation.

Custom Engineering
Our experienced project teams and customer service technicians are available to help with special operating situations, and for custom-engineered projects.
**UVXL Specifications and Components:**
- Standard lamp lengths from 6” to 60” in single or XLMC multi-lamp configurations; custom lengths up to 90” in single or custom multi-lamp configurations
- Highly focused irradiator maximizes output for faster press speeds
- 400 - 600 W/inch medium pressure mercury lamps are standard; metal halide lamps available to suit process requirements
- Polished aluminum, user-replaceable reflector liners are standard; dichroic-coated liners available for heat management
- Individual exhaust air controls for optimal lamp cooling
  - 3-step preset variable frequency drive is standard
  - Thermal feedback, variable frequency drive systems monitor exhaust temperature and automatically adjust air flow
  - Automatic temperature controlled dampers monitor exhaust temperatures and automatically close duct dampers for fixed flow cooling systems
- XL Modular Cabinets (XLMC) power supply enclosures – expandable in the field from 2 to 8 lamps
- NEMA style cabinets with relay logic or PLC controls and operator interfaces
- Easy access inner-lamp module enables simple maintenance
- Robust design offers multiple safety interlocks for operator protection
- Mounting and light shielding options
  - Web base with pneumatic lifts for web printing applications
  - Conveyor base with pneumatic lifts for conveyor printing applications
  - No base design – fits into customer supplied light shielding
  - Custom bases – designed to meet customer requirements
- Voltages
  - 208, 220, 230-240, 460-480 60Hz
  - 220, 400, 415, 440 50Hz
- Operator controls
  - Single lamp – panel switches; or TSI-50 hand-held remote
  - Multi-Lamp – TSI-100; or PLC w/ touch screen

**ULTRAPAK SYSTEM CONFIGURATIONS**

<table>
<thead>
<tr>
<th>Arc Length (inches)</th>
<th>Max. Cure Width</th>
<th>Lamp Housing Lengths (width 6”)</th>
<th>Individual Power Supply Dimensions (WxHxD)</th>
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* Lamp housing dimensions shown. Base options change mounting and installation dimensions.

**SPECTRAL OUTPUT**

- **Mercury Vapor Lamp**
- **Iron-additive Lamp**
- **Gallium-additive Lamp**

**American Ultraviolet**

**Atek UV Systems Division**

www.aetekuv.com
212 South Mt. Zion Road • Lebanon, IN 46052
(765) 483-9514 • (800) 288-9288
Fax: (765) 483-9525

**Sales and Service Office**
1229 Lakeview Ct.
Romeoville, IL 60446
800-333-2304