



Aetek UVXL™ Shuttered UV Systems

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

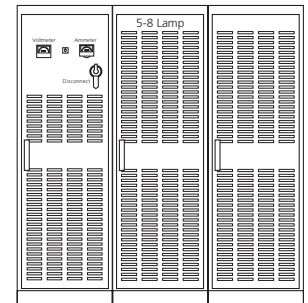
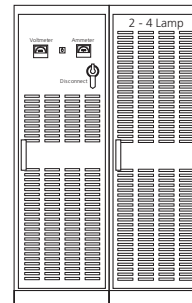
Complete in-house or on-site customer training programs are available to help educate operators with the safe use of equipment.

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.



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UVXL Specifications and Components:

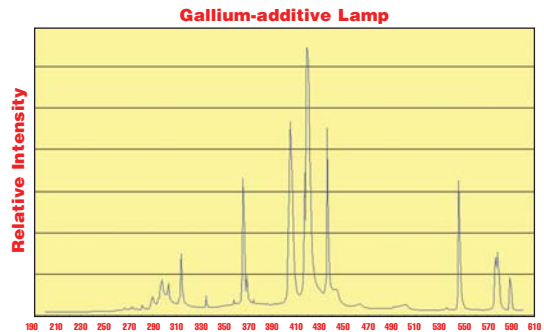
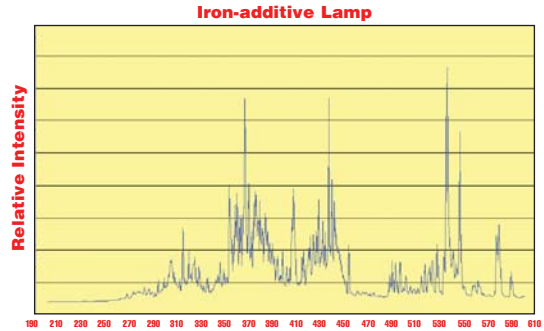
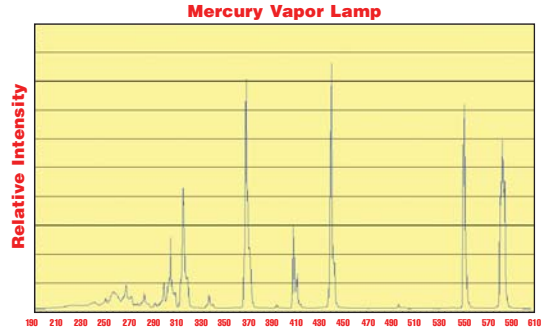
- Standard lamp lengths from 6" to 60" in single or XLMC multi-lamp configurations; custom lengths up to 90" in single or custom multi-lamp configurations
- Highly focused irradiator maximizes output for faster press speeds
- 400 - 600 W/inch medium pressure mercury lamps are standard; metal halide lamps 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, 240, 380, 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

Arc Length (inches)	Max. Cure Width	Lamp Housing Lengths (width 6")	Individual Power Supply Dimensions (WxHxD)
6	4	12.375	19x15x26
9	7	15.375	19x15x26
12	10	18.375	19x15x26
15	13	21.275	19x15x26
18	16	24.375	19x15x26
20	18	26.375	19x15x26
23	21	29.375	19x15x26
25	23	31.375	19x15x26
27	25	33.375	19x15x26
29	27	35.375	19x15x26
35	33	41.375	19x15x26
42	40	48.375	19x15x26
48	46	54.375	19x15x26
50	48	56.375	19x15x26
55	53	59.375	19x15x26
60	58	64.375	19x15x26

* Lamp housing dimensions shown. Base options change mounting and installation dimensions.

SPECTRAL OUTPUT



Arc Length (inches)	No of Lamps	Modular Cabinet Dimensions (WxHxD)
6 - 25	2	24x76x24
6 - 25	6	48x76x24
6 - 25	8	72x76x24
27 - 60	4	60x76x30
27 - 60	8	90x76x30



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UVXL SYSTEMS