Why Aradiant Classic UV?

Features	Benefits
Aradiant has designed the industry's only totally refrigerated water-cooled head as a heat sink, thus controlling the environment in which the lamp operates. This controlled environment ensures that optimum lamp life is obtained and enables the system to idle at a reduced output of 25% of total output when press stops are required.	The lamps can be struck and left at idle for as long as necessary without re-striking, thus economizing lamp life and power consumption. In addition, during make-ready and press stops the lamps remain struck.
The UV head uses an optical system that produces parallel reflections. This reflector optimizes the UV energy into a consistent beam. This is extremely important on press extension deliveries/goosenecks and interdeck where stocks tend to flap and the distance between the UV radiator and the stock is not always consistent towards the tail end of the various printed stocks. In addition, different press designs dictate different heights between the UV assembly and substrate.	Printed stocks run consistently cooler (lighter stocks benefit in particular), and "good cure" is assured on even the most wavy of printed stocks. The increase in curing dwell also promotes better adhesion.
The system operates without ozone generation since no air is used to cool the lamp. This is the only system able to run without extraction equipment on the press. Aradiant installations are extremely compact with only an umbilical cord feeding the UV heads (this cord feeds the chilled water, compressed air for the shutter, and electrical power).	The press remains uncluttered and as ergonomic as the original press manufacturer intended. The system is more energy efficient because venting of air out of the plant (which is heated or cooled) is not required. The more consistent room environment is also much better for printing. In addition, the system is compliant with newly introduced clean air legislation.
Lamp change times are reduced to a minimum; all that is required are the removal of two cap head screws and an electrical connection.	The quickest lamp change possible. Normally 5-10 minutes.
Patented linear bearing water cooled shutter. The shutter runs on case hardened shafts and is operated by a pneumatic push/pull cylinder-no overhung load.	Simple reliable shutter system with minimum working parts, that provides absolute protection of press components and the substrate.

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Why Aradiant Classic UV?

Features	Benefits
The only "over-arced" lamp system available. The system utilizes a 42" ARC for a 40" press (subject to press design).	UV lamp ends darken (early in life) and become inefficient. With the increased ARC length the unit will continuously cure a full 40" sheet for the entire life of the lamp.
Operates with variable power outputs-the highest being 400 WPI (160 WPCM). All lamps, both interdeck and end of press, are 400 WPI.	400 WPI will cure an extremely heavy ink coverage with less dwell than the competition. This generally relates into higher press output.
"Twin-head" interdeck is available for large format and high speed curing 600 WPI.	The most demanding of jobs (metallized paper with opaque white and perfecting) can be run at high speeds without piling.
Unique reflective coating on the inside of the computer designed optically correct Parabolic Reflector. Maintenance of the reflector typically consists of a "wipe" upon lamp replacement.	Extremely simple reflector maintenance and greatly reduced maintenance costs.
Refrigerated water cooling system.	An integrated central control and chilling system that can include oscillator cooling, as well as IR equipment for aqueous coating and conventional ink drying.
PC base computer control on most systems. All programs are written by Aradiant personnel and can be modified to the installation's requirements.	Computer controlled machines are extremely reliable, the PC enabling press electrical interface and multiple programming or software upgrades at a later stage.
Computer monitored status indicators for all major functions. These include low water, high water, temperature, lamps on, etc. The hour indication meters are on each individual lamp.	Easy operator checks for status of the unit, and operator friendly controls.

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Why Aradiant Classic UV?

Features	Benefits
Chilling system cycles only on demand and within a preset water temperature range.	The system operates at maximum efficiency and maintains the optimum environment in the UV heads automatically.
Bolt in place interdeck assemblies (where transfer systems permit). The equipment is not bolted permanently in the press.	Allows operator easy access to the impression and transfer cylinders in the press since the UV equipment moves out of the way with the deck.

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