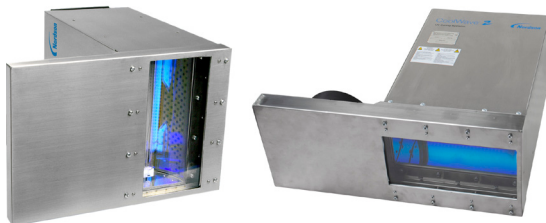# CoolWave® System Accessories
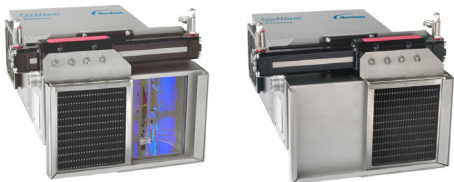
Proprietary components for the CoolWave® System can help optimize the efficiency of your UV curing operations

AirShield ventilation system pulls in moderately filtered air to cool the lamp head during operation.

The AirShield system is available in two configurations, depending upon the application needs.

Six-inch LightTite Shutter System shown open (left) and closed (right).

Ten-inch LightTite Shutter System shown closed (left) and open (right).

Each CoolWave system lamp head can be fitted with optional patented components to increase the features of the CoolWave system for maximum operating performance. Each option is constructed of stainless steel and bolts easily to the face of the CoolWave system lamp head.

Patented AirShield™ Ventilation System

The modular patented AirShield ventilation system pulls in moderately filtered air to cool the lamp head during operation – and still maintain a clean room environment. Use of outside air reduces the cost of providing filtered clean air, while maintaining part integrity without contamination. The AirShield ventilation system uses a high-quality quartz lens over the face of the lamp head for the highest UV transmittal.

- Clean, contamination-free operation
- No hot air contamination blowing on parts
- Ozone vented away from operators
- The AirShield system is available in two configurations, depending upon the application needs.

Patented LightTite™ Shutter System

The pneumatically powered, patented Nordson LightTite shutter opens and closes instantly to block UV light – without turning off the lamp head and power supply. The LightTite shutter is ideally suited for systems running manually loaded and unloaded parts. It is also used for heat-sensitive parts where accurate control of UV exposure is required.

Closing of the shutter does not impede cooling airflow through the lamp head, but does block out all UV light for safety. Connected by a customer-supplied control system, the LightTite shutter uses reed switches to confirm the position of the shutter. Features like these ensure that the shutter is either completely open or completely closed.

Nordson