

XENON™ Z-2000

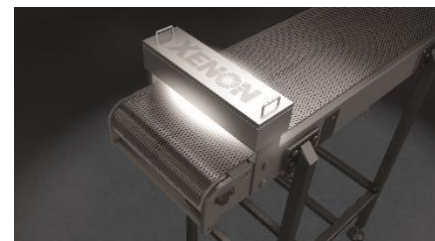
High-Intensity Pulsed Light System

Z-2000 CONVEYOR TREATMENT SYSTEM

The Z-2000 represents the most advanced technology to date for “Any-Time” conveyor sanitization. It provides a solution for sanitation of conveyors throughout the day as opposed to cleaning cycles performed during shut down periods.

This system utilizes XENON’s high intensity Pulsed Light technology. The core of the system is XENON’s unique pulsed lamp designed for pathogen destruction. The system is a single lamp solution enclosed in a NEMA 4X housing. Both electrical cabinet and the lamp housing are wash-down compliant to IP-67K rating. The system is designed to work with conveyor widths up to 30in. This compact system is easy to integrate onto any production line with minimal disruption to production flow.

The Z-2000 is a completely integrated stand-alone system including stainless steel enclosure and Electro-Optical system and Pure Pulse™ Lamp.



DEPLOYMENT CASE EXAMPLE

- Stainless steel link belt conveyor carries product through freezer.
- Temperature in freezer is -29°F to -40°F.
- Regular belt wash-down impractical.
- Belt width approximately 28in.
- Bacterial contamination found at belt exit from freezer.
- High Humidity, Low Temperature Operating Environment.



Specifications

General	The Z-2000 system includes power systems pulse shaping module, high speed electronics trigger system and optical system for efficient delivery of light to conveyor.
Mains Input Power	1Φ 200-240 Vac 50/60 Hz 30amp max.
Pulse Energy and Pulse Rate Options	Pulse Energy & Pulse Rate Options 1 – 505 J/pulse @ 3pps Pulse Energy & Pulse Rate Options 2 – 9.4 J/pulse @ 100pps
Output	
Operational Control	Switch Button for ON /OFF on Control Panel E-Stop on Control Panel and External Interlock
Optical Window	Rectangular: 30" x 4" (762mm x 101mm)
Housing Distance to Belt	4" (101mm) from Window Face
Environment	
Operating Environment	0°- 40°C
Mechanical	
Enclosure	Custom 30" NEMA 4 Lamp Housing
Dimensions	Cabinet: 35" x 42" x 12" (890mm x 1070mm x 305mm) Housing: 39.3" x 11" x 7" (1000mm x 280mm x 180mm)
Weight	Housing 60lb. (approximately)
Cooling	Forced Air 1 HP Blower: BL-1001 Blower Kit Power Rating: Single Phase, 200-240 Vac 50/60 Hz 6 amp
Rating	IP-67K

NOTES:

1. Cable length determined on an individual customer basis.
2. Cooling is dependent on operating duty cycle.
3. Blower, blower filter, metallic ducting, duct clamps and mains power cord.
4. Maximum duty cycle determined by pulse energy selected,
5. High voltage and Control cable: 3 or 6 meters.
6. Includes timer control kit.
7. I/O required to control the system including:
 - HV Enable/Disable
 - Trigger Enable/Disable
 - Lamp Trigger



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