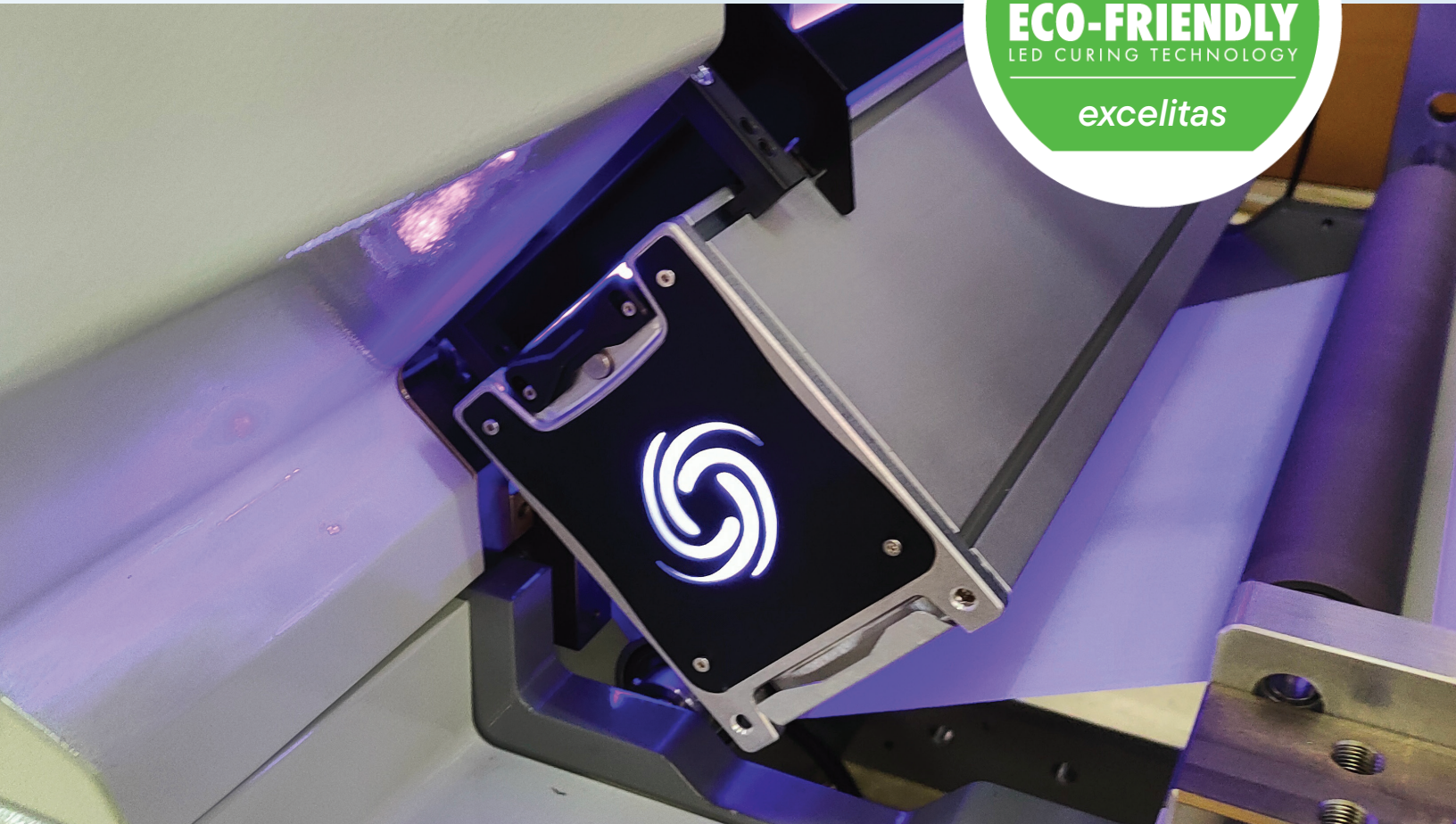


*Phoseon*<sup>®</sup>

# NEXUS II<sup>™</sup>

## UV LED Curing Systems





## smart

**Nexus II UV LED**  
NEXUS II DATAHUB™  
REALTIME MONITORING



## unique

**Nexus II UV LED**  
2x MORE DIODES THAN OUR  
LEADING COMPETITORS



## reliable

**Nexus II UV LED**  
> 60 000 HOURS  
LIFETIME

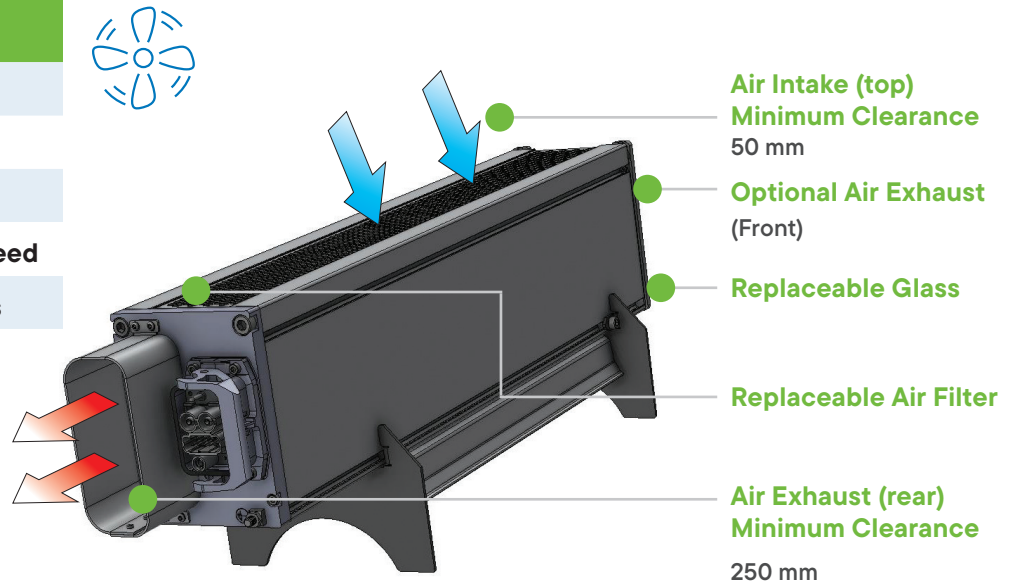


## assured

**Nexus II UV LED**  
5 YEAR WARRANTY  
ON FULL SYSTEM

## NEXUS II AIR-COOLED

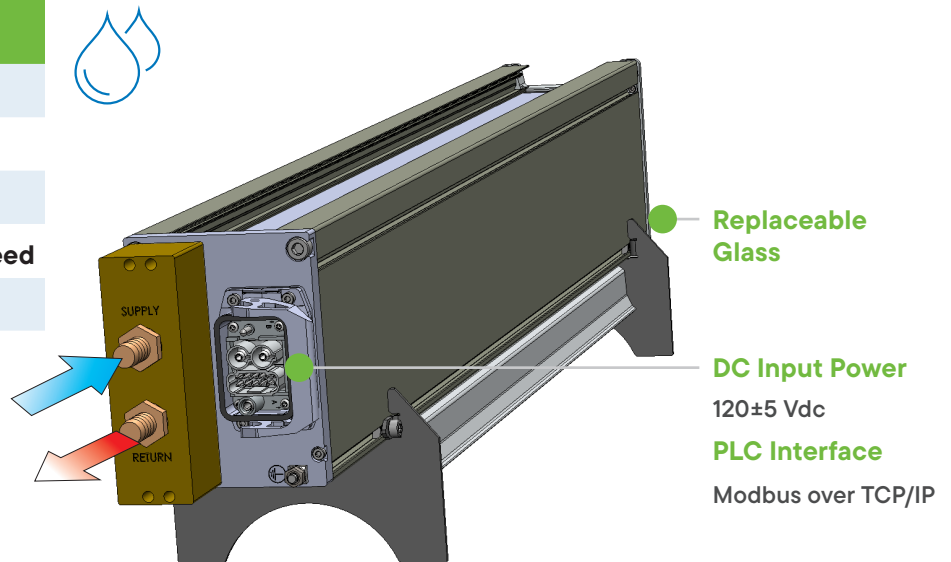
- web width: 300 - 600 mm
- no chiller / fan blower needed
- 70% less kwh consumption
- up to 720 ft (220m)/min print speed
- quick + easy retrofit to any press



- Air Intake (top)  
Minimum Clearance  
50 mm
- Optional Air Exhaust  
(Front)
- Replaceable Glass
- Replaceable Air Filter
- Air Exhaust (rear)  
Minimum Clearance  
250 mm



## NEXUS II WATER-COOLED

- web width: 300 - 675 mm
- higher dose
- 60% less kwh consumption
- up to 1050 ft (320m)/min print speed
- quick + easy retrofit to any press



- Replaceable Glass
- DC Input Power  
120±5 Vdc
- PLC Interface  
Modbus over TCP/IP

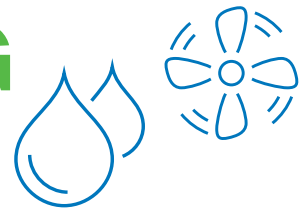
## PERFORMANCE

Maximum electrical power	65W AC / 90W WC per cm
Expected diode lifetime	>60 000h at L90
Maximum operating temperature	45C for air-cooled lamps
Diode count	108 diodes per 25mm segment
Maximum print speed 	720 ft (220 m)/min Air-cooled
Maximum print speed 	1050 ft (320 m)/min Water-cooled
Standard cross section	110mm W x 190mm H

# QUALITY BUILT IN

- + self protecting diode design
- + 23 years UV LED experience
- + 5 year warranty on all components
- + longest lifetime in the industry

# COOLING BUILT IN



- + Air and water-cooled versions
- + no external fan
- + less energy consumption
- + quick and easy retrofit

# PATENTS BUILT IN

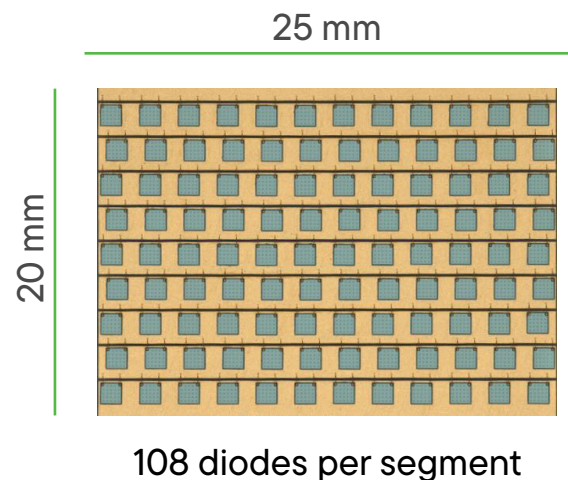
- + over 300 patents in UV LED
- + VALIDCURE™ Technology
- + approved with all UV LED inks
- + highest dose in industry

# EFFICIENCY BUILT IN

- + up to 70% less energy consumption
- + air cooling = no compromises on curing
- + highest diode count in industry
- + highest printing speeds in industry

## HIGHEST LED DIODE COUNT IN THE INDUSTRY

- **more diodes = higher total UV power (dose)**
- **lower diode junction temperature**
- **less heat**
- + **higher lifetime expectancy**
- + **higher print speeds**
- + **higher redundancy**

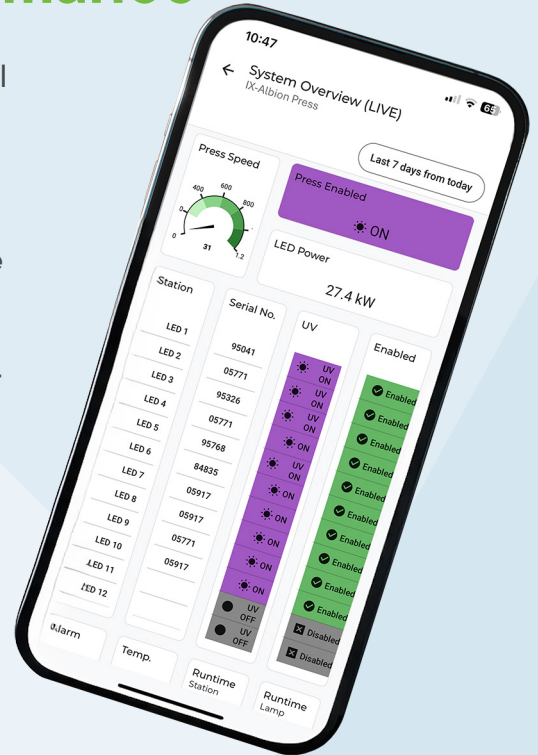


# Nexus™ DataHub

## Your Window into System Performance

Nexus™ DataHub gives you real-time, cloud-based access to critical system data— **anytime, anywhere**. Designed to enhance the performance and serviceability of your Nexus II™ curing system, it goes beyond UV LED performance to also monitor **overall machine performance**.

- **Cloud-Based Access:** View your data from anywhere via our secure web portal or mobile app.
- **Real-Time & Historical Monitoring:** Track performance live or review past data in intervals from 30 seconds to 1 hour.
- **Comprehensive Data Insights:** Monitor a wide range of key metrics, including: overall machine performance, UV intensity, system speed, energy consumption
- **24/7 Operation:** DataHub runs continuously to provide full visibility into your system.
- **Exclusive Benefits:** Nexus DataHub users receive special service and repair discounts.



## Proven Reliability

### 5 Year warranty for Entire System

- + investment protection
- + no additional charges, no hidden costs
- + not connected to usage of lamp
- + lowest cost of ownership



Download the Ixon Portal App today!





---

**USA and CAN**  
**(+1) 800-668-8752**

---

**excelitas.com**  
**phoseon.info@excelitas.com**

**Europe**  
**(+49) 551-6935-0**

**Asia/Pacific**  
**(+65) 6499-7777**

For a complete listing of our global offices, visit [www.excelitas.com/locations](http://www.excelitas.com/locations)

© 2025 Excelitas Technologies Corp.

Phoseon® is a registered trademark. The Excelitas logo and design are registered trademarks of Excelitas Technologies Corp. Excelitas reserves the right to change this document at any time without notice and disclaims liability for editorial, pictorial or typographical errors.

Phoseon Nexus II Brochure\_2025.09