



ENABLING THE FUTURE THROUGH LIGHT

EXCELITAS CONFIDENTIAL AND PROPRIETARY MATERIAL  
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# GPI Annual Meeting

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April 10, 2024



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## Business Snapshot

- **Phoseon** Acquired February 15, 2023
- **Heraeus Noblelight** Acquired January 1, 2024
- Global network of design and manufacturing locations in the Americas, Europe and Asia
- Deep portfolio of innovative photonic technologies and products
  - Lasers & Light Sources
  - Optics & Optomechanics
  - Sensors & Detectors
  - Power Supplies & Electronics
- Over 7,500 employees worldwide
- Privately held – AEA Investors LP (NYC), since 2017



## OmniCure + Phoseon + Noblelight = Curing Market Driver



**OmniCure:**  
Spot Curing



**Phoseon:**  
LED Industrial  
Curing



**Noblelight:**  
Microwave & IR  
Curing

# Excelitas R&D Lighting Community



Expanding our global lighting footprint.

## 9 CENTERS OF EXCELLENCE

History of innovation, fast design cycle and proprietary technology established Excelitas as a world leader in lighting solutions.



## CULTURE & VALUES

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## 63 R&D RESOURCES

(Toronto, Munich & Hillsboro)

Diverse talent pool.

**OmniCure®**  
UV Curing • In Control



UV Supplier with greatest product breadth & largest install base.

## 40 YEARS COMBINED MANUFACTURING EXPERIENCE



## UV LED PRODUCTS +50

Supporting a broad portfolio of LED products and NPI projects to exceed the demands of global customer base.

## 350+ LED TECHNOLOGY PATENTS

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**EXCELITAS**  
TECHNOLOGIES®

# LED Product Portfolio



Air-cooled

Water-Cooled

FireJet™

Nexus ONE™

FireEdge™

FireLine™

Nexus ONE™



# Leading LED Curing Technology

## *FireJet ONE*

The small footprint and end-to-end scalability of the FireJet™ ONE makes it an ideal solution

- Air-Cooled & Scalable
- Small form factor, lightweight
- Power: 20W/cm<sup>2</sup> @ 395nm
- TargetCure™ & WhisperCure™

## *FireLine FL400*

Highest peak irradiance, water-cooled LED array at 24W/cm<sup>2</sup>. Lamps are scalable to support all lengths

- Water-cooled & Scalable
- Built for rugged environments
- Power: 24W/cm<sup>2</sup> @ 395nm
- Digital or analog control



# Nexus One – Flexo

## *Air Cooled*

- Press sizes: 10, 13, 17, 20 & 22 inches
- Rugged & reliable in tough environments
- Easy mounting with common form factor
- Ethernet communications
- Up to 220 m/min (720 ft/min) curing speed

**5-year warranty**

## *Water Cooled*

- Press size: 26 inch
- Rugged & reliable in tough environments
- Easy mounting with common form factor
- Ethernet communications
- Up to 320 m/min (1050 ft/min) curing speed

**5-year warranty**





# NEXUS ONE™

## *Value Proposition:*

- ◆ Higher profits through increased press uptime
- ◆ Proven long lifetime in manufacturing environment
- ◆ Scrap is reduced with increased yields
- ◆ Rugged, field-tested design for narrow web presses
- ◆ Easily replaceable protective glass plate



UV OFF,  
Station Disabled



UV OFF,  
Station Enabled



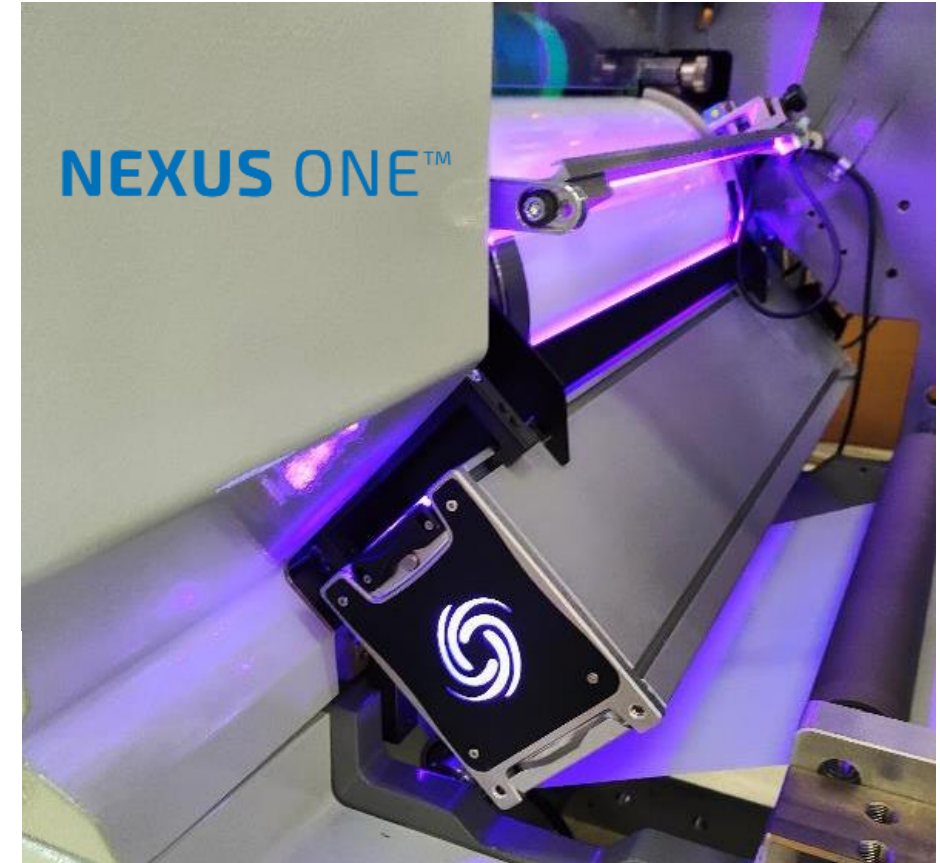
UV ON



Warning



Fault



## Industrial Solutions

- Variety of Options for Power & Control
- Advanced Controller System (ACS)
  - Controls multiple curing stations
  - Irradiance control
  - Temperature readout
- Accessories for Industrial Environment
  - Protective glass covers
  - Robust power connector support
  - Scaling kits
  - Reflectors



## Why Choose Excelitas?

### Unmatched applications support and expertise

- ▶ In-house, state-of-the art materials study lab
- ▶ On-site integration support
- ▶ Customization capabilities dedicated to unique applications

### Performance

- ▶ Unmatched Proprietary Technology
- ▶ Unmatched product features

### Reliability

- ▶ Best in class product quality and support
- ▶ Committed Delivery

### Recognized industry leader

- ▶ Leader in fiber cure solutions WW
- ▶ Combined over 40+ years in LED product design & manufacturing

### Global

- ▶ Worldwide coverage with local expertise in over 70 countries
- ▶ Sell to 50+ global fortune 500 companies

# EXCELITAS

TECHNOLOGIES

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