



**ARRADIANCE®**

## **PRIME™ PLATINUM**

*The Most Powerful ALD System Arradiance offers!*

Leveraging the extremely successful and proven performance of GEMStar XT™, this system provides a highly configurable modular platform to meet your needs and requirements, today and well into the future.



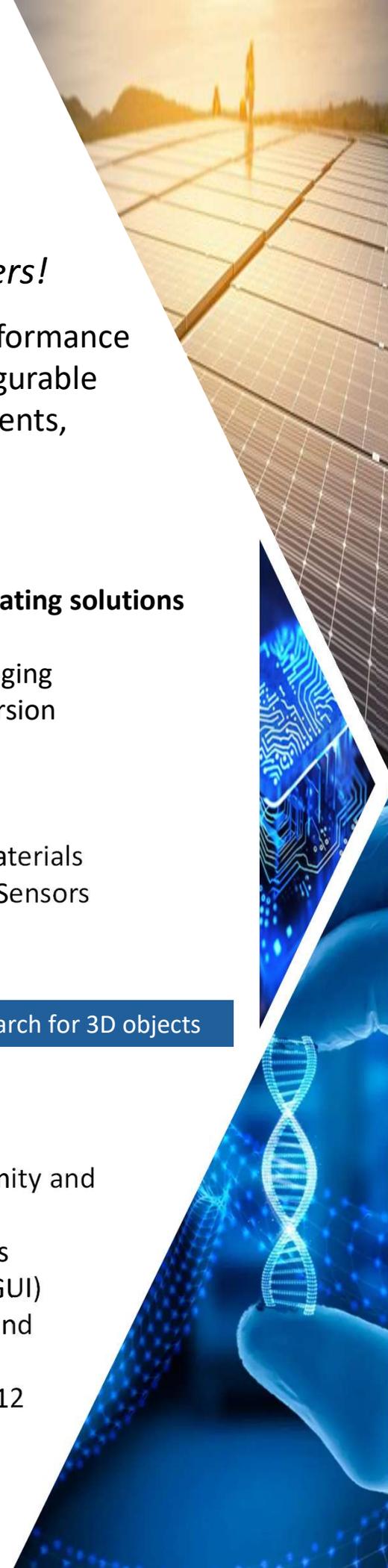
**The ALD Powerhouse**  
Delivers next generation coating solutions for:

- ◆ Semiconductors & Packaging
- ◆ Energy Storage & Conversion
- ◆ Advanced Optics
- ◆ MEMS & 3D Sensors
- ◆ Biomedical Devices
- ◆ Quantum & Photonic Materials
- ◆ Flexible Electronics and Sensors

Move your Research to the Production floor or scale up your Research for 3D objects

### **A configurable ALD powerhouse**

- ◆ Up to 15 Sources
- ◆ Improved reactor and precursor delivery thermal uniformity and with increased process control
- ◆ Increased capability with handling low volatile precursors
- ◆ Intuitive multi-level heads-up Graphical User Interface (GUI)
- ◆ Next generation safety protocols protecting the system and operators
- ◆ Single substrate and batch operation up to 200mm or M12 substrates and 3D objects
- ◆ Field reconfigurable as your needs change



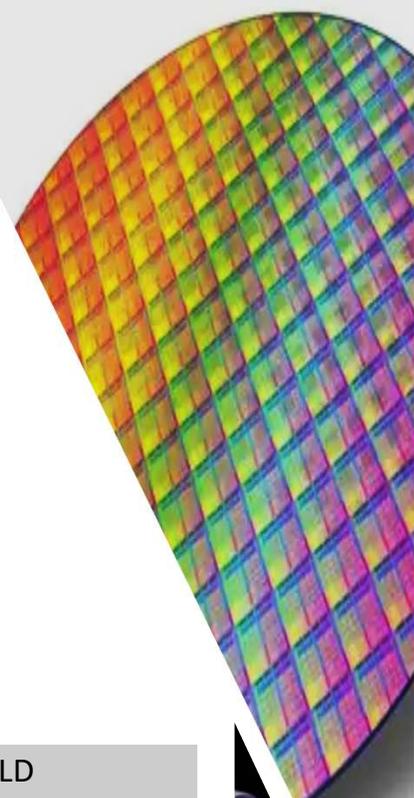


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## **PRIME™ PLATINUM**

*Thermal and Plasma  
Enhance ALD*



## **Features**

<b>Deposition Modes</b>	Thermal ALD & Plasma-Enhanced ALD (Flow Thru & Expo Modes)
<b>Usage</b>	Production & R&D Scale-Up
<b>Chamber Volume</b>	Up to QTY 20 - 200mm wafers or 210 x 210mm panels
<b>Substrate Types</b>	2D (Wafers) & 3D (Particles & Objects)
<b>Precursor Material Supported</b>	Inorganics & Organics
<b>Precursor Sources</b>	Configurable
<b>Extremely Low Vapor Pressure Materials</b>	Yes
<b>Pressure Control</b>	Yes
<b>Cooling</b>	Air-Cooled (No Chilled Water required)
<b>Integration</b>	Stand alone or Glovebox
<b>Metrology</b>	Yes – standard Metrology Port
<b>Dimensions (W x D x H)</b>	36.72" x 65.25" x 74.78"

**CUSTOMER CONFIGURABLE TO MEET YOUR SPECIFIC CURRENT AND FUTURE FILM DEPOSITION REQUIREMENTS AND SUBSTRATE SUPPORT**

**Featured in numerous publications, articles, and presentations around the world, The Arradiance ALD Technology delivers across diverse markets and applications**

### **Arradiance LLC**

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