



## July 2024 Newsletter



RECENT NEWS

### Upcoming Webinar

BD's journey with the Lumia X1 and Ultracur3D® RG 3280 began last year and has since evolved into a process they term "Concept Injection Molding." This process enables "Idea to injected parts within a day" using mold inserts printed on the Lumia X1, transforming their R&D culture.

The Lumia X1's precise printing capabilities produce mold inserts with exceptional surface quality and durability, further enhancing the efficiency and accuracy of the injection molding process. Brett Charlton will share the process, technology, insights, and considerations, illustrating how the Lumia X1 has fully optimized their injection molding workflow.

**INJECTION MOLD TOOLING WEBINAR**

**AXTRA3D**

**Concept Injection Molding with Axtra3D's Lumia X1: The BD Journey**

**Brett Charlton**  
Brett Charlton  
Senior Manager - 3D Printing & Prototyping  
Digital Engineering

14th August 2024  
10:00 AM EST

**REGISTER HERE**

### "No Tradeoffs" Photopolymerization Solutions and Technologies

Learn more about Axtra3D's revolutionary technologies that redefine its capabilities and performance. Moreover, explore the Lumia X1 advantages, Axtra3D's business models, and successful applications.



[READ MORE](#)

### Additions to Axtra Solutions™

We offer two distinct models: Axtra Solutions™, which delivers meticulously optimized solutions, and Axtra OpenAccess™, which enables customers to innovate with diverse materials and applications.

These approaches empower our customers with flexibility and specialized capabilities, ensuring they achieve their unique manufacturing goals effectively.

The new additions to our Axtra Solutions™ portfolio materials include:

LOCTITE 3D IND3380™

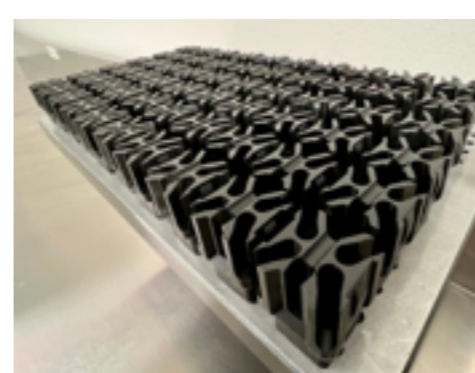
FIGURE 4® MED-WHT 10

FIGURE 4® PRO-BLK 10

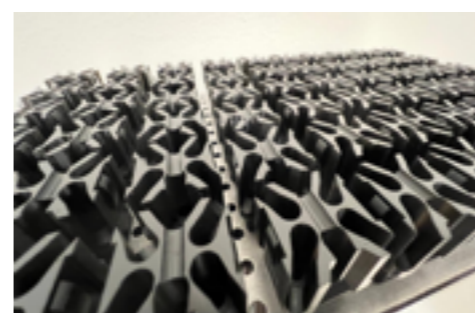
### Other Prominent Applications

#### Electrical Connectors

The advanced technology of the Lumia X1 is revolutionizing the manufacturing process for critical components, effectively addressing industry challenges and setting new benchmarks in rapid throughput (producing 60 connectors in under 3 hours).



The precision of its crisp edges and consistent hole diameters makes it ideal for producing electronic components. This ensures that each connector fits perfectly within its intended electronic assembly, thereby maintaining optimal performance.



LOCTITE 3D 3843™

**New ESD Material:**

High-temperature resistant resin with electrostatic dissipating (ESD) capabilities and high stiffness.

LOCTITE 3D IND3380™

#### Functional Prototyping

The Lumia X1's combination of throughput, surface finish, accuracy, and resolution ensures that its produced parts are on par with injection-molded components.

Its capability to handle large parts (up to 499mm) with fine features and smooth surfaces is invaluable for prototyping and low-volume manufacturing. This enables manufacturers to swiftly transition from design to functional parts without compromising quality.



LOCTITE 3D 3843™



#### Are you attending the International Manufacturing Technology Show in Chicago?

Visit is at booth 433243, West Building Level 3, on September 9th-14th.

We'll be showcasing molds, low volume production and connectors, along with new additions to our Axtra Solutions™ portfolio, including new silicone materials and more.

[Request Free Pass](#) | [First 10 Requests](#)



**LUMIA X1**   **HPS TECHNOLOGY**   **MATERIALS**

**AXTRA3D**

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