

# January Newsletter

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RECENT NEWS

At Axtra3D, we specialize in high-performance 3D printing for both industrial, medical and dental applications.

But this month, dental takes center stage as we gear up for **Lab Day Chicago** and **IDS Cologne**.

Visit us to see how the Lumia X1D is transforming dental manufacturing with faster production, superior surface finish, and minimal post-processing—delivering high-precision models, splints, dentures, surgical guides, and more with unmatched efficiency.



## Dental Solutions at a Glance

### Dentures



**Benefits:**  
High break resistance, flexibility for partial dentures, accurate and repeatable printability.

**Materials:**  
**Pro3dure medical**  
printodent® GR 14.2 denture MSI

**NextDent®**  
Base

### Crown & Bridge



**Benefits:**  
Faster turnaround time, precise fit, increased patient comfort and lower cost.

**Materials:**  
**Pro3dure medical**  
printodent® GR-17.1

### Orthodontic Splints



**Benefits:**  
Reduced biofilm adhesion due to MSI technology, hard flexible, and highest wearing comfort due to thermo effect.

**Materials:**  
**Pro3dure medical**  
printodent® GR-19.1 OA | MSI

**Keystone Industries®**  
KeySplint Soft® Clear  
KeySplint Hard®

### Surgical Guides



**Benefits:**  
Autoclave sterilizable, high strength and stiffness, exceptional accuracy for perfect fit.

**Materials:**  
**Keystone Industries®**  
KeyGuide™

### Aligner Models



**Benefits:**  
Designed for high speed and accurate prints. Perfect for thermoforming aligners.

**Materials:**  
**Keystone Industries®**  
KeyModel Ultra (Light Grey, Ivory)

### Dental & Orthodontic Models



**Benefits:**  
Ultra-fast printing, integrated thermoforming quick-release agent, carve-able without chipping.

**Materials:**  
**Keystone Industries®**  
KeyModel Ultra (Light Grey, Ivory)

**NextDent®**  
Model (Sand)

## Why Choose the Lumia X1D for Dental Applications?

**Highest Precision and Accuracy**  
Every detail, no matter how intricate, is perfectly reproduced to meet even the most demanding requirements.

**Adaptation to Complex Geometries**  
Produce dental models, splints, surgical guides, and prosthetics with unmatched flexibility and precision.

**Biocompatible Materials**  
Formulated to ensure patient safety while meeting rigorous dental industry standards.

**Increased Production Capacity**  
Significantly enhance your throughput and process more orders faster.

**Cost-Effective Solutions**  
Whether small or large production runs, achieve cost-efficiency without compromising quality.

**Seamless Digital Workflow Integration**  
From planning to production, enjoy smooth integration into your existing processes (ready for exocad, 3Shape, Shera, etc).

**Flexible Business Model**  
Tailored financing and service packages to meet your unique requirements.

**Be the Owner of Your Own Printer**

"With the Lumia X1D, we are able to significantly improve the surface quality of the rails compared to our current technology. Overall, we can increase our daily output by almost 100 percent."

-Ralph Ziereis, CEO Teamziereis GmbH

"Thanks to the extremely fast HPS process, we were able to increase our 3D printing capacities many times over, offer our customers completely new materials and thus take our innovative manufacturing concept a further step forward."

-Marcus Klab, CEO Prinoa Dental

## Where To See Axtra3D's Dental Solutions

**Lab Day 2025** - Feb 20-22  
US | Chicago  
Booth F-24 East

**IDS 2025** - Mar 25-29  
Germany | Cologne  
Hall 10 Stand A060



## Resources

[Dental Brochure](#)

[Materials Brochure](#)



## The Axtra3D Advantage in Dental Manufacturing

**Faster Workflow and Higher Throughput**  
Achieve up to 60% more throughput compared to leading systems with our TruLayer Adaptive System and HPS technology.

**Reduced Manual Labor**  
Exceptional surface quality reduces the need for reworking, saving time and effort.

**Tailored Software for Dental Applications**  
Easy-to-use software designed for small labs and high-volume producers.

**Flexible Operation Modes**  
Choose on or offline mode, with predictive maintenance, real-time feedback, and dedicated application support.

**Reliable Material Partnerships**  
Access a wide range of certified materials with validated production processes, or leverage our characterizing service for your unique needs.

**Uncompromising Quality**  
Deliver high-quality dental products with precision, minimizing patient discomfort and maximizing satisfaction.



LUMIA X1

HPS TECHNOLOGY

MATERIALS