

January Newsletter

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RECENT NEWS

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

At Axtra3D, we specialize in high-performance 3D printing for both industrial,

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.



Crown & Bridge Dentures



partial dentures, accurate and repeatable printability. Materials: **Pro3dure medical** printodent® GR 14.2 denture MSI

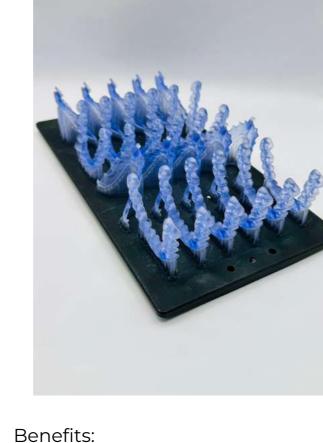
High break resistance, flexibility for

NextDent® Base

Benefits: Faster turnaround time, precise fit,

increased patient comfort and lower cost. Materials: **Pro3dure medical**

Orthodontic Splints



highest wearing comfort due to thermo effect. Materials: **Pro3dure medical** printodent® GR-19.1 OA | MSI

Reduced biofilm adhesion due to

MSI technology, hard flexible, and

Keystone Industries® KeySplint Soft® Clear

 $\text{KeySplint Hard} \\ \mathbb{B}$

printodent® GR-17.1

Surgical Guides



Materials: **Keystone Industries®** KeyGuide™

Dental & Orthodontic Models

Autoclave sterilizable, high strength

and stiffness, exceptional accuracy

for perfect fit.

Aligner Models



Keystone Industries® KeyModel Ultra (Light Grey, Ivory)

Applications?

most demanding requirements.

thermoforming aligners.

Materials:

thermoforming quick-release agent, carve-able without chipping. Materials:

KeyModel Ultra (Light Grey, Ivory)

Ultra-fast printing, integrated

Keystone Industries®

Benefits:

NextDent® Model (Sand)

Why Choose the Lumia X1D for Dental

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

Flexible Business Model

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

Tailored financing and service packages to meet your unique requirements.

Be the Owner of Your Own Printer

processes (ready for exocad, 3 Shape, Shera, etc).

"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."

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

Where To See Axtra3D's

-Marcus Klab, CEO Prinoa Dental

Dental Solutions

IDS 2025 - Mar 25-29

Germany | Cologne Hall 10 Stand A060

Resources

Dental Brochure

Materials Brochure



Manufacturing

Reduced Manual Labor

and effort.

producers.

Reliable Material Partnerships

The Axtra3D Advantage in Dental

Achieve up to 60% more throughput compared to leading systems with

Exceptional surface quality reduces the need for reworking, saving time

Easy-to-use software designed for small labs and high-volume

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

Faster Workflow and Higher Throughput

Tailored Software for Dental Applications

our TruLayer Adaptive System and HPS technology.

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

Access a wide range of certified materials with validated production

processes, or leverage our characterizing service for your unique needs.

