





Hybrid PhotoSynthesis™ (HPS) and TruLayer™

Eliminate all tradeoffs between throughput, accuracy, feature resolution and surface finish.

The Lumia X1 Hi-Speed SLA system is the answer to the challenges of dental 3D printing. It combines unrivaled precision with impressive production capacity without compromising on accuracy, detail resolution and surface quality.

The Hybrid PhotoSynthesis (HPS) process offers exceptional precision and accuracy in the production of dental models, splints, surgical guides, and prosthetics at very high throughputs.



3D PRINTER TECH-SPECS

Model: Hi-SPEED SLA Lumia X1.Dental **Design:** Industrial Grade / Production Ready

Separation Technology: TruLayer Adaptive Separation **Max Print Volume:** 9.8 x 5.5 x 19.6in - 249 x 140 x 499mm

XY Resolution: up to 50um

Z Axis Resolution: Double Z-Axis up to 5um step

Layer Thickness: from 25 to 200um and more, material dependent **Light Source:** HPS Simultaneous Laser and 4K DLP Imaging

Spot Size: 60um +/- 15%

Software: AxtraVolume Software (included) & Open System Available

Slicer: Proprietary HPS Slicer (included)

File Format: STL, 3DMF, AMF, CLI, OBJ, Polygon, ExoCAD, Slice & SLA

Materials: 405nm Resins

Regulatory Conformity: CE / FDA / RoHS Compliant - NRTL ready









AXTRA DENTAL ECOSYSTEM

Fully optimized, turnkey application solutions from key Dental Material Partners.

Axtra Solutions™ - DENTAL

The Advantages at a Glance

Cost-Effective for Small and Large Parts

Whether you need a small series of individual fabrications or a large production run, the Lumia X1 offers a cost-effective solution.

Biocompatible Materials

Our printing materials are specially formulated to meet the high standards of the dental industry and ensure the safety of your patients.

Increased Production Capacity

With significantly increased production capacity, you can process more orders faster and increase your efficiency.

Highest Precision and Accuracy

Every detail is perfectly reproduced to meet even the most demanding dental requirements.

Individual Adaption to Complex Geometries

The Lumia X1 enables the production of dental models, splints, surgical guides and prosthetics with unprecedented flexibility and precision.

Integration of the Digital Workflow

From digital planning to the finished product, the Lumia X1 offers seamless integration into your workflow to maximize efficiency.

Flexible Business Model

We offer flexible financing options and service packages to meet your individual requirements.

Additional Product Information 888-315-5103, or sales@axtra3d.com

