3D SYSTEMS

SLA 750 for Dental

Scalable, High-speed 3D Printing for Dental Labs

Delivers high precision aligner thermoform tooling at an industrial scale. Whether producing 200 or 200,000 models per day, 3D Systems' SLA technology ensures **zero compromise** on quality, yield, or scalability.

Printer	SLA 750 Dual	SLA 750
Parts per build	~200 models	~200 models
Print time	~3 hrs 45 min	~5 hrs 10 min

Why Choose SLA 750 for Dental?

Production at Scale
Support mass-production scaling with industry leading downstream post-processing automation compatibility

Maximum Yield
Ultra-high statistical yield and optimized material efficiency for low waste support scaling with confidence

Ultra-high Accuracy
Industrial-grade consistency and repeatability with a non-contact process for no peeling, warping, or distortion, and closed-loop laser control for dimensional precision

Streamlined Digital Workflow
Powered by 3D Sprint® and TruShell™, enabling optimized part prep, build monitoring, and remote support

3D Sprint® TruShell™

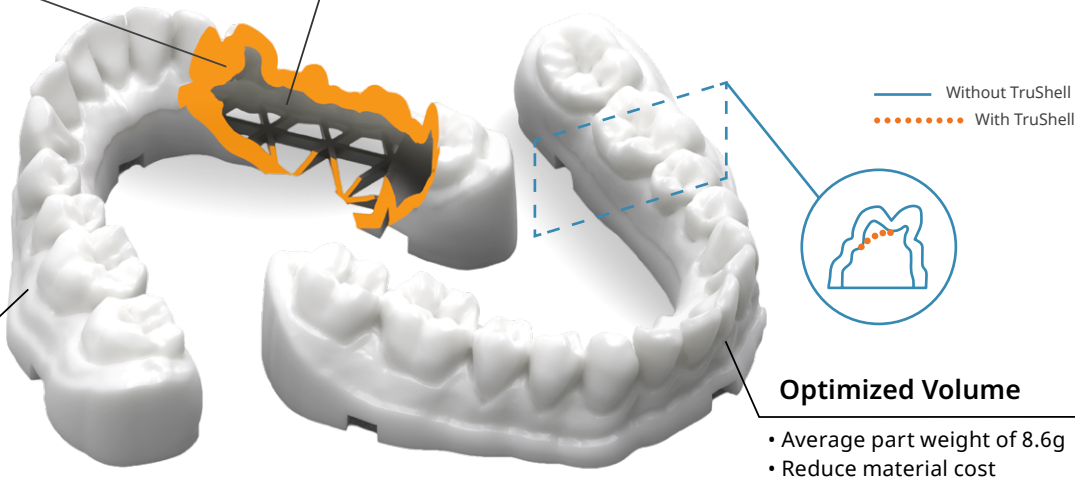
Single-click optimization of orthodontic dental models

Developed specifically for **orthodontic thermoforming workflows**

- Automatically generates **shell geometries** tailored to material performance
- Eliminates the need for manual optimization or in-house custom scripting
- Reduces variability and improves fit — **every print, every time**

Scaffold
- Optimized single vector triangulated grid
- Resists deformation during thermoforming
- Captures part ID information on down facing surface

Self-supporting Uniform Shell
- Definable wall thickness
- Gusset feature ensures self-supporting internal structure



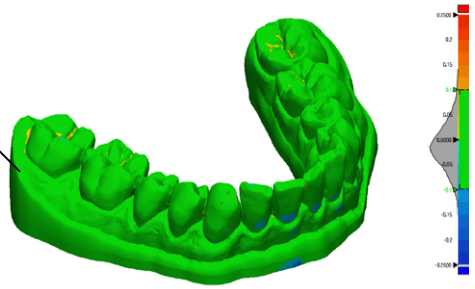
High Efficiency
- Optimized single-click workflow
- Shelling, scaffold and support generation

Optimized Volume
- Average part weight of 8.6g
- Reduce material cost

	SOLID ARCH	vs	TRUSHELL	COMPARISON*
Weight (Average):	14.3 g		8.6 g	40% Reduction

*Based on 2mm wall thickness of hollowed model with integrated scaffolding. Results vary based on geometries and specifications.

High Precision
- +90% Accuracy ±100 µm*



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