

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
Parts per build	~200 models
Print time	~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

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

Maximum Yield

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

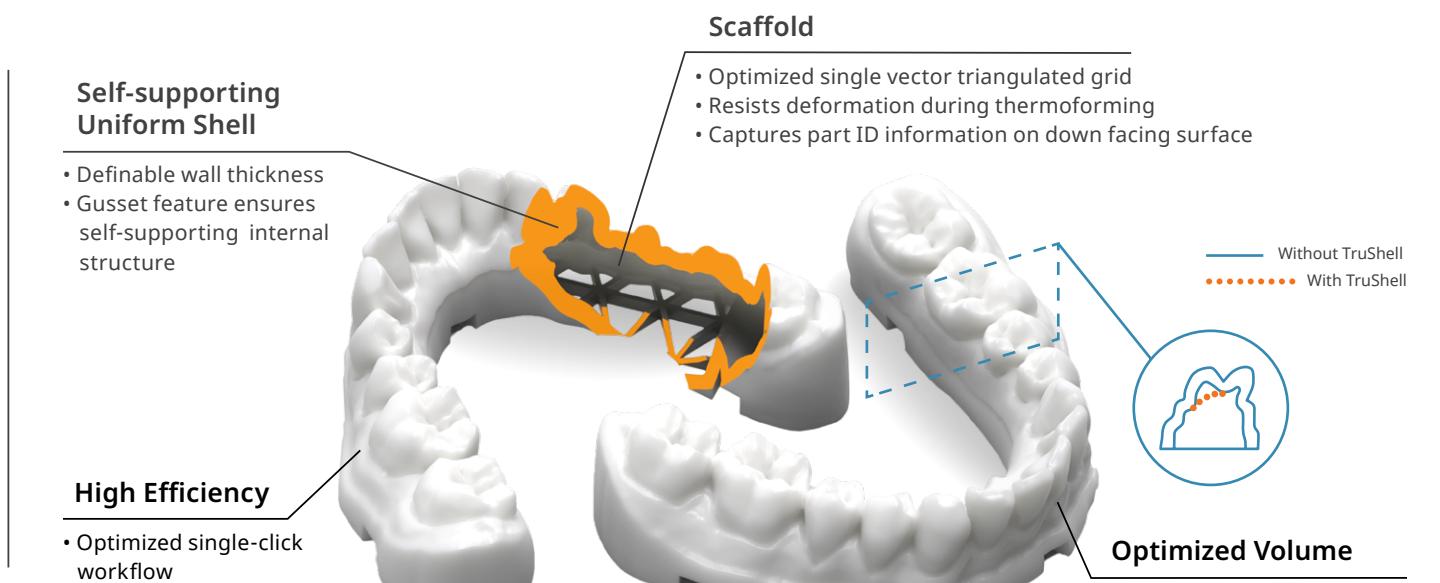
Streamlined Digital Workflow

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

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**



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.

