

# Origin One™ Dental

When production counts.



When production counts, Origin® One Dental empowers you to scale your business enabling **high volume production** across multiple dental applications using a variety of **high-performance materials**.

With **user-friendly software** that is simple to manage and learn, Origin One Dental streamlines your digital workflow and **maximizes throughput**.

**Quick print times** help expand production without delays, so you can respond flexibly to shifts in demand and achieve industry-leading returns on your investment in 3D printing.

Origin One Dental is powered by leading-edge Programmable PhotoPolymerization (P3™) technology, which achieves unrivaled **accuracy, consistency, and detail**.

When production counts, count on Origin One Dental. Print best-in-class **models, splints, surgical guides and other dental parts** faster, at lower cost and with greater accuracy.

## General

Technology	Programmable PhotoPolymerization P3™
Materials	Materials from Stratasys ecosystem material partners. Refer to Stratasys website for an up-to-date selection.
Build Envelope (XYZ)	192 x 108 x 370 mm / 7,672 cm <sup>3</sup> (7.5 x 4.25 x 14.5 in. / 462 in <sup>3</sup> )
Resolution	4K light engine
Process	Energy UV (385nm) and thermal
Software	GrabCAD Print
Regulatory Compliance	CE, FCC, KC, RCM

## Facility Requirements

Power Requirements	100-240 VAC, 50–60 HZ, 7.1 A, 1Ph or 200-240 VAC, 50–60 HZ, 3.5 A, 1Ph
Network Connectivity	Ethernet
Ventilation	Refer to photopolymer material SDS or contact Stratasys rep for guidelines.
Operating Conditions	Operating temperature 15°C to 30°C (59°F to 86°F) Operating Humidity 30% to 70%
Gas Input (optional)	Facility air or inert gases
Gas Exhaust (optional)	Facility exhaust

## Material Handling

Resin Tray Capacity	2L
Resin Storage Temp	Typically 15°C to 30°C (59°F to 86°F)

## Security Features

Printer Authentication	Cryptographically-secure handshake
Network Security	Industry-standard end-to-end encryption

# Available applications and compatible resins



## Crown & Bridge Quadrant

Biocompatible Origin DM200™  
by Stratasys

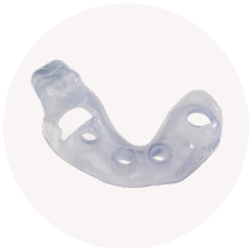
Print up to 12 parts in 60 mins



## Ortho Models 100µm

Biocompatible Origin DM200™  
by Stratasys

Print up to 6 parts in 35 mins



## Surgical Guides

KeyGuide® by Keystone Industries

Print up to 14 parts in 1 hr, 32 mins

Biocompatible Origin DM200™  
by Stratasys

Print up to 14 parts in 60 mins



## Hard Splint

KeySplint Hard®/Clear  
by Keystone Industries

Print up to 9 parts in 2 hrs at 45°  
and 24 parts in 2 hrs, 40 mins at 90°



## Soft Splint

KeySplint Soft Clear®  
by Keystone Industries

Print up to 11 parts in 2 hrs, 39 mins at 45°  
and 22 parts in 3 hrs, 14 mins at 90°



## Indirect Bonding Tray

KeyOrtho IBT®  
by Keystone Industries

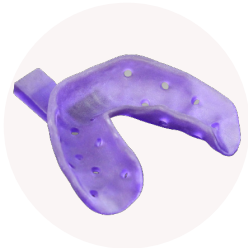
Print up to 22 parts in 29 mins



## Removable Partial Denture (RPD) Cast

KeyCast® by Keystone Industries

Print up to 8 parts in 37 mins



## Custom Tray

KeyTray® by Keystone Industries

Print up to 5 parts in 2 hrs, 37 mins

Biocompatible Origin DM200™  
by Stratasys

Print up to 5 parts in 2 hrs, 36 mins



## Denture Try-In

Key Try-In® by Keystone Industries

Print up to 8 parts in 3 hrs, 16 mins

Biocompatible Origin DM200™  
by Stratasys

Print up to 8 parts in 1 hr, 49 mins



## Denture Base

FotoDent® denture 385 nm by Dreve

Print up to 11 parts in 2 hrs



## Gingiva Mask

KeyMask® by Keystone Industries

Print up to 48 parts in 35 mins