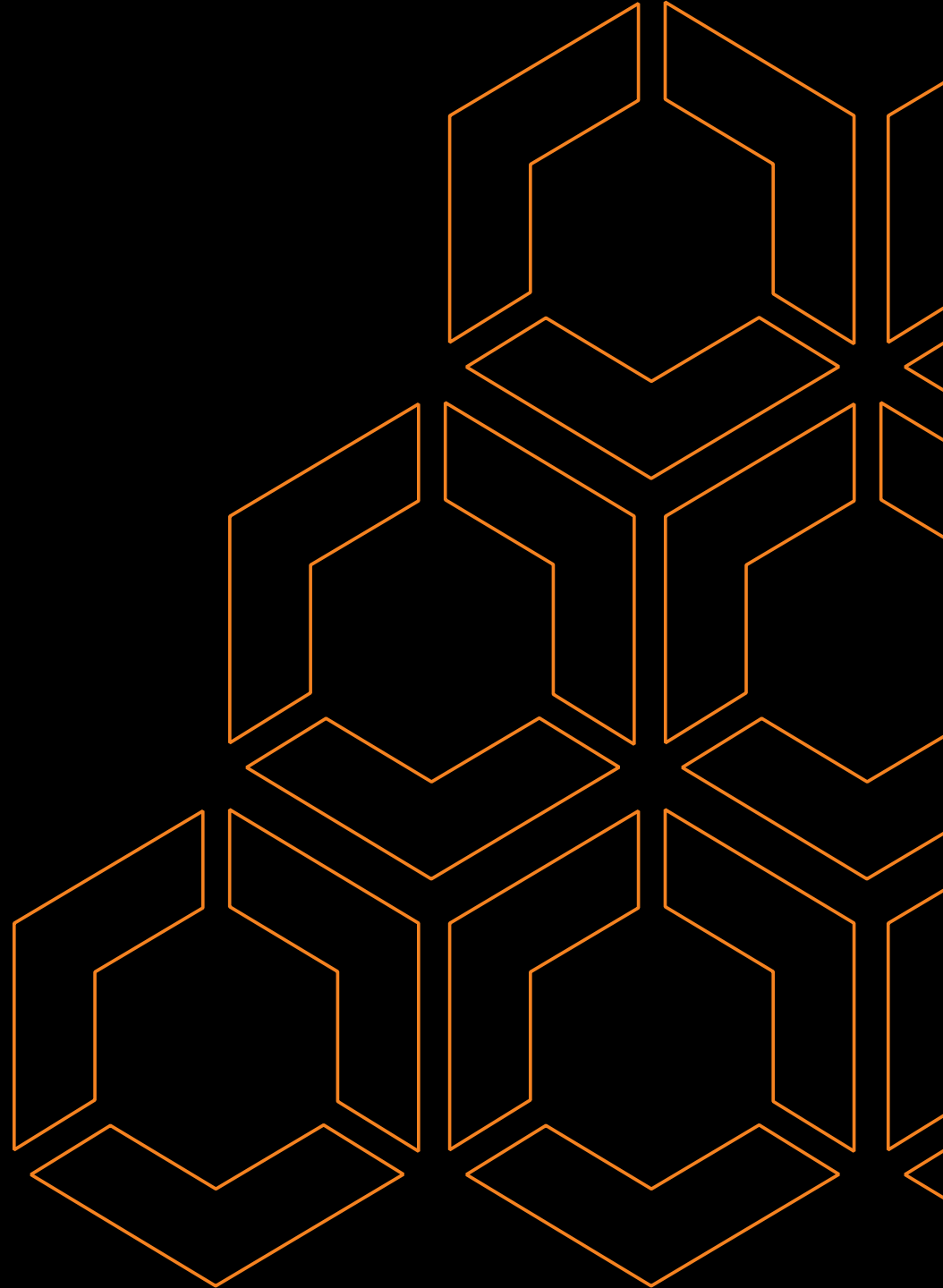







STRUCTO PRINT PROCESS



Structo 3D | Print Process

Cost Efficient Process 
 Speed Efficient Process 
 Accuracy Efficient Process 

PRINTING

CONFIGURATIONS

CLEANING

CURING



DentaForm

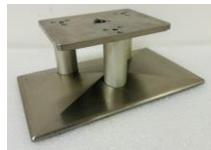


420 Array LS 
 405 Single Point LS 

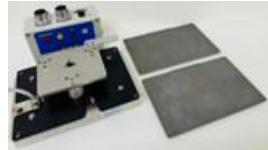
ST-01 (On-Going Development)



Standard Platform



EZ Release Magnetic Platform



0.8mm EZ Release Sheet – Aligner
 2.0mm EZ Release Sheet – Study Model

TFA



LFA



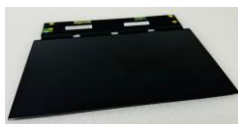
MSLA

Acrylic Datum
 *DF Only



MSLA

Glass Datum
 *ST-01 Only



Ultrasonic Washer



G-01



- Only Applicable for EZ Release Sheets
- G-02 On-Going Development

Manual UV Cure



Semi Auto UV Cure





ENABLING MASS CUSTOMIZATION AT SCALE

Singapore


60 MacPherson Road, Block 1 #04-08, 348615 Singapore

United States

28170 Avenue Crocker Unit 206, Valencia CA 91355, USA

www.structo3d.com

Structo 3D | Cost Efficient Process

Cost Efficient Process 
Speed Efficient Process 
Accuracy Efficient Process 

PRINTING

CONFIGURATIONS

CLEANING

CURING

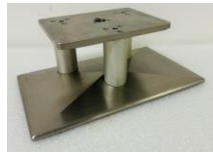


DentaForm



420 Array LS 
405 Single Point LS 

Standard Platform



TFA



MSLA
Acrylic Datum
*DF Only




Ultrasonic Washer



Manual UV Cure



Structo 3D | Speed Efficient Process

Cost Efficient Process 
Speed Efficient Process 
Accuracy Efficient Process 

PRINTING

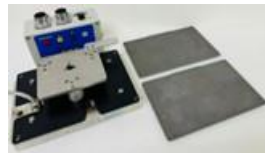
CONFIGURATIONS

CLEANING

CURING



**EZ Release
Magnetic Platform**



0.8mm EZ Release Sheet – Aligner
2.0mm EZ Release Sheet – Study Model

LFA



MSLA
Glass Datum
* ST-01 Only



G-01



- Only Applicable for EZ Release Sheets
- G-02 On-Going Development




Semi Auto UV Cure



ST-01 (On-Going Development)



Structo 3D | Accuracy Efficient Process

Cost Efficient Process 
Speed Efficient Process 
Accuracy Efficient Process 

PRINTING

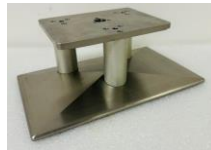
CONFIGURATIONS

CLEANING

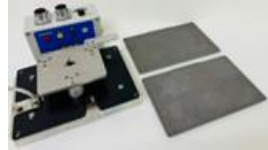
CURING



Standard Platform



EZ Release Magnetic Platform

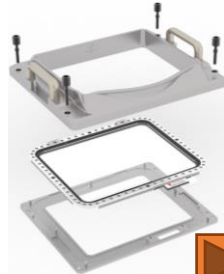


0.8mm EZ Release Sheet – Aligner
2.0mm EZ Release Sheet – Study Model

TFA



LFA



MSLA
Glass Datum
* ST-01 Only



Ultrasonic Washer



Manual UV Cure



Semi Auto UV Cure



ST-01 (On-Going Development)



DentaForm | High Throughput MSLA 3D Printer – Array LS

Powered by Structo's proprietary MSLA technology, DentaForm brings superior productivity, reliability, and accuracy at an affordable price.



FEATURES

MSLA 2.0

420nm LIGHTSOURCE

TABLE-TOP DESIGN

ALL APPLICATIONS

BENEFITS

HIGH THROUGHPUT

EXPANDED APPLICATIONS

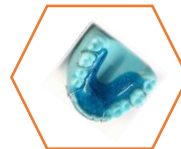
SPACE EFFICIENCY

DENTAL, INDUSTRIAL



Model X Rev.B
18-24 Models / Hr
Print Time : 20.34 minutes
@ 150 Layers, 100 micron per layer

Aligner Models



Low-Adhesion
Study Models

S&P



Surgical Guides

Structo Surgical Guide



Model X Rev.B
18-24 Models / Hr
Print Time : 20.34 minutes
@ 150 Layers, 100 micron per layer

Study Models



Optical Digital Indirect Bonding

IDB



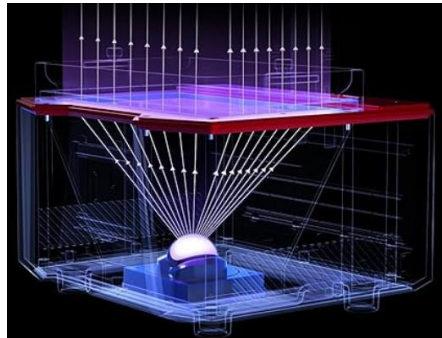
Impression Trays

Structo Tray Material



DentaForm | High Throughput MSLA 3D Printer – Single Point LS

Powered by Structo's proprietary MSLA technology, DentaForm brings superior productivity, reliability, and accuracy at an affordable price.



Representation Only

FEATURES

MSLA 2.0

405nm LIGHTSOURCE

TABLE-TOP DESIGN

ALL APPLICATIONS

BENEFITS

HIGH THROUGHPUT

EXPANDED APPLICATIONS

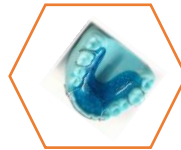
SPACE EFFICIENCY

DENTAL, INDUSTRIAL



Aligner Models

Model X+
25-33 Models / Hr
Print Time : 14.51 minutes
@ 150 Layers, 125 micron per layer



Low-Adhesion
Study Models

S&P
16-21 Models / Hr
Print Time : 22.5 minutes
@ 150 Layers, 125 micron per layer



Surgical Guides

Structo Surgical Guide



Study Models

Model X+
25-33 Models / Hr
Print Time : 14.51 minutes
@ 150 Layers, 125 micron per layer



Optical Digital Indirect Bonding

IDB
21-27 Models / Hr
Print Time : 17.5 minutes
@ 150 Layers, 125 micron per layer



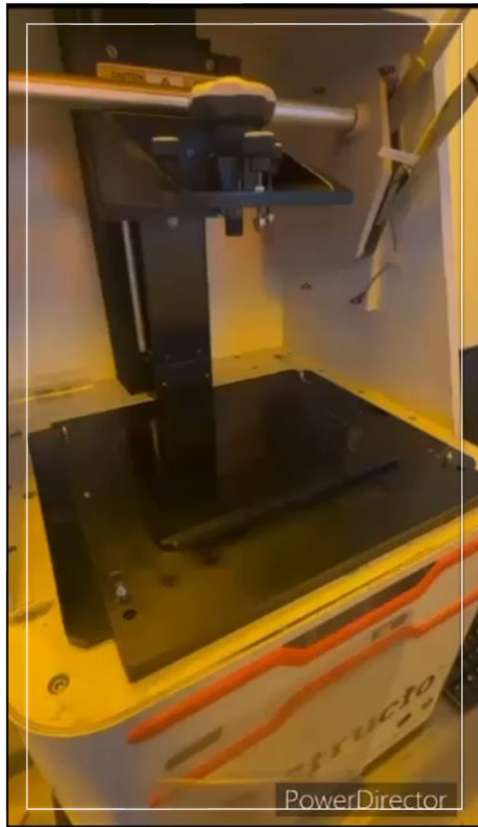
Impression Trays

Structo Tray Material

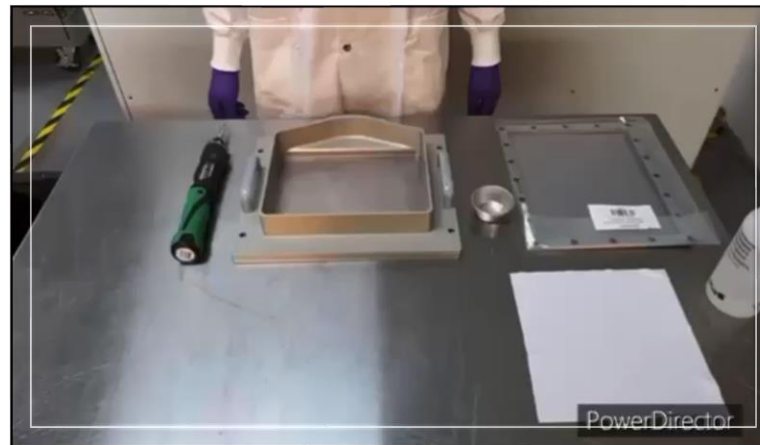


Resin Tank | Standard Resin Tank

Structo resin tank with capacity of 2kg resin, using Teflon Film Assembly (TFA)



TFA Replacement Process



FEATURES

3.0 MIL TEFLON FILM

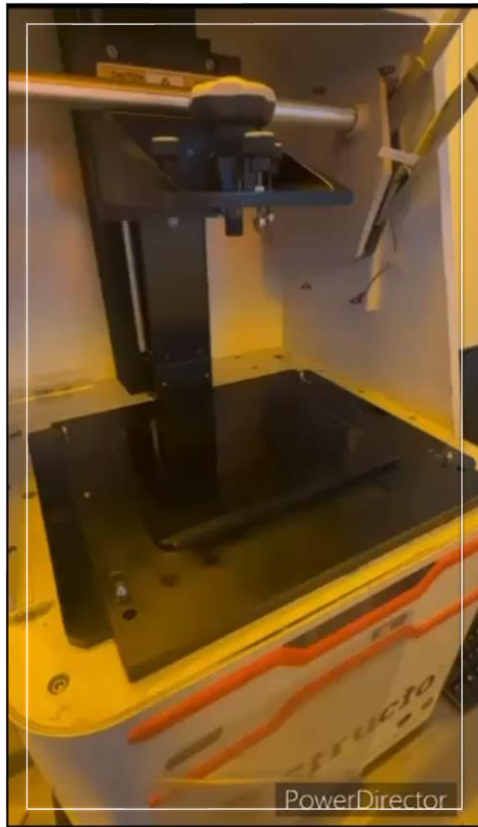
EASY REPLACEMENT

EASY TO CLEAN



Resin Tank | Cost Reduction Tank

Structo resin tank with capacity of 2kg resin, using Loose Film Assembly (LFA)



LFA Replacement Process



FEATURES

5.0 MIL TEFLON FILM

EASY REPLACEMENT

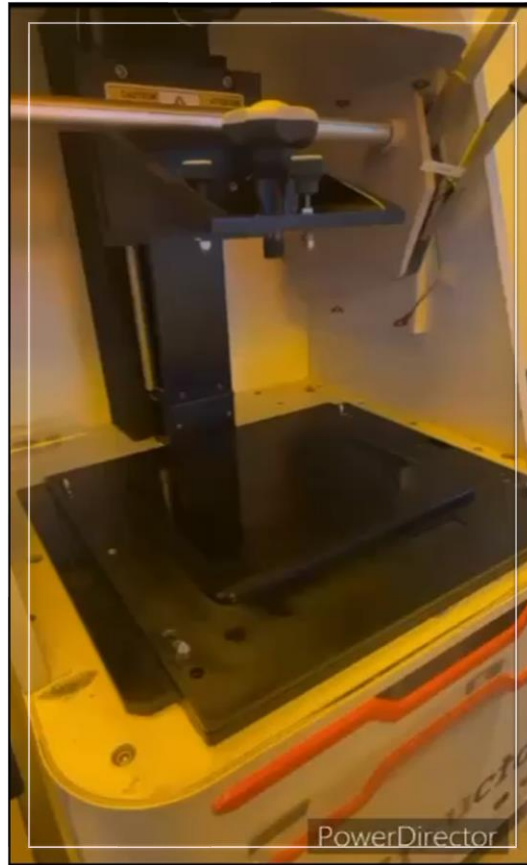
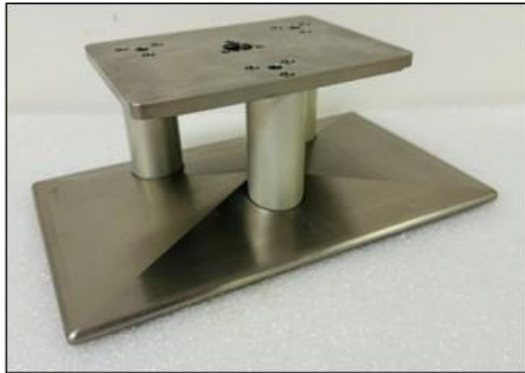
EASY TO CLEAN

PUNCTURE RESISTANT



Standard Platform

Standard Platform – Standard Build Plate for any application.



FEATURES

ROBUST PLATFORM

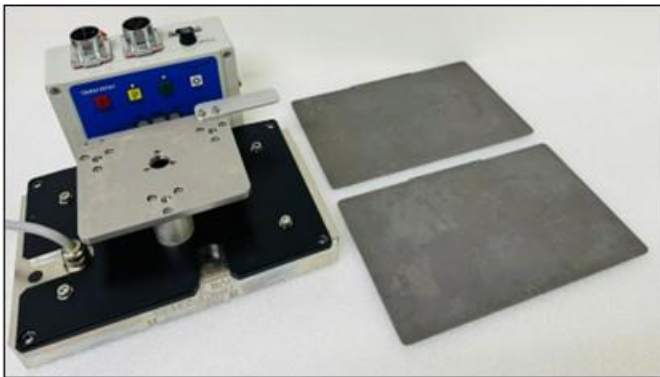
EASY TO INSTALL

EASY REMOVAL OF MODELS



EZ Release | Magnetic Platform

Easy removal of EZ Release Sheets from Magnetic Platform. Applicable for Wash and Spinning Process.



FEATURES

**TWO TYPE OF SHEETS
0.8MM AND 2.0MM**

EASY REMOVAL OF SHEETS

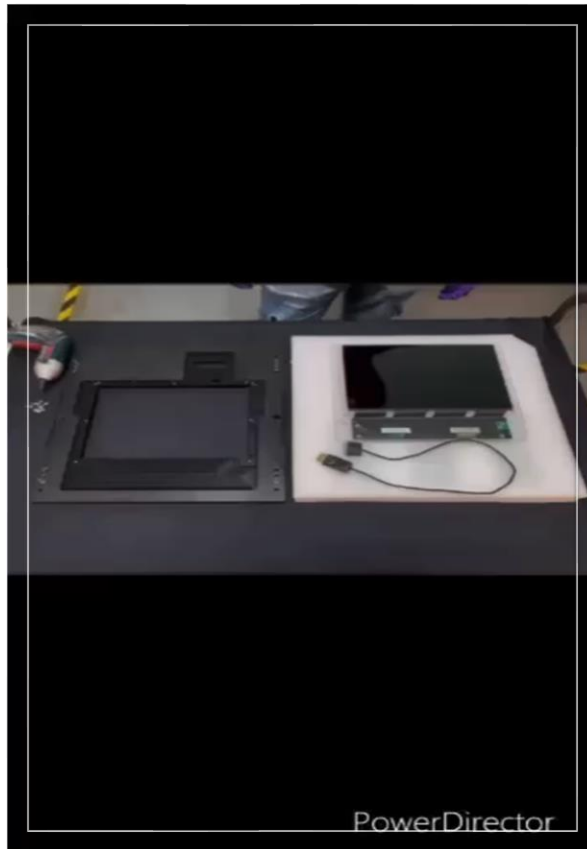
EASY REMOVAL OF MODELS



MSLA | Acrylic Datum

MSLA (Masked Stereolithography) = Speed and Accuracy

By using an array of **ultraviolet LED's**, coupled with a **digital photomask**, we selectively cure liquid polymer resin at ultra high speed, with excellent accuracy.



FEATURES

EASY REPLACEMENT

ROBUST LCD

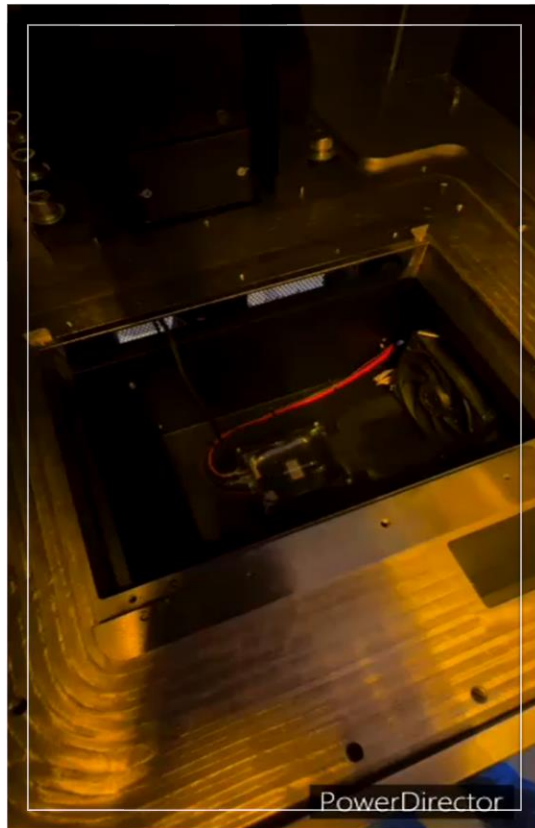
100 PRINTS



MSLA | Glass Datum

MSLA (Masked Stereolithography) = Speed and Accuracy

By using an array of **ultraviolet LED's**, coupled with a **digital photomask**, we selectively cure liquid polymer resin at ultra high speed, with excellent accuracy.



FEATURES

EASY REPLACEMENT

ROBUST LCD

300 PRINTS

SHARPER IMAGE



Ultrasonic Washer | Solvent post-processing

Remove all resin residue, thorough cleaning and gentle on parts, consistent results.



CLEANING CAPACITY



36 Models / 3600
secs

FEATURES

DIGITAL DISPLAY

HIGH POWER TRANSDUCER

TIME SETTING

BENEFITS

TCO REDUCTION

IMPROVED END PRODUCT

PROCESS CONTROL



G-01 | Solventless post-processing

Recover excess resin, remove all solvents, reduce costs and improve part quality. Also makes the process environmentally friendly.



CLEANING CAPACITY



12 Models / 180 secs



2 EZ Release Sheets



FEATURES

NO SOLVENTS

ZERO CHEMICAL WASTE

RESIN RECOVERY SYSTEM

SUPERIOR SURFACE FINISH

BENEFITS

FREEDOM TO OPERATE IN EUROPE

ENVIRONMENTALLY FRIENDLY

TCO REDUCTION

IMPROVED END PRODUCT

PROCESS CONTROL



Form Cure | Post-curing process

Improves parts strength and performance, maximizes material properties for stereolithography prints.



CURING CAPACITY



6 Models / 300 secs

FEATURES

ADVANCED HEATING

UNIFORM EXPOSURE

RAPID, HIGH INTENSITY
CURING

BENEFITS

USER FRIENDLY

COMPACT

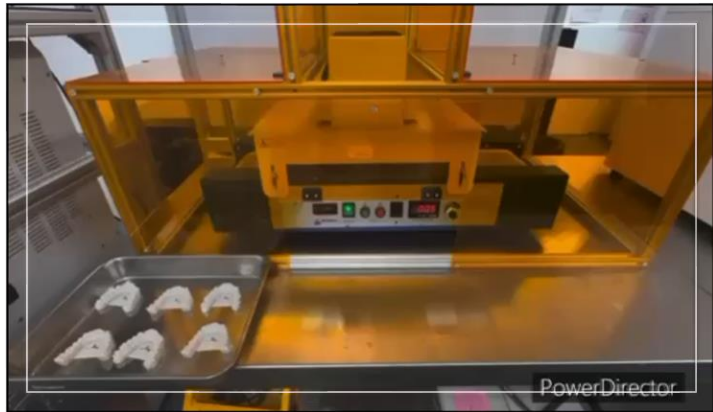
PROCESS CONTROL

EXPANDED APPLICATIONS



Form Cure | Post-curing process

Improves parts strength and performance, maximizes material properties for stereolithography prints.



CURING CAPACITY



14 Models / 60 secs

FEATURES

ADVANCED HEATING

UNIFORM EXPOSURE

RAPID, HIGH INTENSITY
CURING

ADJUSTABLE BELT HEIGHT
AND SPEED

BENEFITS

USER FRIENDLY

COMPACT

PROCESS CONTROL

EXPANDED APPLICATIONS



ST-01 | Next gen printing at an affordable price

Powered by Structo's proprietary MSLA 2.0 technology, ST-01 brings superior productivity, reliability, and accuracy and an expanded range of application



FEATURES

MSLA 2.0

405nm LIGHTSOURCE

FLOOR-STANDING DESIGN

ALL APPLICATIONS

BENEFITS

INCREASED RELIABILITY & ACCURACY

EXPANDED APPLICATIONS

INCREASED PRODUCTIVITY

DENTAL, INDUSTRIAL



MODEL X+ PRINTING CAPACITY

36-48 Models / Hour
150 Layers, 125 micron per layer
10.5 mins Print Time



S&P PRINTING CAPACITY

10-14 Models / Hour
150 Layers, 100 micron per layer
36 mins Print Time



IDB PRINTING CAPACITY

12-18 Models / Hour
150 Layers, 100 micron per layer
30 mins Print Time

