

ASIGA[®]

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www.asiga.com

3D Printers for
Digital Dental Production.



Being the creators of the precision desktop 3D printer market, we continue to offer precision, surface finish and product innovations designed to outperform any other.



"Asiga's high quality and reliability make it a great option for the lab."
Christopher Kirkland, R&D Technical Analyst, Glidewell Laboratories



"After extensive internal testing of a variety of 3D printing systems, the ASIGA MAX UV is clearly one of the best desktop 3D printer in terms of print quality and consistency for the tested dental indications."
Alex Pilet, Head of Advanced Technologies, Nobel Biocare

OUR KEY FEATURES
What makes us different



Our key features.
The innovations that make us different.



Wifi Enabled
connect wirelessly

High Impact Hood
UV blocking with excellent clarity

Single Point Calibration
calibrate in under 30 seconds

Auto Power-Off
energy saving mode

Quick Release
fast material change-over

Composer Software
intuitive user interface included

Open Material System
use any suitable 3rd party material

Environmental Control
reliable performance with every print

SPS Technology
active layer control for consistent output

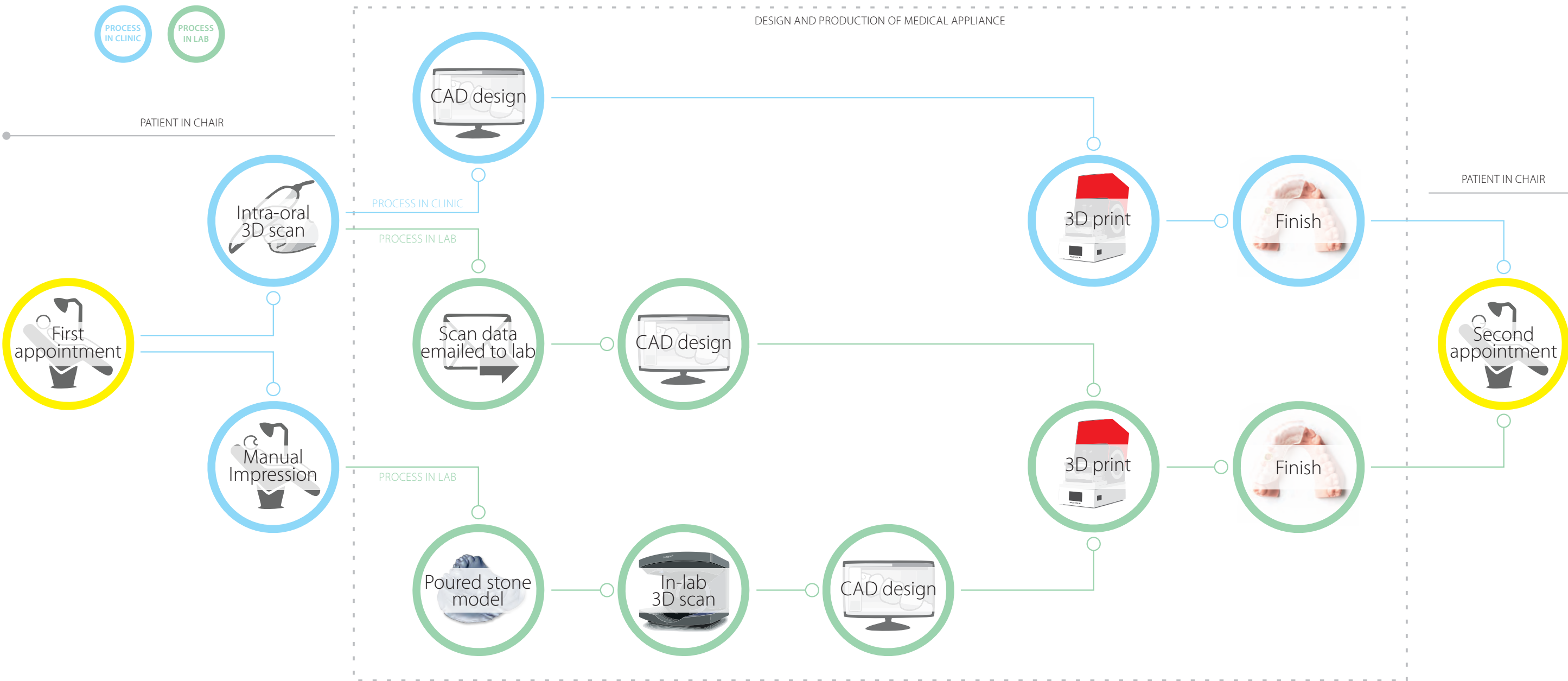
Lifetime Technical Support
free and unlimited

Touch Screen Display
for greater user convenience

High Power UV LED 385nm
for long term reliability and
for printing water-clear materials

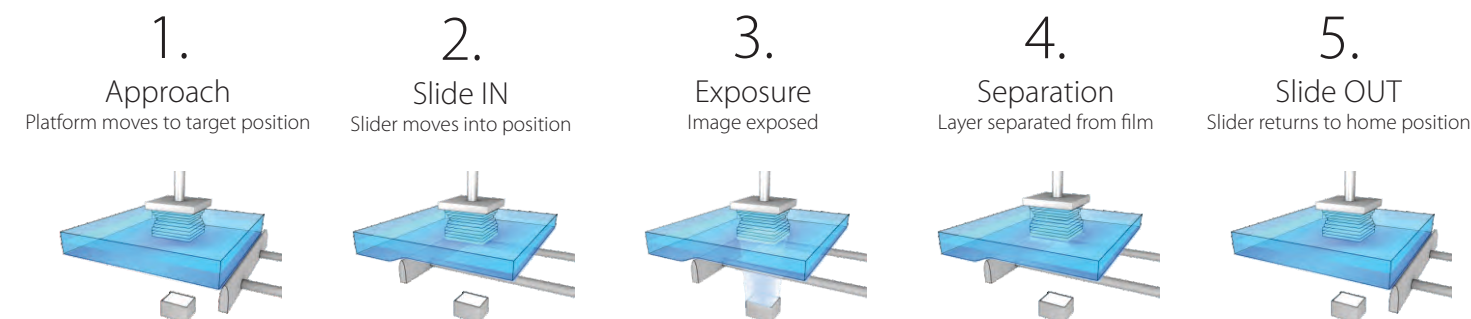
Internal Radiometer
automatic LED power calibration

A simple, effective and streamlined digital workflow.



Our Slide And Separate (SAS) Technology.

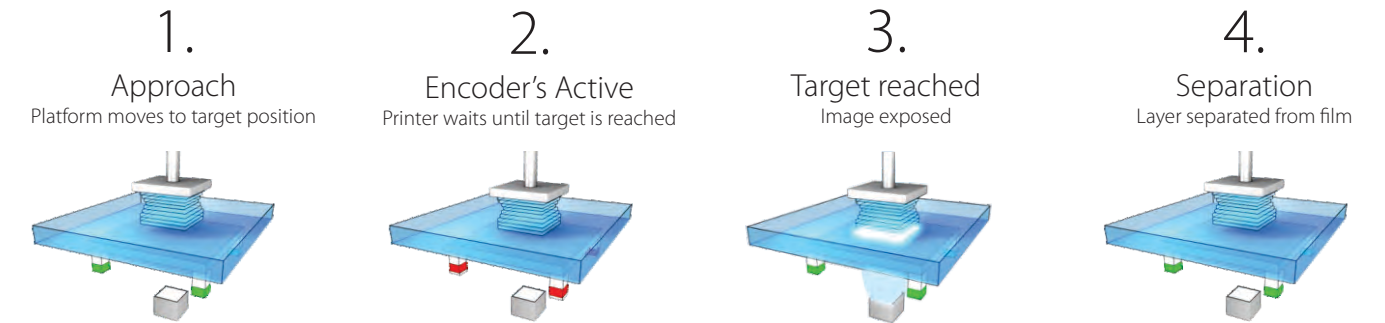
From the very beginning Asiga 3D printers have been built on our SAS technology which not only offers controlled layer formation but it also accommodates high viscosity materials.



Print in SAS or Smart Slide mode to optimize your output in production.

Our Smart Positioning System (SPS) Technology.

All MAX systems incorporate Asiga's proven SPS Technology sensor array that guarantees every model layer is formed precisely in minimal time.



The result is precision, speed and reliability that your business can depend on.

MAX Mini UV

Accurate, reliable, affordable.

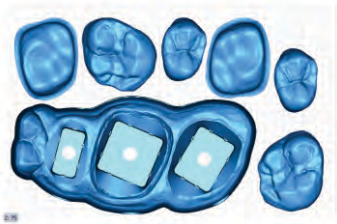
MAXMini UV delivers Asiga's latest SPS technology in an economical format ideal for the production of crown & bridge casting patterns.

Capable of printing small items including crowns, copings and veneers. The MAXMini can also be used as a dedicated printer for producing smaller volume items such as gingiva components.



Printer Performance

Print capacity	up to 12 Crowns (size dependant)
Print speed - 50µm layers	1 hr
Print cost (USD)	\$0.50 - \$2 per piece (weight/material dependant)

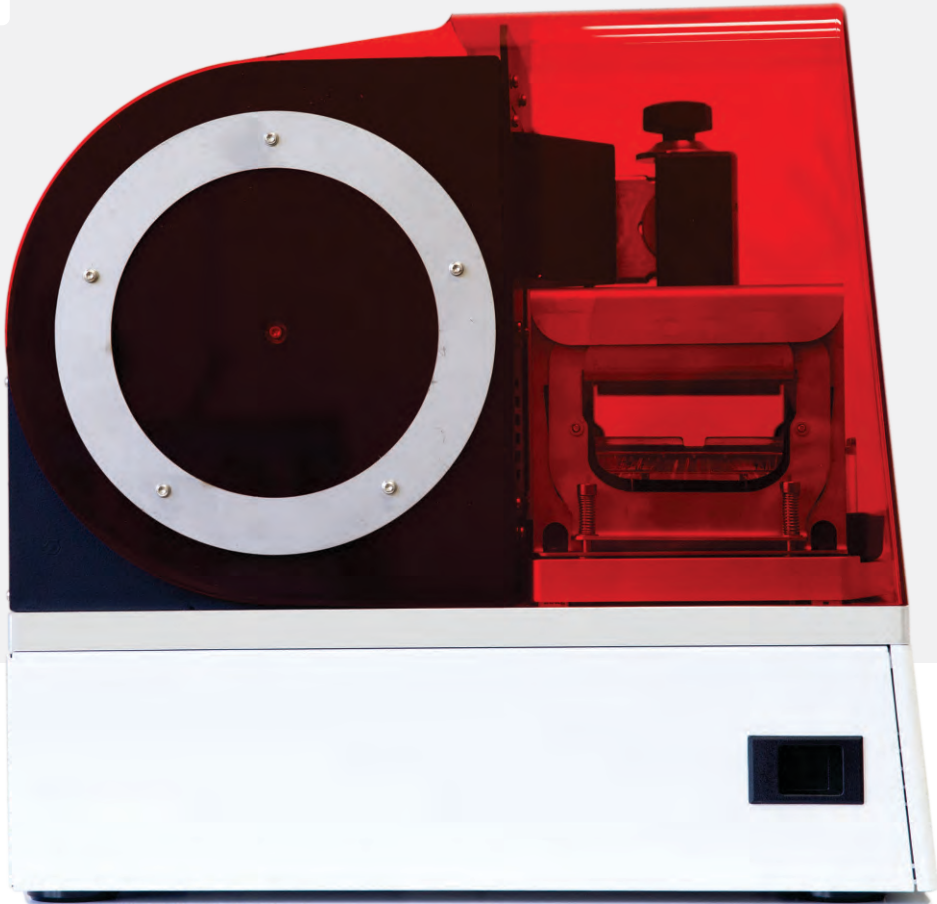


Printer Specification

Build size X,Y,Z	51.2 x 32 x 76mm* (2 x 1.26 x 3 inches)
Pixel size X,Y	39µm
Z resolution	Variable in 1µm increments
Light source	High-power UV 385nm LED
Material system	Open material system
File inputs	STL, SLC, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Dental Laboratory, Dental Clinic
System size	260 x 380 x 370mm (10.2 x 15 x 14.5 inches)
System weight	16.5Kg (packaged 19Kg)
Packaged size/weight	410 x 500 x 480mm (18.1 x 22 x 19.7 inches)
Power	12VDC 10A

* build envelope size may vary

MAX UV



Minimum footprint, maximum productivity.

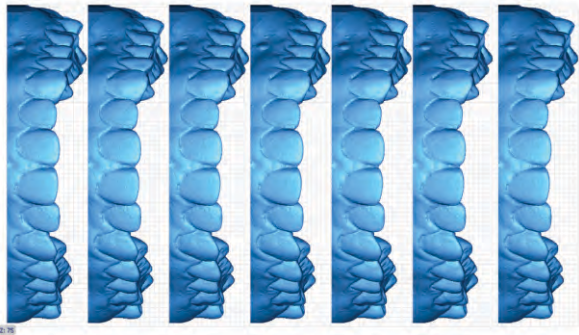
The Asiga MAX™ is the world's most advanced digital dental 3D printer offering exceptional productivity in a small footprint. With 62µm HD print precision, the Asiga MAX™ is optimized for orthodontics, crown & bridge, surgical guides, dental models, custom trays, and partial dentures in lab and clinical environments.

All Asiga printers are open to materials from any supplier for maximum flexibility and economy.



Printer Performance

Print capacity	7-8 dental models (size dependant)
Print speed - 100µm layers	1.5 - 2 hrs
Print cost (USD)	\$1.85 - \$4 per piece (weight/material dependant)



Printer Specification

Build size X,Y,Z	119 x 67 x 76mm* (4.68 x 2.63 x 3 inches)
Pixel size X,Y	62µm
Z resolution	Variable in 1µm increments
Light source	High-power UV 385nm LED
Material system	Open material system
File inputs	STL, SLI, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Dental Laboratory, Dental Clinic
System size	260 x 380 x 370mm (10.2 x 15 x 14.5 inches)
System weight	16.5Kg (packaged 19Kg)
Packaged size/weight	410 x 500 x 480mm (18.1 x 22 x 19.7 inches)
Power	12VDC 10A

* build envelope size may vary



PRO2

Large format digital production.

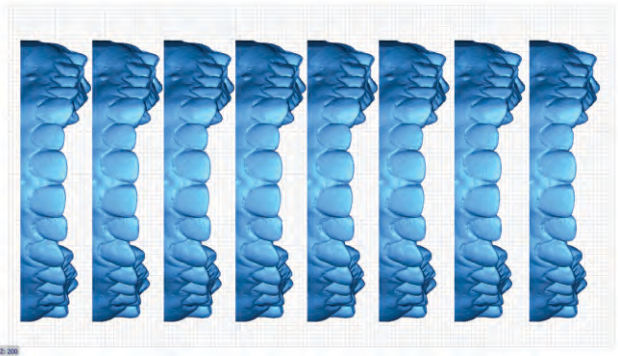
The Freeform PRO2™ is a production ready 3D printer for direct manufacturing of dental models, partial frameworks, surgical guides and crown & bridge casting patterns. All PRO2™ systems are reconfigurable to 50µm, 62µm and 75µm pixel sizes, giving maximum flexibility to your laboratory.

Utilizing our proven Slide-And-Separate™ (SAS) technology for precise layer formation, build speed and repeatability.



Printer Performance

Print capacity	8-10 dental models (size dependant)
Print speed - 100µm layers	2 hrs
Print cost (USD)	\$1.85 - \$4 per piece (weight/material dependant)



Printer Specification

PRO2 50 UV Build size X,Y,Z	96 x 54 x 200mm* (3.7 x 2.1 x 7.87 inches)
PRO2 62 UV Build size X,Y,Z	119 x 67 x 200mm* (4.68 x 2.6 x 7.87 inches)
PRO2 75 UV Build size X,Y,Z	144 x 81 x 200mm* (5.66 x 3.1 x 7.87 inches)
Z resolution	Variable in 1µm increments
Light source	High-power UV 385nm LED
Material system	Open material system
File inputs	STL, SLI, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Dental Laboratory
System size	450 x 490 x 800mm (18 x 19 x 31.5 inches)
System weight	40kg (packaged 55Kg)
Packaged size/weight	1020 x 570 x 850mm (40 x 22 x 33.4 inches)
Power	12VDC 10A

* build envelope size may vary



DentaMODEL



Printer compatibility: 385nm (UV) and 405nm.
Available in 500mL and 1L bottles



Available in both 500ml & 1l bottle sizes

High precision dental model material.

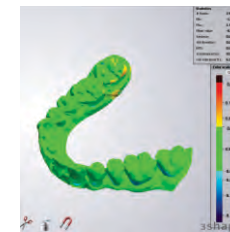
DentaMODEL is designed for the digital production of dental models with high accuracy and visual properties matching that of traditional dental stone. DentaMODEL produces crisp and precise dental models for all applications at high print speeds on both 385nm and 405nm printers.

Applications:

- Crown and bridge dental models
- Removable die dental models
- Fast print speeds also make it suitable for orthodontic thermo-forming

Printer compatibility: 385nm (UV) and 405nm.

3D scans of full-arch dental models printed in DentaMODEL demonstrate over 93% of data points are within 50 microns of the original CAD file with a standard deviation of 31 microns.



Reliable accuracy for quality assurance and patient safety.



PlasGRAY



Orthodontic model material.

Performance dental model resin with excellent surface clarity and temperature resistance for the production of vacuum form aligners, mouth guards and other appliances.

Also exhibiting precision and accuracy for restorative models. Layer thickness range from 10 microns.

Applications:

- Orthodontic models for thermo-forming
- Vacuum form patterns for clear aligners, mouthguards etc.
- Removable die dental models, crown and bridge dental models

Printer compatibility: 385nm (UV) and 405nm.

"I believe Asiga has opened a door for many smaller specialized dental laboratories."
David Rodwell, Rodwell Orthodontic Laboratory



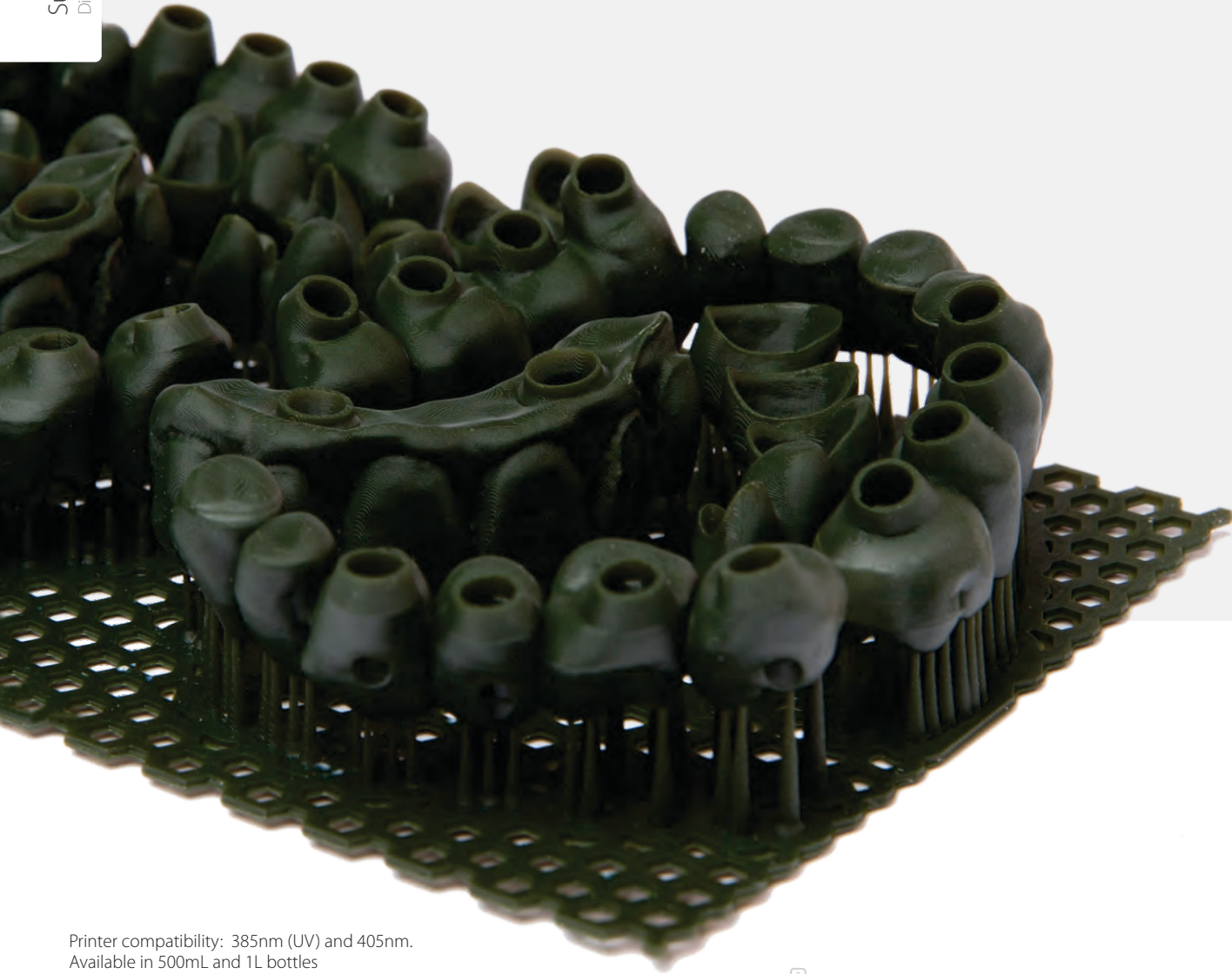
Printer compatibility: 385nm (UV) and 405nm.
Available in 500mL and 1L bottles



Available in both 500ml & 1l bottle sizes



SuperCAST HD



Direct casting resin for C&B and partial frameworks.

Precise, smooth and durable. SuperCAST HD is the ultimate direct casting material for partial frameworks and crown and bridge restorations.

Layer thickness range from 10 microns.

Applications:

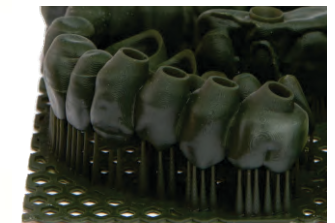
- Partial frameworks
- Crown and bridge restorations

Printer compatibility: 385nm (UV) and 405nm.

Printer compatibility: 385nm (UV) and 405nm.
Available in 500mL and 1L bottles



Available in both 500ml & 1l bottle sizes





SuperCAST v3



Direct casting precision.

SuperCAST v3 is Asiga's highest definition direct-casting material for the production of accurate crown and bridge, partial frameworks and inlays/onlays. With a fast print speed and clean casting SuperCAST v3 is the ideal casting material for the restorative lab.

Layer thickness range from 10 microns.

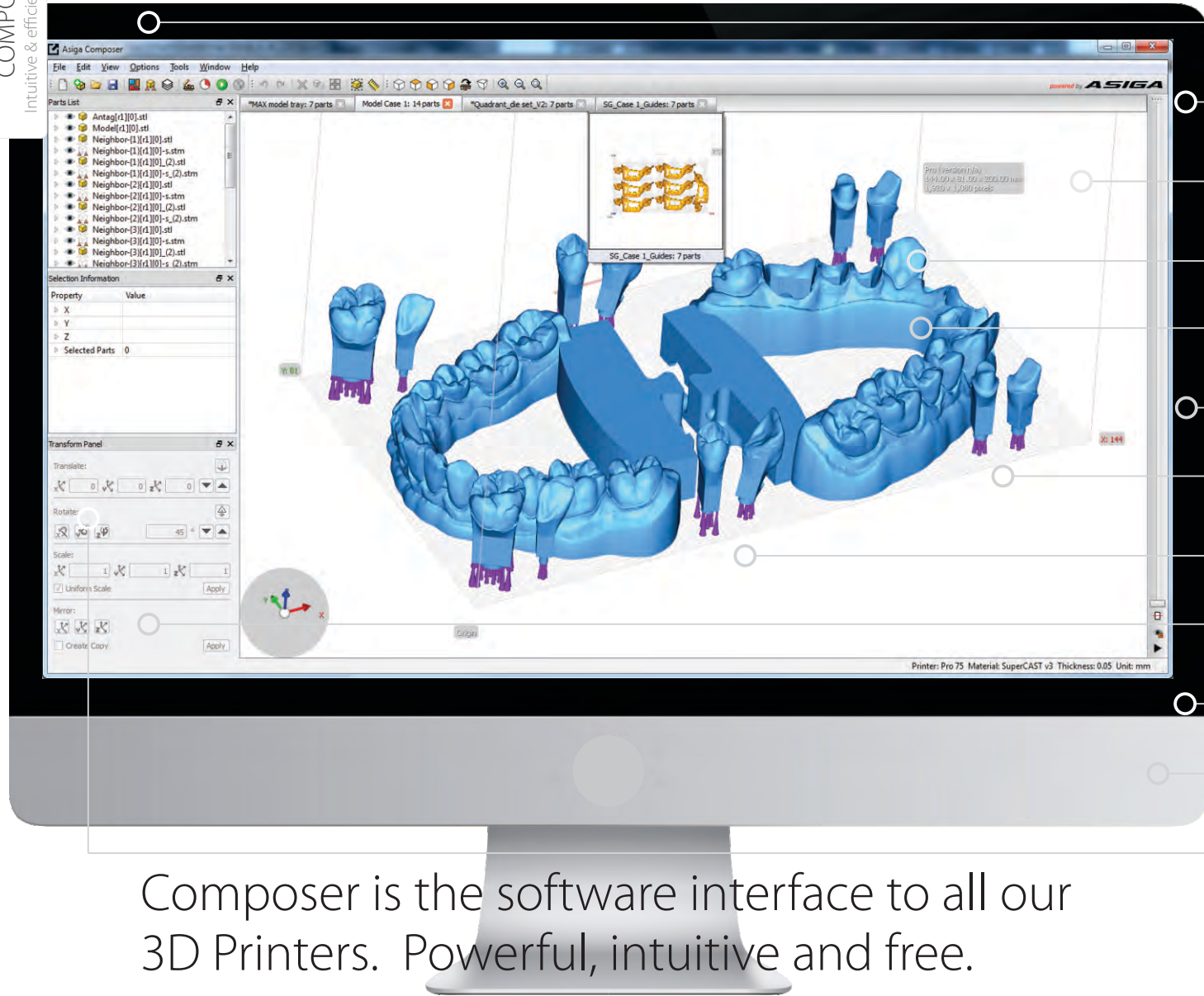
Applications:

- Partial frameworks
- Crown and bridge restorations

Printer compatibility: 385nm (UV) and 405nm.



Available in both 500ml & 1l bottle sizes



Auto-Supports
for greater user efficiency

Remote Control
login to your 3D printer remotely

Build Time Estimator
schedule workflow

STL / SLC or Both
load STL & SLC into the same build

Flexible Supports
avoid support collisions

Multi-Stacking
maximize Z height usage

Dynamic Array
maximize build area usage

Add Casting Sprue
streamline casting workflow

Load Multiple Builds
onboard PC to store multiple builds

Final Check
measurement tool

License Free
free updates, forever.

User Control
full user access to build settings

Composer is the software interface to all our
3D Printers. Powerful, intuitive and free.

Multi-Operating System
Apple, Windows & Linux



Full compatibility with leading 3D scanning and digital design software providers.



Open material system for printing with any suitable biocompatible material. Choose from leading 3D material manufacturers.



DETAX

pro**3d**ure
medical



keystone[®]
Industries

ASIGA[®]

ASIGA

Free and unlimited lifetime technical support.
Local sales, service and support via our global
reseller network.

Affordable Digital Manufacturing, it's something Asiga invented.

In 2011, Asiga launched the world's first LED based DLP 3D printer and started the affordable desktop stereolithography revolution which changed digital manufacturing forever.

Asiga won the MJSA's 2012 Thinking Ahead award for best new technology and gained international recognition for innovative products which continue to lead their respective categories to this day.

Asiga designs and manufactures all products at it's headquarters in Sydney, Australia. Asiga's in-house mechanical, electrical, software and materials team ensures continued innovation and product improvement.

Contact us or one of our resellers to learn more.

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