ASIGA®

www.asiga.com

ASIGA®

3D Printers for Dentistry

Repeatable precision for quality assurance and patient safety.

REG. CODE: PN03767

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.

Nobel Biocare™

"After extensive internal testing of a variety of 3D printing systems, the ASIGA MAX UV is clearly one of the best desktop 3D printers in terms of print quality and consistency for the tested dental indications."

Alex Pilet, Head of Advanced Technologies, Nobel Biocare

Andent
Behind every smile.
A Modern Dental Pacific Company

"After 15 years of printing we finally found a printer with high accuracy, consistency, fast print speed and at an affordable price. The Asiga MAX UV has been a great addition to our lab allowing us to provide a number of products from one printer with its completely open material system."

Matthew Smith, Director Group Production, Andent

GLIDEWELL LABORATORIES

“Asiga's high quality and reliability make it a great option for the lab.”

Christopher Kirkland, R&D Technical Analyst, Glidewell Laboratories

core3d centres®

"We use the Asiga MAX UV as if offers a completely open material system that allows us to utilise resins from almost any vendor.”

Brad Race, Core3dCentres

"The Asiga Max has been a game changer for my one man laboratory. I have the freedom to use any material due to the open material system which makes this a very powerful tool."

Bill Marais, Owner, Disa Dental Studio

DIAMOND
Denture Studio

"The Asiga MAX UV completes our digital denture workflow as it offers the repeatability and costistency we need to remain competitive. Being an open system we have access to any denture base or tooth material as it reaches the market."

Tony Finn, Managing Director, Diamond Denture Studio

ACCURACY STUDY
Validated for dentistry

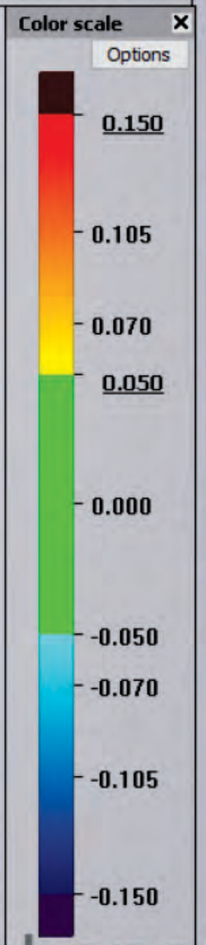
ASIGA
Digital Dental Solutions

Asiga 3D printers are proven as best-in-class for digital dentistry and offer the highest accuracy of any commercial 3D printer.

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.

Printed on an Asiga MAX UV in Asiga DentaMODEL, scanned using 3Shape scanner and validated in 3Shape Convince software

# Points:	195400
Min:	-1.3662
Max:	1.994
Mean value:	-0.0024
Variance:	0.001
Std deviation:	0.0317
RMS:	0.0318
In tolerance(%):	93.0655
Out tolerance(%):	6.9345

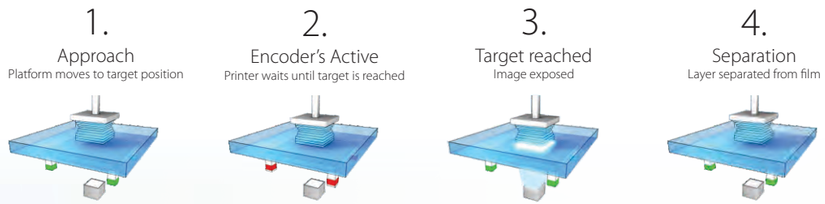


3shape

Our Process Monitoring Technologies explained. These technologies ensure every layer is formed accurately resulting in a reliable output for quality assurance and patient safety.

Smart Positioning Technology (SPS)

The Smart Positioning System (SPS) is a series of positioning encoders that read the exact position of the build platform during each layer approach. This ensures the next layer is only exposed/formed once the build platform target position has been reached.



Internal radiometer

An internal radiometer actively monitors LED intensity during each build ensuring the correct light exposure is delivered for every layer.

High power UV 385nm LED

To print water-clear materials and many of the industry leading materials, a UV 385nm LED is required.

Small pixel and accurate pixel placement

Pixel size and pixel placement are important for reproducing digital data accurately to achieve a precise fit.
For dentistry, small pixel sizes are critical and we recommend between 47µm - 80µm depending on application.

Precise material curing

Our Open Material System allows for any suitable material to be printed. Material curing parameters for each material are generated by Asiga ensuring materials are cured accurately for repeatable results.

Our end user features.
3D printing made intuitive and simple.

ASIGA®
Digital Dental Solutions

Single Point Calibration
Calibrate in under 60 seconds

Auto Power-Off
Energy saving mode and auto-recovery

Environmental Control
Onboard heater for reliable performance

Fast Material Change-over
Change materials in less than 30 seconds with no calibration required

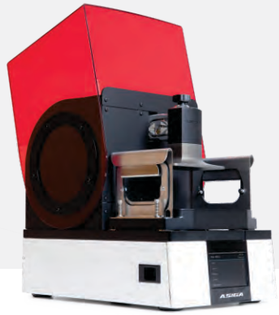
High Power UV LED 385nm
For long term reliability, accuracy and for processing water-clear materials

Open Material System
Use any Asiga material and any suitable 3rd party material

Touch Screen Display
For greater user convenience

Remote access and control
Streamlined integration into your digital workflow

Asiga dental 3D printers.



MAX LCD

MAX Series

MAX UV

PRO HD

PRO Series

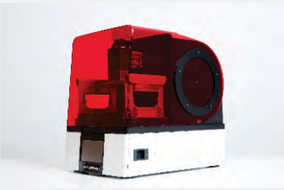
PRO 4K

ASIGA®
Digital Dental Solutions

MAX LCD

The MAX LCD offers dental laboratories and clinics an affordable, repeatable and accurate 3D printing solution.




TRUSTED BY DENTAL CLINICS & LABORATORIES WORLDWIDE

PROVEN PERFORMANCE, UNMATCHED BUILD QUALITY

LIFETIME TECHNICAL SUPPORT GUARANTEE

Product specification

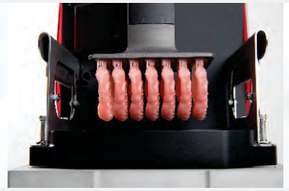
Build Volume X, Y, Z	121 x 68 x 76mm. 4.75 x 2.7 x 3 inches
Pixel Resolution	47µm
Technology	LCD
LED Wavelength	405nm (high power LED)
Asiga dental materials	DentaMODEL-LCD (dental models) DentaGUM-LCD (gingiva mask, soft-tissue) DentaCAST-LCD (investment casting and pressing)
Material Compatibility	Open Material System including materials from Detax, Whip Mix, Dreve, NextDent, Scheu, Dentca, Pro3dure, Dentona, Keystone & more.
Production	Dental models, surgical guides, denture bases, temporaries, partial frameworks, IBT's, crown and bridge, custom trays, splints and more.
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, STM (Asiga Stomp file format)
Network Compatibility	Wifi, WirelessDirect, Ethernet
Power requirements	100-240VAC, 50/60Hz, 2.0A MAX
System sizing	260 x 380 x 370mm /16.50Kg. 10.2 x 15 x 14.5 inches / 36.4Lbs
Packed sizing	410 x 500 x 480mm / 19Kg. 16.1 x 19.7 x 18.9 inches / 41.9Lbs
Warranty	12 months manufacturers warranty
Technical support	Unlimited lifetime technical support included
Bundle includes	3D printer, Composer software, 1Kg Asiga material, 1L build tray, Asiga Flash post-curing chamber, calibration toolkit

* Contact Asiga for information regarding material biocompatibility certification in your region

ASIGA®
Digital Dental Solutions

MAX UV

Proven performance, unrivaled repeatability. The MAX UV is the industry benchmark for precision dental 3D printing. Optimised for the production of all types of dental appliances from restorative dentistry through to orthodontic.


TRUSTED BY DENTAL CLINICS & LABORATORIES WORLDWIDE

PROVEN PERFORMANCE, UNMATCHED BUILD QUALITY

LIFETIME TECHNICAL SUPPORT GUARANTEE

Product specification

Build Volume X, Y, Z	119 x 67 x 76mm. 4.68 x 2.63 x 3 inches
Pixel Resolution	62µm
Technology	DLP
LED Wavelength	385nm (high power UV LED)
Asiga dental materials	DentaMODEL (dental models) DentaGUM (gingiva mask, soft-tissue) DentaCAST (investment casting and pressing) DentaCLEAR (surgical guides, splints, custom impression trays) * DentalBT (Indirect bonding trays) * DentaBASE (denture base) * DentaTOOTH (denture teeth, temporary crown, inlay/onlay) *
Material Compatibility	Open Material System including materials from Detax, Whip Mix, Dreve, NextDent, Scheu, Dentca, Pro3dure, Dentona, Keystone & more.
Production	Dental models, surgical guides, denture bases, temporaries, partial frameworks, IBT's, crown and bridge, custom trays, splints and more.
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, STM (Asiga Stomp file format)
Network Compatibility	Wifi, WirelessDirect, Ethernet
Power requirements	100-240VAC, 50/60Hz, 2.0A MAX
System sizing	260 x 380 x 370mm /16.50Kg. 10.2 x 15 x 14.5 inches / 36.4Lbs
Packed sizing	410 x 500 x 480mm / 19Kg. 16.1 x 19.7 x 18.9 inches / 41.9Lbs
Warranty	12 months manufacturers warranty
Technical support	Unlimited lifetime technical support included
Bundle includes	3D printer, Composer software, 1Kg Asiga material, 1L build tray, Asiga Flash post-curing chamber, calibration toolkit

* Contact Asiga for information regarding material biocompatibility certification in your region

PRO HD
PRO series dental 3D printer

TRUSTED BY DENTAL CLINICS & LABORATORIES WORLDWIDE

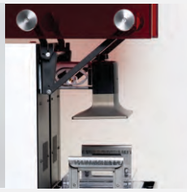
PROVEN PERFORMANCE, UNMATCHED BUILD QUALITY

LIFETIME TECHNICAL SUPPORT GUARANTEE

ASIGA®
Digital Dental Solutions

PRO HD

The PRO HD combines proven industry-leading precision and a large build envelope with high-speed print capability for professional dental labs and clinics.


Product specification	PRO HD65 UV	PRO HD80 UV	PRO HD100 UV
Build Volume X, Y, Z	125 x 70 x 200mm | 4.92 x 2.75 x 7.87 inches	153.6 x 86.4 x 200mm | 6 x 3.4 x 7.87 inches	192 x 108 x 200mm | 7.56 x 4.2 x 7.87 inches
Pixel Resolution	65µm	80µm	100µm
Technology	DLP	DLP	DLP
LED Wavelength	385nm (high power UV LED)	385nm (high power UV LED)	385nm (high power UV LED)

Asiga dental materials	DentaMODEL (dental models) DentaGUM (gingiva mask, soft-tissue) DentaCAST (investment casting and pressing) DentaCLEAR (surgical guides, splints, custom impression trays) * DentalBT (Indirect bonding trays) * DentaBASE (denture base) * DentaTOOTH (denture teeth, temporary crown, inlay/onlay) *
Material Compatibility	Open Material System including materials from Detax, Whip Mix, Dreve, NextDent, Scheu, Dentca, Pro3dure, Dentona, Keystone & more.
Production	Dental models, surgical guides, denture bases, temporaries, partial frameworks, IBT's, crown and bridge, custom trays, splints and more.
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, STM (Asiga Stomp file format)
Network Compatibility	Wifi, WirelessDirect, Ethernet
Power requirements	100-240VAC, 50/60Hz, 500 Watts (100V - 5Amp Max. 240V - 2.1Amp)
System sizing	465 x 420 x 1370mm / 75Kg. 18.3 x 16.5 x 53.9 inches / 165Lbs
Packed sizing	975 x 735 x 1590mm / 100Kg. 38.3 x 28.9 x 62.6 inches / 220Lbs
Warranty	12 months manufacturers warranty
Technical support	Unlimited lifetime technical support included
Bundle includes	3D printer, Composer software, 1Kg Asiga material, 1L build tray, Asiga Flash post-curing chamber, calibration toolkit

* Contact Asiga for information regarding material biocompatibility certification in your region.

TRUSTED BY DENTAL CLINICS & LABORATORIES WORLDWIDE

PROVEN PERFORMANCE, UNMATCHED BUILD QUALITY

LIFETIME TECHNICAL SUPPORT GUARANTEE

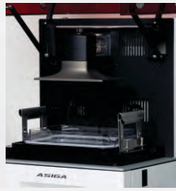
ASIGA®
Digital Dental Solutions

PRO 4K

The PRO 4K utilises the latest DLP imaging technology to achieve the largest print envelope in our range, with precision, reliability and speed for the most demanding production applications.







Product specification	PRO 4K65	PRO 4K80
Build Volume X, Y, Z	176.5 x 99 x 200mm. 6.94 x 3.9 x 7.87 inches	217 x 122 x 200mm. 8.54 x 4.8 x 7.87 inches
Pixel Resolution	65µm	80µm
Technology	DLP	DLP
LED Wavelength	385nm (high power UV LED)	385nm (high power UV LED)
Asiga dental materials	DentaMODEL (dental models) DentaGUM (gingiva mask, soft-tissue) DentaCAST (investment casting and pressing) DentaCLEAR (surgical guides, splints, custom impression trays) * DentalBT (Indirect bonding trays) * DentaBASE (denture base) * DentaTOOTH (denture teeth, temporary crown, inlay/onlay) *	
Material Compatibility	Open Material System including materials from Detax, Whip Mix, Dreve, NextDent, Scheu, Dentca, Pro3dure, Dentona, Keystone & more.	
Production	Dental models, surgical guides, denture bases, temporaries, partial frameworks, IBT's, crown and bridge, custom trays, splints and more.	
Software	Asiga Composer software. Lifetime updates included	
File inputs	STL, SLC, STM (Asiga Stomp file format)	
Network Compatibility	Wifi, WirelessDirect, Ethernet	
Power requirements	100-240VAC, 50/60Hz, 500 Watts (100V - 5Amp Max. 240V - 2.1Amp)	
System sizing	465 x 420 x 1370mm / 75Kg. 18.3 x 16.5 x 53.9 inches / 165Lbs	
Packed sizing	975 x 735 x 1590mm / 100Kg. 38.3 x 28.9 x 62.6 inches / 220Lbs	
Warranty	12 months manufacturers warranty	
Technical support	Unlimited lifetime technical support included	
Bundle includes	3D printer, Composer software, 1Kg Asiga material, 1L build tray, Asiga Flash post-curing chamber, calibration toolkit	

* Contact Asiga for information regarding material biocompatibility certification in your region.

Our 100% Open Material System allows for 3D printing any suitable material from any manufacturer.

Asiga DLP materials suitable for any DLP 3D printer.

DentaMODEL

- Dental Models
- Quadrants
- Dental Models for thermoforming

Compatible with:
385nm / 405nm printers

DentaGUM

- Gingiva

Compatible with:
385nm / 405nm printers

DentaCAST

- Investment casting / pressing C&B
- Partial Frameworks

Compatible with:
385nm / 405nm printers

DentaCLEAR

- Surgical Guides *
- Splints *
- Custom Impression Trays *

Compatible with:
385nm printers

DentalBT

- Indirect Bonding Trays *

Compatible with:
385nm printers

DentaBASE

- Denture Base *

Compatible with:
385nm / 405nm printers

DentaTOOTH

- Temporary C&B *
- Temporary Dentures *
- Inlays / Onlays *
- Available in A1, A2, A3

Compatible with:
385nm / 405nm printers

* Contact Asiga for information regarding material biocompatibility certification in your region

Asiga LCD materials suitable for any LCD 3D printer.

DentaMODEL-LCD

- Dental Models
- Quadrants
- Dental Models for thermoforming

Compatible with:
405nm LCD printers

DentaCAST-LCD

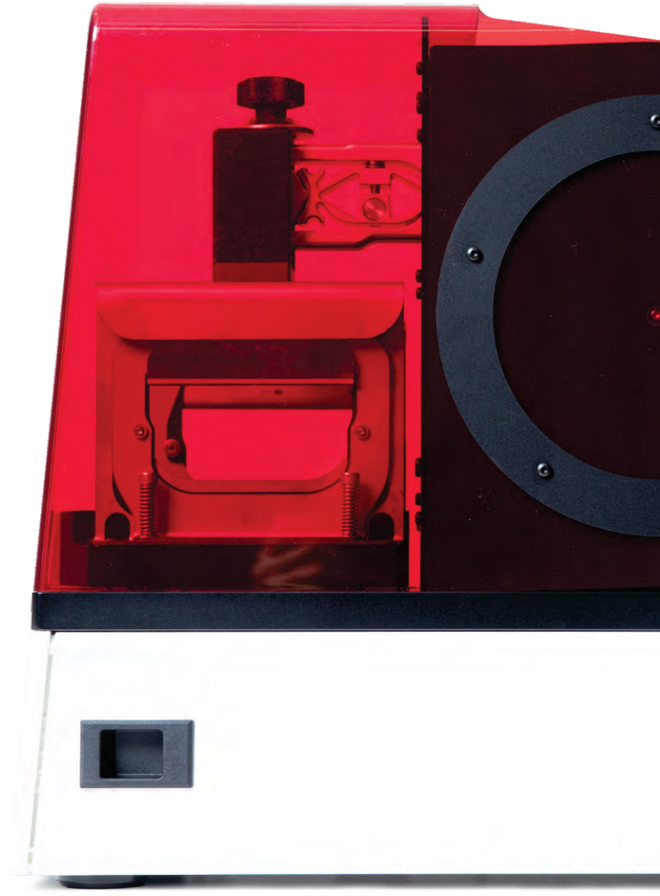
- Investment casting / pressing C&B
- Partial Frameworks

Compatible with:
405nm LCD printers

DentaGUM-LCD

- Gingiva

Compatible with:
405nm LCD printers



MAX LCD

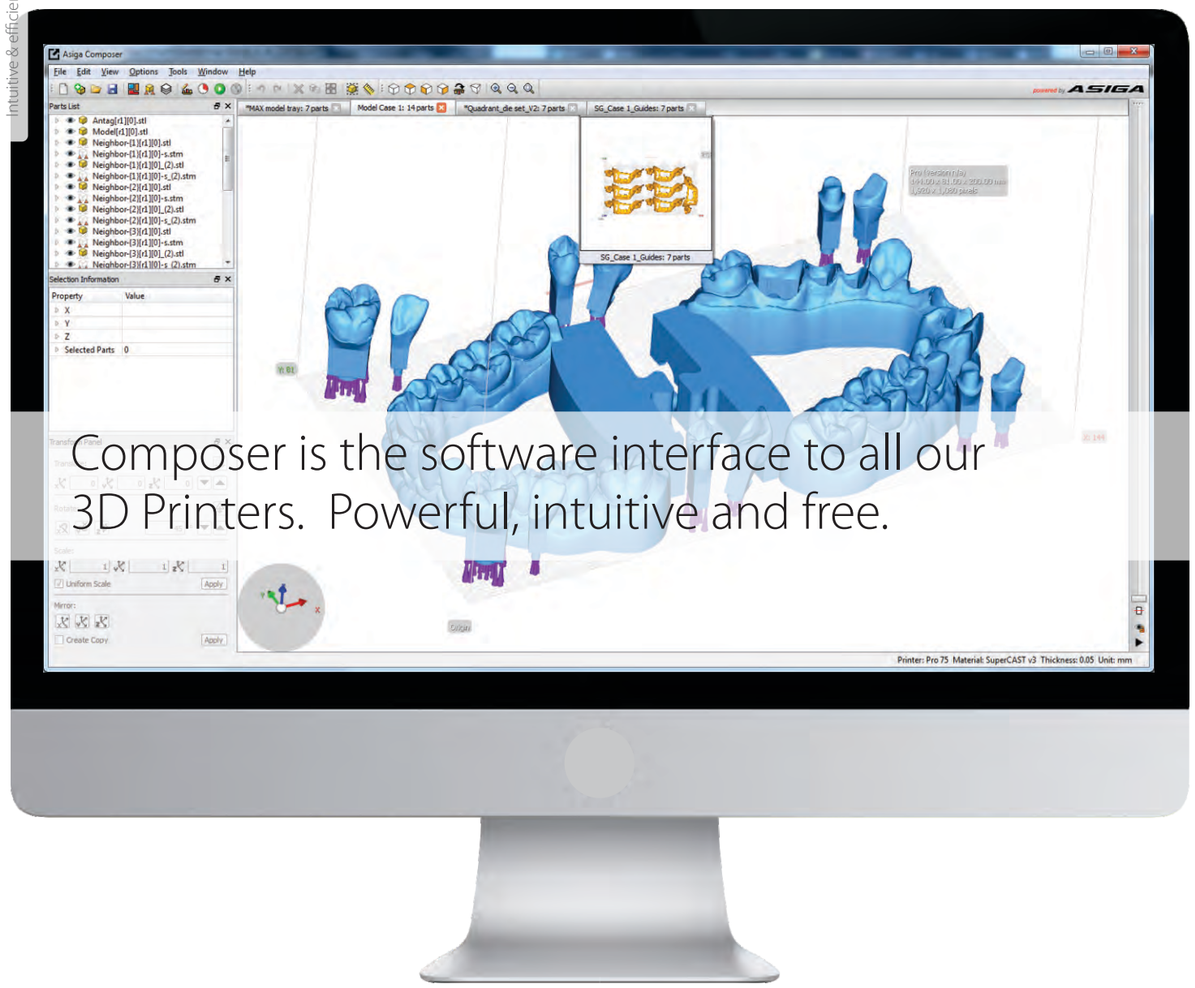
* Contact Asiga for information regarding material biocompatibility certification in your region

Asiga 3D printers are compatible with the following material manufacturers.

Dreve
DETAX
NextDent by Vertex Dental
Whip Mix
DENTCA CAD/CAM DENTURE
SCHEU
GC
pro3dure medical
keystone industries
dentona NEW WAY DENTAL TECHNOLOGY

ASIGA COMPOSER
Intuitive & efficient software

ASIGA
Digital Dental Solutions



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

Automatic Support and Part Placement
For fast build processing and greater user efficiency

Build Time Estimator
Effectively schedule your production workflow

Multi-Stacking included
Maximize Z height usage and build multiple levels of parts

Simple & Intuitive
Submit builds within a minimal number of clicks

Dynamic Part Array
Place parts based on geometry to maximize available build area

Load and Process Multiple Builds
Manage multiple builds at the same time in a simple tab based interface

Remote Control
Access your printer via a simple web interface

Compatible with
Apple, Windows, Linux

macOS Windows Linux

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

MEDIT

dental wings

3shape

SCHEU

exocad

smart optics

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

COMPANY
Who we are and what we do

ASIGA®
Digital Dental Solutions

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.

Asiga Australia (HQ)
2, 19-21 Bourke Road
Alexandria, Sydney 2015
Australia
TEL: +61 2 9690 2737

Asiga Germany
Kraempferstr. 4
99084, Erfurt
Germany
TEL: +49 361 5506 6866

Asiga USA
TOLL FREE: +1 877 689 99 98

info@asiga.com
www.asiga.com

ASIGA®
Digital Dental Solutions

ASIGA®

www.asiga.com