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
Digital Dental Solutions

Nobel Biocare™

Andent
Behind every smile.
A Modern Dental Pacific Company

GL GLIDEWELL LABORATORIES

core3d centres®

DIAMOND
Denture Studio

"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

"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

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

Christopher Kirkland, R&D Technical Analyst, Glidewell Laboratories

"We use the Asiga MAX UV as if offers a completely open material system that allows us to utilise resins from almost any vendor."
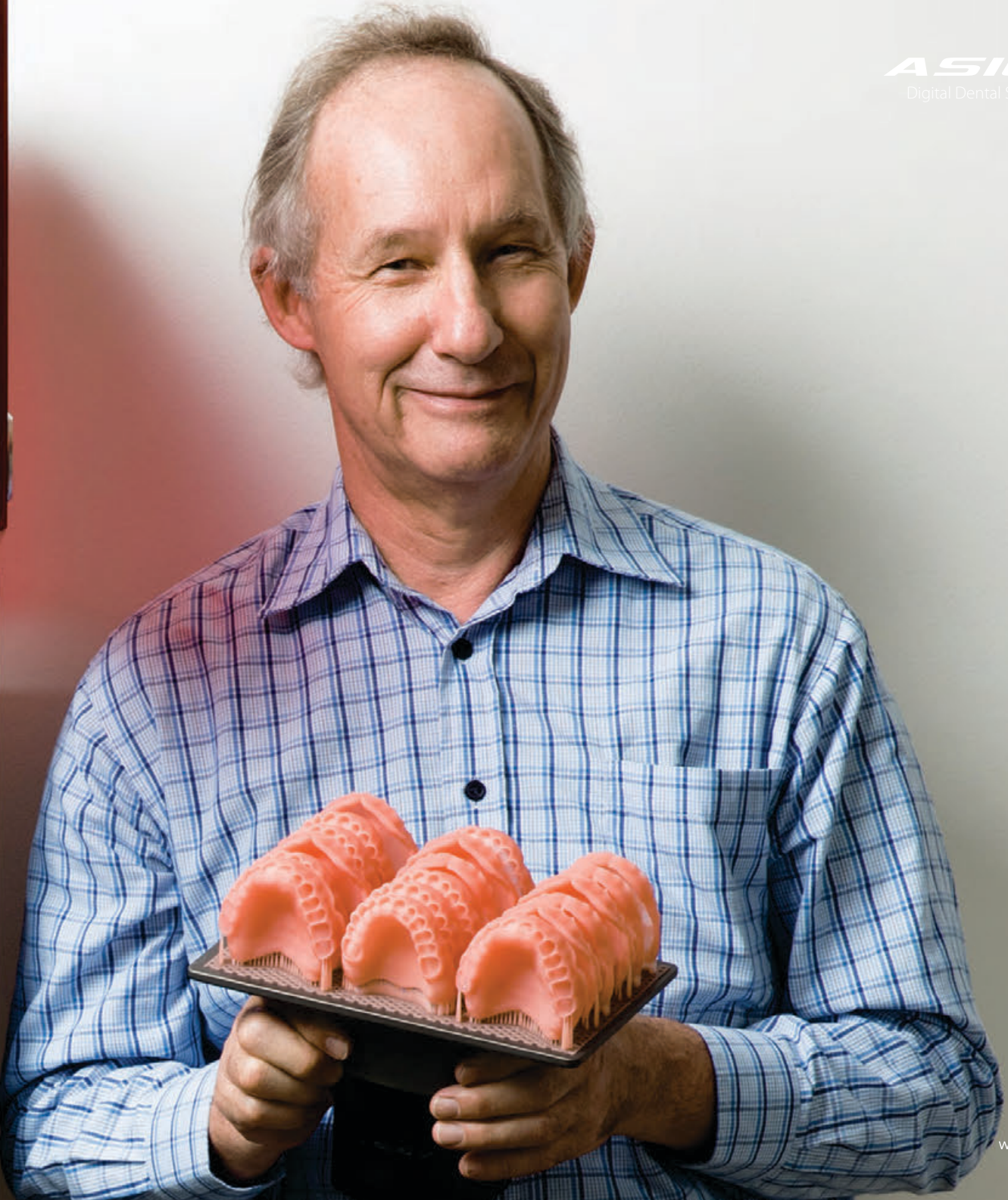
Brad Race, Core3dCentres

"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

"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

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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

Color scale ✕

Options

- 0.150
- 0.105
- 0.070
- 0.050
- 0.000
- -0.050
- -0.070
- -0.105
- -0.150

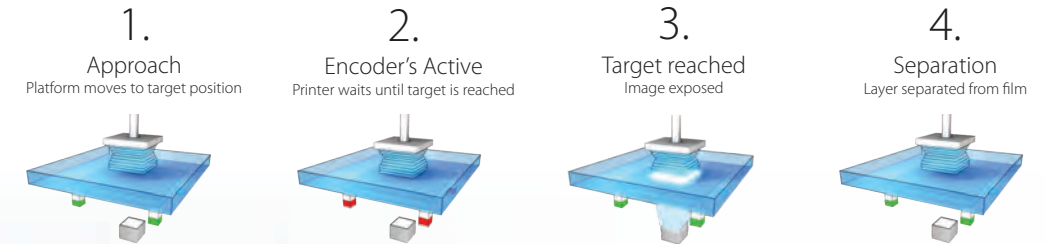**ASIGA**®

www.asiga.com

3shape▷

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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 System (SPS)

Asiga's Smart Positioning System (SPS) is a series of positioning encoders that read the exact position of the build platform during every layer approach. This ensures that the next layer is exposed/formed only once the build platform target position has been reached. This is the first step in ensuring each layer is formed accurately.

1.	2.	3.	4.
Approach	Encoder's Active	Target reached	Separation
Platform moves to target position	Printer waits until target is reached	Image exposed	Layer separated from film

Internal radiometer

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

High power UV 385nm LED

Why 385nm UV LEDs? 3D materials cure faster at deeper UV wavelengths (385nm) reducing XY scattering and over-cure. The result is consistent accuracy, production reliability and the ability to process water-clear materials.

Small pixel and accurate pixel placement

Pixel size and pixel placement are crucial for reproducing digital data accurately. For dentistry, we recommend pixel sizes between 60 - 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.

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4K mode

Using pixel shifting technology, Asiga's 4K mode reduces the pixel size to increase part accuracy and resolution without impacting build area or printing time.

4K mode - 3D printing reimagined.

Surface definition in
Native mode

Surface definition in
4K mode

PRO 4K

4K mode is available on all PRO 4K 3D printers only.

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

Open Material System
Over 380 optimized material profiles available via the Asiga Material Library online.
Fully Open - print any suitable material from any manufacturer

Single Point Calibration
Calibrate printer in under 60 seconds

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

Auto Power-Off
Energy saving mode and auto-recovery

Environmental Control
Onboard heater for reliable performance

Remote access and control
Streamlined integration into your digital workflow

Touch Screen Display
For greater user convenience

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Digital Dental Solutions

PRO 4K

Floor Standing | Powerful | Volume production

MAX UV

Desktop | Powerful | Compact

Asiga dental 3D printers for the Clinic or Laboratory.

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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.

Print Speed 60mm/hr

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 (occlusal splints) *
	DentaGUIDE (surgical guides) *
	DentaIBT (Indirect bonding trays) *
	DentaTRY (Try-in, custom impression trays) *
	DentaBASE (denture base) *
	DentaTOOTH (denture teeth) *
Material Compatibility	Open Material System. Over 400 validated materials available via Asiga's Material Library online.
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, PLY, 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

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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. 4K mode available as standard.

Print Speed 60mm/hr

TRUSTED BY DENTAL CLINICS & LABORATORIES WORLDWIDE

PROVEN PERFORMANCE, UNMATCHED BUILD QUALITY

LIFETIME TECHNICAL SUPPORT GUARANTEE

4K MODE

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 size - 4K mode	46µm	56µm
Pixel size - Native mode	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 (occlusal splints) *
	DentaGUIDE (surgical guides) *
	DentaIBT (Indirect bonding trays) *
	DentaTRY (Try-in, custom impression trays) *
	DentaBASE (denture base) *
	DentaTOOTH (denture teeth) *
Material Compatibility	Open Material System. Over 400 validated materials available via Asiga's Material Library online.
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, PLY, 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 540 x 1370mm / 140 kg 18.3 x 21.2 x 53.9 inches / 309 lb
Packed sizing	900 × 700 × 1540mm / 205 kg 35.4 × 27.6 × 60.6 inches / 452 lb
Warranty	12 months manufacturers warranty
Technical support	Unlimited lifetime technical support included
Bundle includes	3D printer, Composer software, 1Kg Asiga material, 2L build tray, Asiga Flash post-curing chamber, calibration toolkit

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Asiga 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

500g bottle available

DentaCAST
- Investment casting / C&B
- Partial Frameworks

Compatible with:
385nm / 405nm printers

DentaCLEAR
- Occlusal Splints *

Compatible with:
385nm printers

DentaGUIDE
- Surgical Guides *

Compatible with:
385nm / 405nm printers

DentaIBT
- Indirect Bonding Trays *

Compatible with:
385nm printers

DentaTRY
- Try-Ins *
- Custom Impression Trays *

Available colours:
A1, A2, A3, B1, B2, B3

Compatible with:
385nm / 405nm printers

DentaBASE
- Denture Base *

Compatible with:
385nm / 405nm printers

DentaTOOTH
- Denture Teeth *

Available colours:
A1, A2, A3, B1, B2, B3

Compatible with:
385nm / 405nm printers

500g bottle available

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

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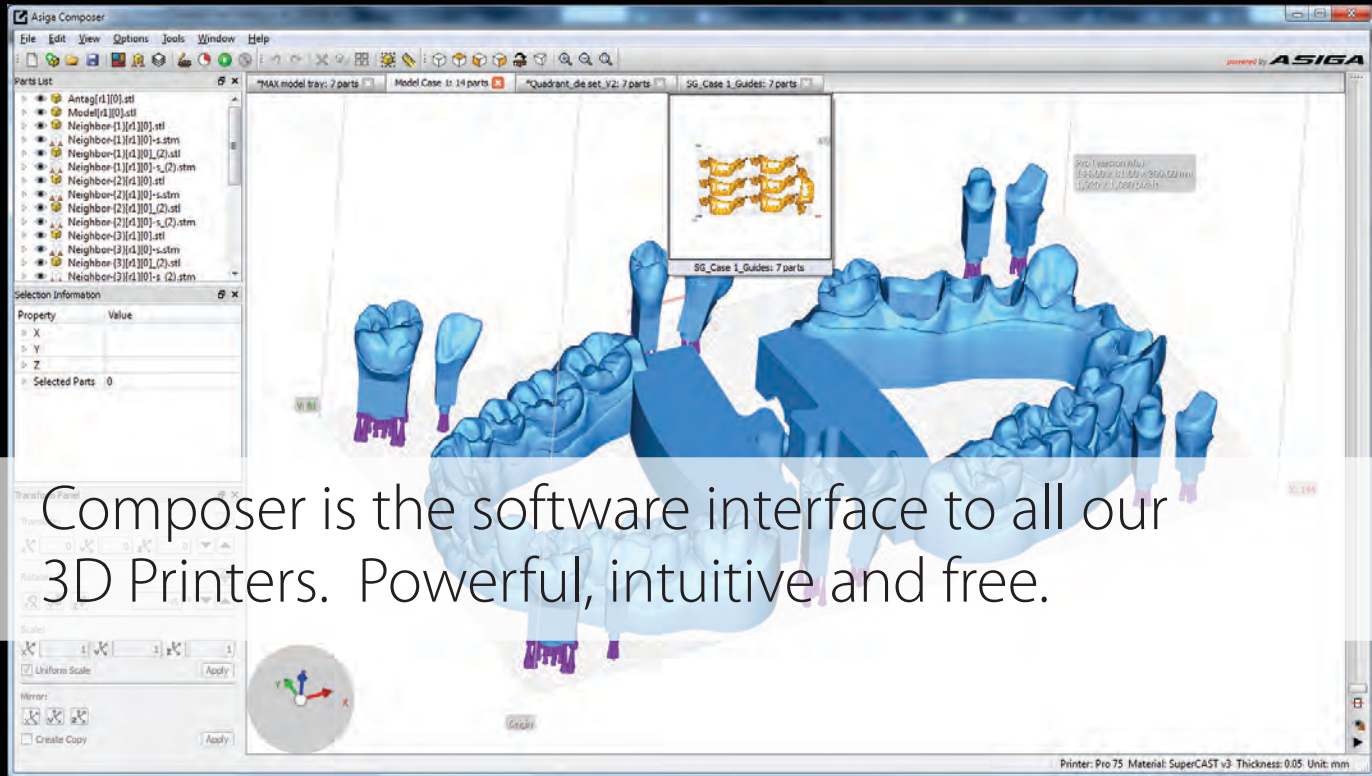
Composer is the software interface to all our
3D Printers. Powerful, intuitive and free.

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. Compatible with file types STL, PLY, SLC, STM

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

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Seamless integration with leading 3D scanning and digital design software providers.

MEDIT

3shape

exocad

dental wings

SCHEU

smart optics

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