

# ASIGA



## 3D Printers for Dentistry

Repeatable precision for quality assurance and patient safety.



ASIGA AUTHORIZED RESELLER



Importers & Dealers in Quality Dental Goods

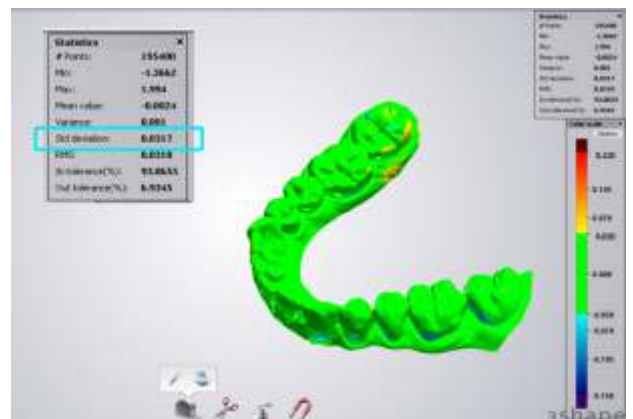
Being the creators of the precision desktop 3D printer market, we continue to offer precision, surface finish and product innovations designed to outperform any other.



Asiga 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



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  $47\mu\text{m}$  -  $80\mu\text{m}$  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.

## 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

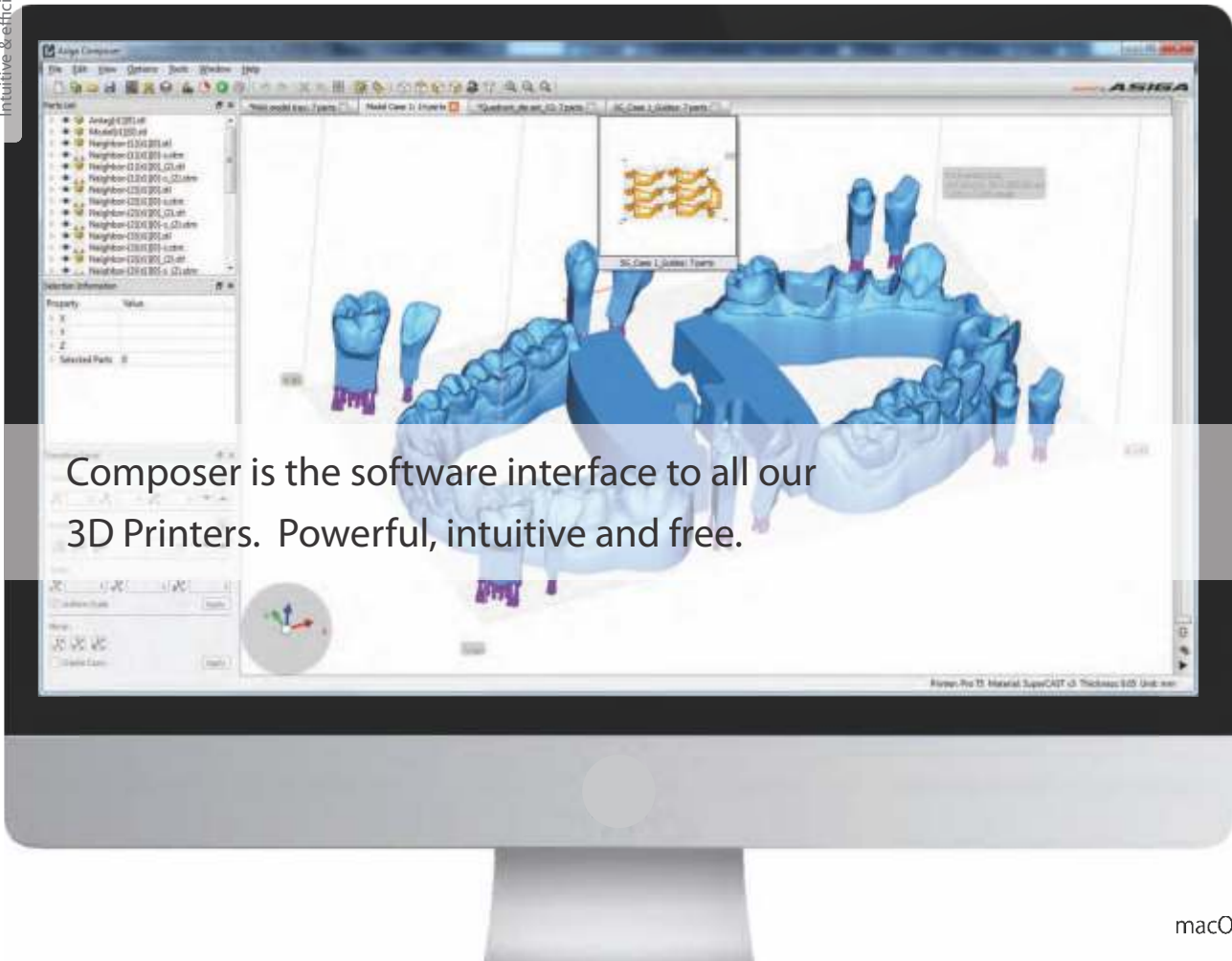
## Touch Screen Display

For greater user convenience

## Remote access and control

Streamlined integration into your digital workflow





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

macOS  

## 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



# 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.

## 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) DentaCLEAR (surgical guides, splints, custom impression trays) * DentaCAST (investment casting and pressing) DentaFLEX (indirect bonding tray, gingiva mask) * 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
	3D printer, Composer software, 1Kg Asiga material, 1L build tray, Asiga Flash post-curing chamber, calibration toolkit

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



DentaMODEL DentaGUM DentaCAST DentaCLEAR DentaGUIDE DentaIBT DentaTRY DentaBASE DentaTOOTH

Compatible with over 400 Materials and Counting .....



# ASIGA

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

ASIGA

sales@nkpateandsons.com





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.

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