ASIGA®

Rugged, robust and precise 3D Printers for Additive Manufacturing

Superior surface finish.

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. Proudly Australian made.
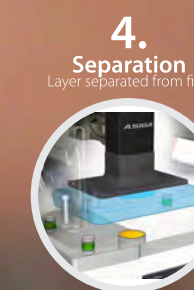
Accurate layer formation.

Asiga process monitoring technologies ensure every layer is formed accurately for precision and production continuity.

Smart Positioning System - SPS™

Asiga's **SPS™ technology** 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	**SPS™ Active**	**Target reached**	**Separation**
Platform moves to target position	Printer waits until target is reached	Image exposed	Layer separated from film

Internal radiometer / light meter

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 sharper 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. Our 3D printers offer a variety of pixel sizes ranging from **27μm through to 80μm**.

Precise material curing

Our **open material architecture** allows for any suitable material to be printed. We accommodate many material specific curing behaviours providing you with a Plug & Play solution for many of the worlds leading 3D printing polymers.
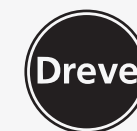
Victor Chang
Cardiac Research Institute

ASIGA®

asiga.com

Production reliability.

Trusted and proven globally.

Asiga SPS™ Technology for the ultimate in **3D print accuracy** and **production continuity.**

Industrial-grade **385nm LED's** as standard.

Over 93% of data points within 50 microns of the original CAD file with a **standard deviation of 31 microns**. Asiga is the **market leading 3D printer** in medical industries including **Dentistry** and **Audiology**.

ASIGA®
Additive manufacturing solutions

Material freedom.

Free and unlimited access to over 500 optimised and fully validated material profiles.

ASIGA®

□ · BASF
We create chemistry

polySpectra

Henkel

Dentsply Sirona

keystone
Industries

GC

VERICOM

DENTCA
CAD/CAM DENTURE

DETAX

SAREMCO

STULLER

SUREHOLD

POWER RESINS

MakerJuice LABS

KULZER
MITSUI CHEMICALS GROUP

Dreve

egger

Graphy

BEGO

ASIGA®

pro3dure medical

SCHEU

VOCO

LIQCREATE

moiin

dentona®
NEW WAY DENTAL TECHNOLOGY

Whip Mix®

DMG

DeltaMed
TURNING IDEAS INTO MATERIALS

3Dresyns

NextDent
by Vertex Dental

BlueCast
HIGH PERFORMANCE CASTABLE RESIN FOR 3D PRINTERS

RESINWORKS3D

ARGEN
EQUIPMENT

new stetic
USA

igus
motion plastics

myerson

PacDent

Evonik

Future-proof your 3D printer investment and gain access to all the latest AM materials

ASIGA®

RELIABILITY
For additive manufacturing

Robust 3D printers.

Reliably manufacture end use parts, medical devices, prototypes and jigs & fixtures on any Asiga 3D printer.

Manufacturing

Medical

Dental

Audiology

Jewellery

Microfluidics

Miniatures

ASIGA®

asiga.com

ASIGA ®
Additive manufacturing solutions

PRO 4K XL

PRO 4K

MAX X

MAX

Gas option available — Internal saturation sensor

	MAX	MAX X27	MAX X35	MAX X43	PRO 4K45	PRO 4K65	PRO 4K80	PRO 4K45 XL	PRO 4K65 XL	PRO 4K80 XL
Build Volume X, Y, Z	119 x 67 x 76mm	51.8 x 29.2 x 75mm	67.2 x 38 x 76mm	82.5 x 46.4 x 76mm	122 x 69 x 200mm	176.5 x 99 x 200mm	217 x 122 x 200mm	122 x 69 x 400mm	176.5 x 99 x 400mm	217 x 122 x 400mm
Pixel size - 4K mode	46μm	n/a	n/a	n/a	32μm	46μm	56μm	32μm	46μm	56μm
Pixel size - Native mode	62μm	27μm	35μm	43μm	45μm	65μm	80μm	45μm	65μm	80μm
Technology	DLP imaging with **Asiga's integrated SPS ™ technology and auto-calibrating radiometer.**									
LED Wavelength	**385nm UV industrial grade LED (recommended).** Also available with 365nm and 405nm industrial grade LED's.									
Material Compatibility	Asiga's Open Material System provides access to over 500 plug & play material profiles for many of the worlds leading material manufacturers. Future-proof your investment and choose Asiga's Open Material architecture.									
Production	Industrial, medical, dentistry, audiology, microfluidics, jewellery manufacturing, science & research, education, miniatures and more.									
Software	Asiga Composer software. Lifetime updates included									
File inputs	STL, SLC, PLY, STM (Asiga Stomp file format)									
Network Compatibility	Wifi, WirelessDirect, Ethernet									
Power requirements	100-240VAC, 50/60Hz, 2.0A MAX		100-240VAC, 50/60Hz, 2.0A MAX		100-240VAC, 50/60Hz, 500 Watts (100V - 5Amp Max. 240V - 2.1Amp)			100-240VAC, 50/60Hz, 500 Watts (100V - 5Amp Max. 240V - 2.1Amp)		
System sizing	260 x 380 x 370mm /16.5Kg. 10.2 x 15 x 14.5 inches / 36.4Lbs		260 x 380 x 505mm / 19Kg. 10.2 x 15 x 19.9 inches / 41.9Lbs		465 x 540 x 1370mm / 140 kg 18.3 x 21.2 x 53.9 inches / 309 lb			465 x 540 x 1550mm / 164.5 kg 18.3 x 21.2 x 61 inches / 362 lb		
Packed sizing	410 x 500 x 480mm / 19Kg. 16.1 x 19.7 x 18.9 inches / 41.9Lbs		400 x 510 x 630mm / 21.5Kg. 15.7 x 20 x 24.8 inches / 47.4Lbs		900 × 700 × 1540mm / 205 kg 35.4 × 27.6 × 60.6 inches / 452 lb			900 × 700 × 1740mm / 249 kg 35.4 × 27.6 × 68.5 inches / 548 lb		
Warranty	12 months manufacturers warranty									
Technical support	**Unlimited lifetime technical support - included**									
Bundle includes	Asiga Composer software, Asiga material pack, Asiga build tray, Asiga Flash post-curing chamber, calibration toolkit									

TECH SUPPORT
Unlimited and free

Lifetime support.

Receive unlimited lifetime technical support for free via our global centres in Australia, USA and Germany.

ASIGA®

www.asiga.com

Global offices located in Australia, USA & Germany.

REG. CODE: PN077859ZHY