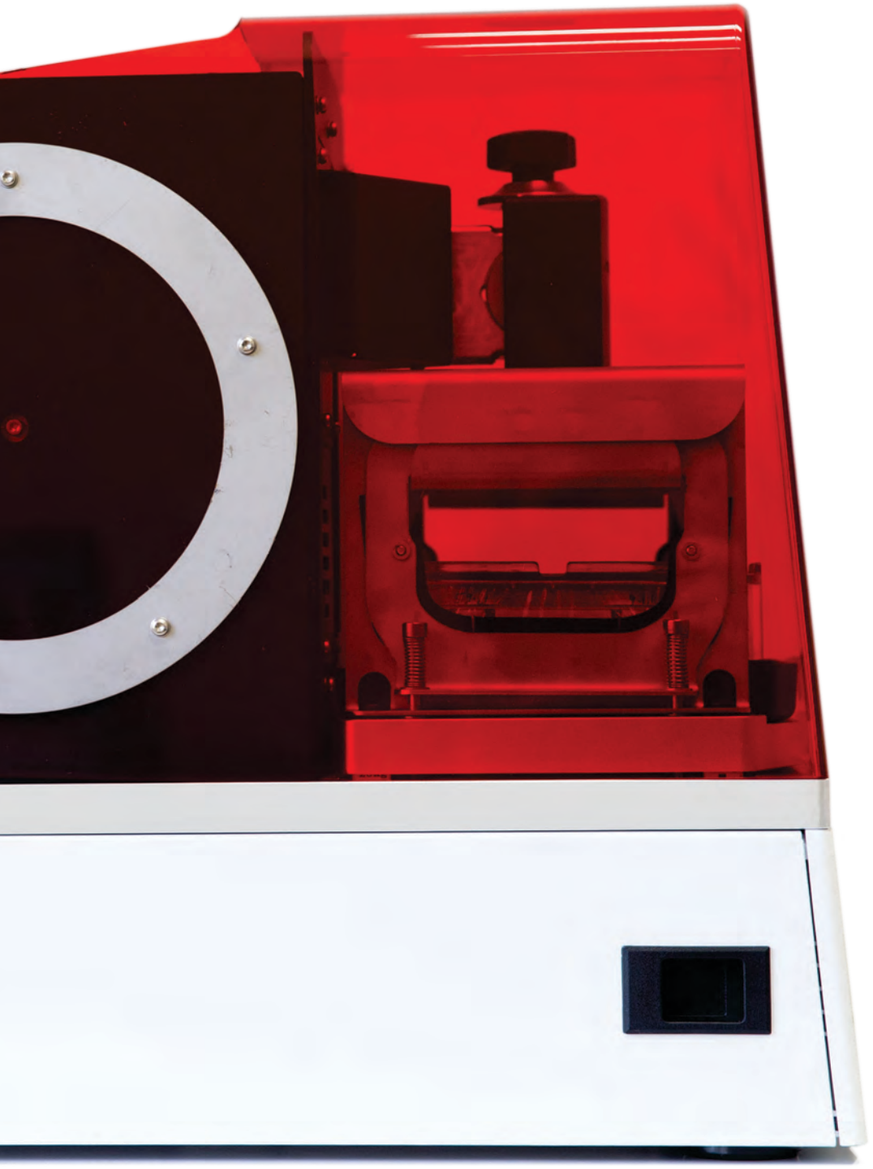


ASIGA®

3D Printers for Audiology

Repeatable precision for quality assurance and patient comfort.

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.

DGS

"Asiga 3D printers have demonstrated excellent performance across our production sites globally and will be a valued partner as we continue to expand our digital production capabilities."

Sebastian Blachura, Technical Support Manager, DGS PL

ReSound GN

"GN Resound is a global leader in intelligent audio solutions and we print with confidence on the Asiga MAX UV."

Mehdi Hoorzad, Process Development Director, GN Resound

Starkey Hearing Technologies

"Asiga has become our 3D printing vendor of choice."

Christopher Marxen, Sr. Director Strategic Initiatives

HEBA Perfektion im Ohr

"The Asiga Max has taken our production of THERMOtec® earmoulds to a new level. Asiga will continue to be our first choice when it comes to 3D printer systems."

Sascha Matulla, Lab Manager, HEBA-OTOPLASTIK

microson

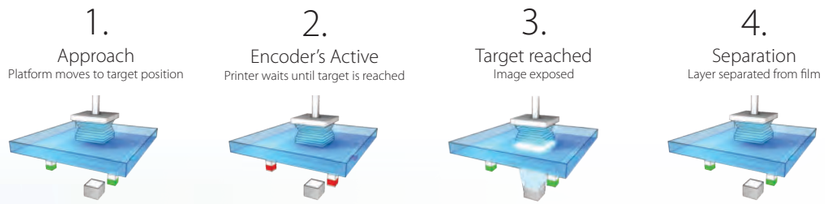
"Reliability, performance, ease of use, there is no doubt Asiga bring you the future in the present. As a specialist 3D trainer I know the 3D printer market and with confidence, can confirm that the ASIGA MAX UV is the best printer to help bring success to your business.."

Xavier Martínez Rubio, Documentation & Training Manager, Microson

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.



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

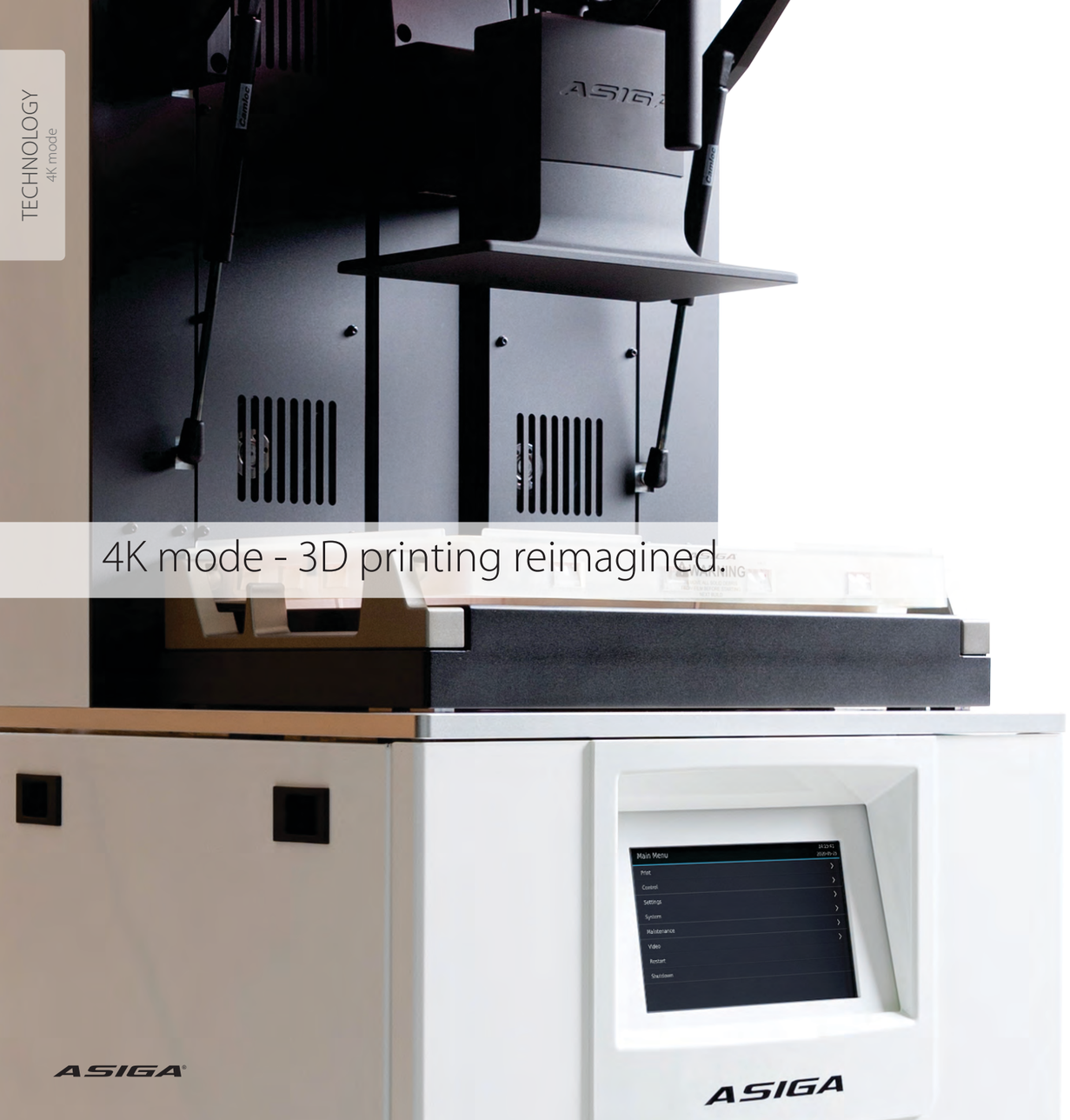
Why 385nm UV LEDs? 3D materials cure faster at deeper UV wavelengths (385nm) reducing XY scattering and over-cure. The result is consistent accuracy, production reliability and the ability to process water-clear materials.

Small pixel and accurate pixel placement

Pixel size and pixel placement are crucial for reproducing digital data accurately. For audiology, 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.



4K mode - 3D printing reimagined.

4K MODE

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.

Surface definition in Native mode

Surface definition in **4K mode**

PRO 4K

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

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

ASIGA
Digital Audiology Solutions

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

Wifi Enabled
connect wirelessly

ASIGA®
Digital Audiology Solutions

3D printers for digital Audiology manufacturing

MAX UV

Desktop | Powerful | Compact

PRO 4K

Floor Standing | Powerful | Volume production

MAX UV

Minimum footprint, maximum productivity.

The Asiga MAX™ UV is the world's most advanced 3D printer offering exceptional productivity in a small footprint. With 62µm HD print precision, the MAX™ UV is optimized for producing earshells, earmoulds, IEM's and silicone earmoulds in both lab and clinical environments.

Annual production: 60,000 plus earshells / earmoulds per year.

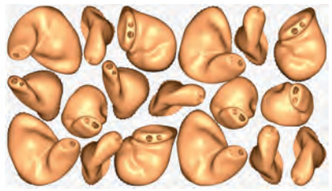
TRUSTED BY AUDIOLOGISTS AND AUDIO LABS WORLDWIDE

PROVEN PERFORMANCE, UNMATCHED BUILD QUALITY

LIFETIME TECHNICAL SUPPORT GUARANTEE

Printer Performance

Print capacity	22 earshells per build
Print speed - 100µm layers	40 minutes
Print cost per shell (USD)	$0.50 weight/material dependant
Annual output	60,000 plus units per year



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)
Material Compatibility	Open Material System including materials from Dreve, Detax, Pro3dure, Egger, Deltamed & more.
Production	Earshells, Earmoulds, Silicone Earmoulds, In-Ear-Monitors (IEM)
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 Audiology Solutions

PRO 4K

The ultimate in 4K DLP imaging technology.

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.

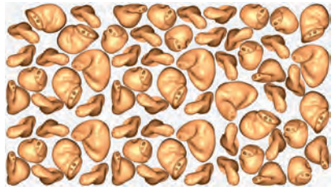
Annual production: 180,000 plus earshells / earmoulds per year (PRO 4K80 UV).

TRUSTED BY AUDIOLOGISTS AND AUDIO LABS WORLDWIDE

PROVEN PERFORMANCE, UNMATCHED BUILD QUALITY

LIFETIME TECHNICAL SUPPORT GUARANTEE





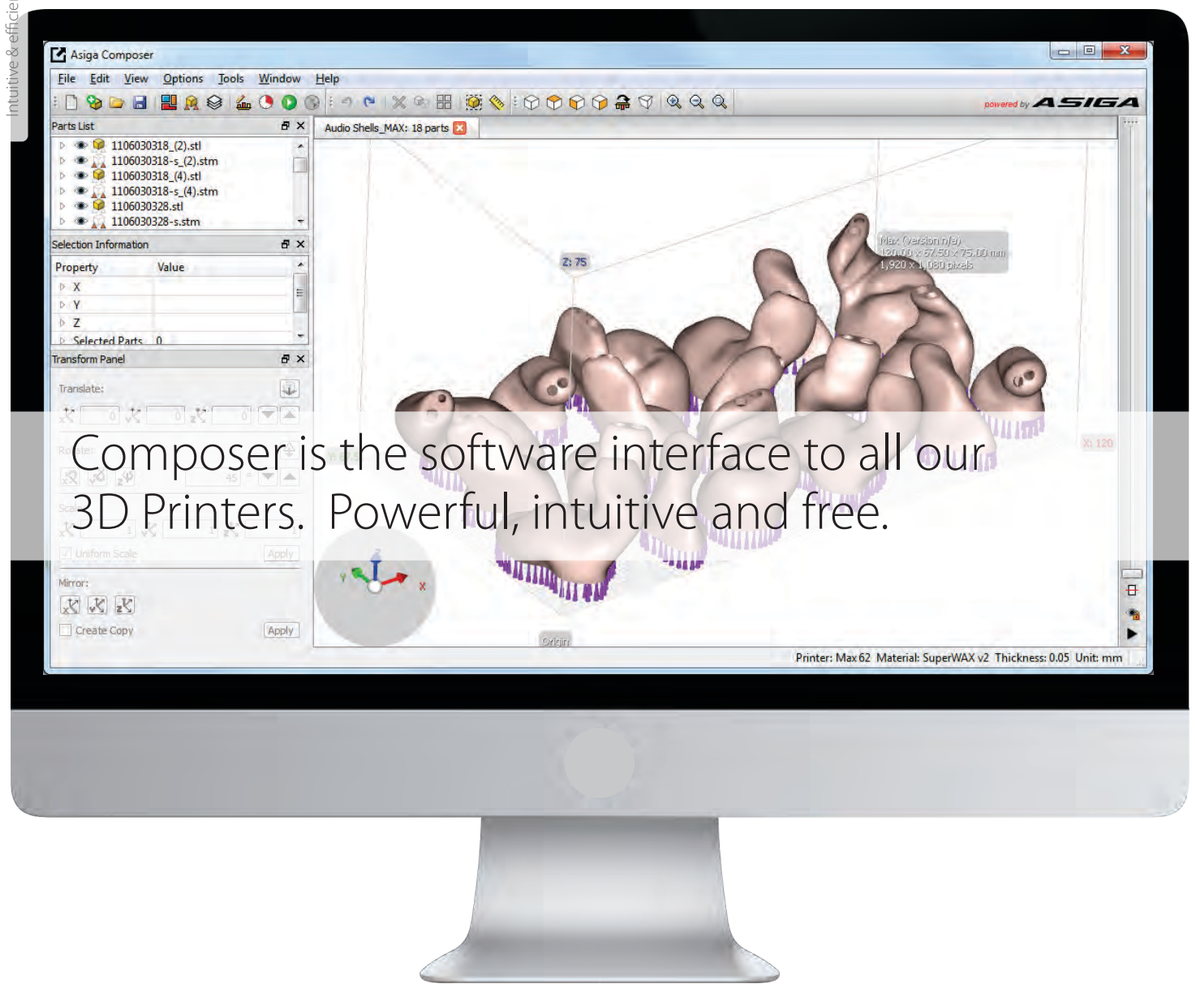
4K MODE

Product specification	PRO 4K65 UV	PRO 4K80 UV
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)
Material Compatibility	Open Material System including materials from Dreve, Detax, Pro3dure, Egger, Deltamed & more.	
Production	Earshells, Earmoulds, Silicone Earmoulds, In-Ear-Monitors (IEM)	
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 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	

Printer Performance (PRO 4K80 UV)

Print capacity	70 earshells per build
Print speed - 100µm layers	50 minutes
Print cost per shell (USD)	$0.50 weight/material dependant
Annual output	180,000 plus units per year

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



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

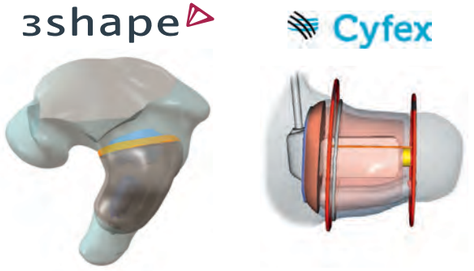
Compatible with
Apple, Windows, Linux

macOS Windows Linux

Complete your digital workflow with our industry leading partners.

3D Scanning
Patient impression digitised

3D Design
Earshell and earmold 3D CAD designed



3D Printing
Manufacture / 3D print the Earshell or Earmould using certified biocompatible resins.

The product.

Open material system offering flexibility and the widest material choice of any system on the market. Asiga printers are compatible with the following material manufacturers.

DETAX

Dreve

pro3dure medical

egger

DeltaMed
TURNING IDEAS INTO MATERIALS

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

3shape

smart optics

Cyfex

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

ASIGA®
Digital Audiology 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.

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