



# MAPTEC

COMPUTER SYSTEMS

MANUFACTURING *TOMORROW*

**ASIGA<sup>®</sup>**

[www.asiga.com](http://www.asiga.com)

3D Printers for  
Digital Audiology Production.



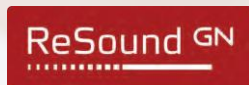
Being the creators of the precision desktop 3D printer market, we continue to offer precision, surface finish and product innovations designed to outperform any other.





"Asiga 3D printers 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, DGSPL



"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



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

Christopher Marxen, Sr. Director Strategic Initiatives



OUR KEY FEATURES  
What makes us different



Our key features.  
The innovations that make us different.

  
Wifi Enabled  
connect wirelessly

High Impact Hood  
UV blocking with excellent clarity

Single Point Calibration  
calibrate in under 30 seconds

Auto Power-Off  
energy saving mode

Quick Release  
fast material change-over

Composer Software  
intuitive user interface included

Open Material System  
use any suitable 3<sup>rd</sup> party material

Environmental Control  
reliable performance with every print

SPS Technology  
active layer control for consistent output

Lifetime Technical Support  
free and unlimited

Touch Screen Display  
for greater user convenience

High Power UVLED385nm  
for long term reliability and  
for printing water-clear materials

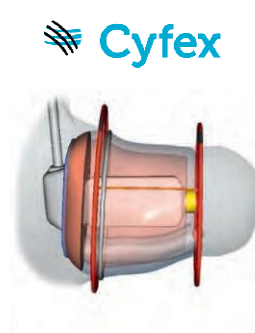
Internal Radiometer  
automatic LED power calibration

Complete your digital workflow  
with our industry leading partners.

### 3D Scanning of patient impression



### 3D Design earshell and earmold design



### 3D Printing in certified bio-compatible resins

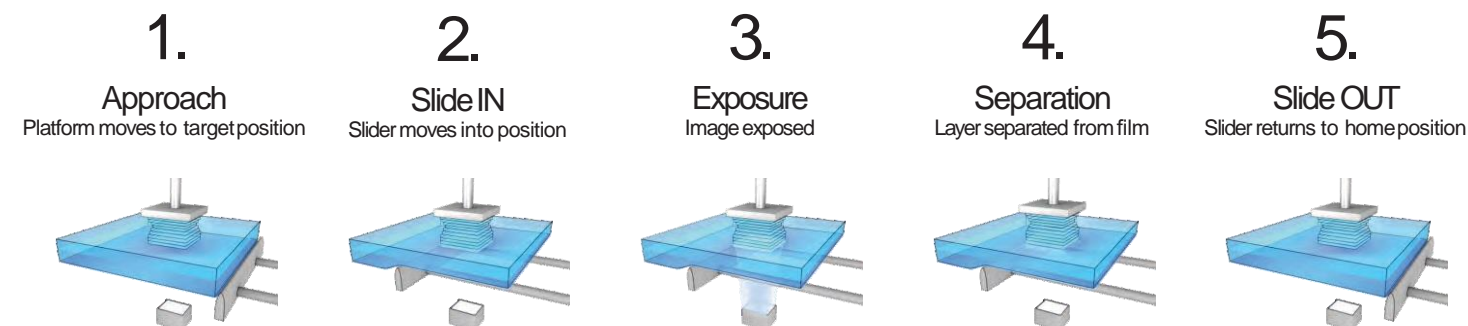


### The product.



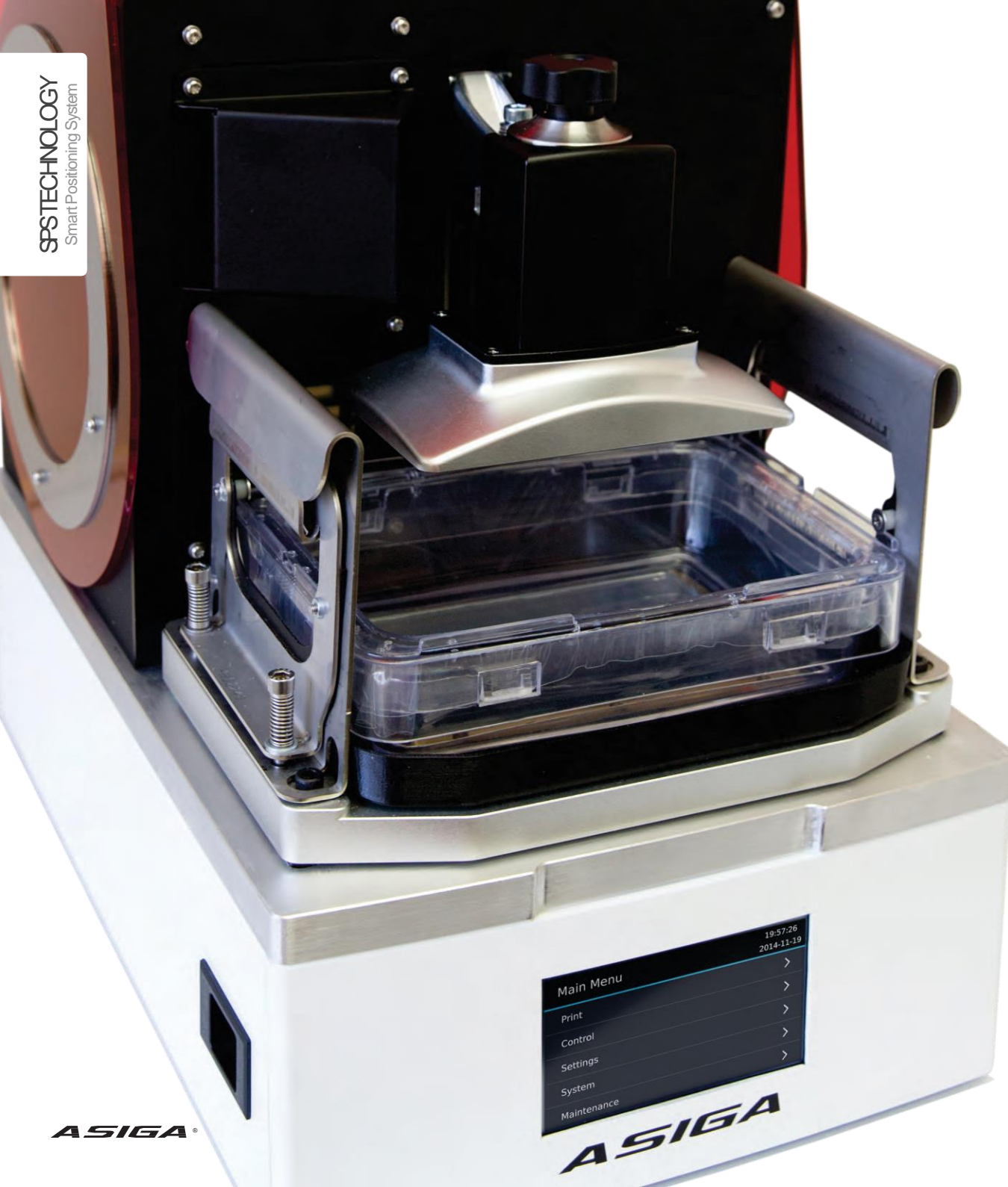
## Our Slide And Separate (SAS) Technology.

From the very beginning Asiga 3D printers have been built on our SAS technology which not only offers controlled layer formation but it also accommodates high viscosity materials.



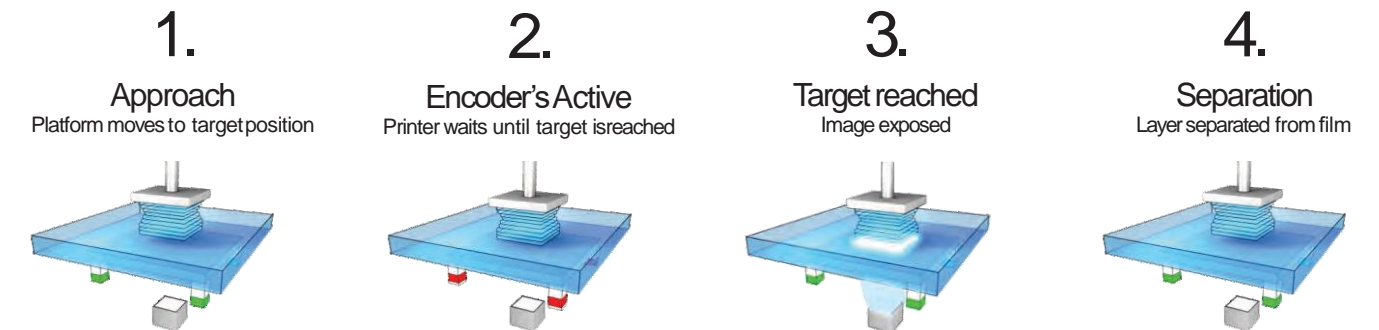
Print in SAS or Smart Slide mode to optimize your output in production.





## Our Smart Positioning System (SPS) Technology.

All MAX systems incorporate Asiga's proven SPSTechnology sensor array that guarantees every model layer is formed precisely in minimal time.



The result is precision, speed and reliability that your business can depend on.

# MAX Mini UV

## Accurate, reliable, affordable.

MAXMini UV delivers Asiga's latest SPS technology in an economical format ideal for lower volume audio laboratories. Manufacture earshells, earmoulds and soft earmould casts on the MAXMini UV in the latest biocompatible materials from any of the leading material manufacturers.

The MAXMini UV will produce 6,000+ shells/ moulds per year.



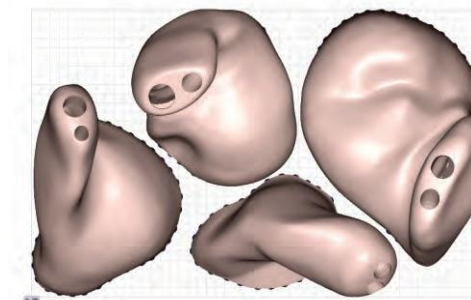
### Printer Performance

Print capacity	up to 4 earshells (size dependant)
Print speed - 25µm layers	1 hr
Print cost (USD)	\$weight/material dependant

### Printer Specification

Build size X,Y,Z	51.2 x 32 x 76mm* (2 x 1.26 x 3 inches)
Pixel size X,Y	39µm
Z resolution	Variable in 1µm increments
Light source	High-power UV 385nm LED
Material system	Open material system
File inputs	STL, SLC, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Audiology manufacturing
System size	260 x 380 x 370mm (10.2 x 15 x 14.5 inches)
System weight	16.5Kg (packaged 19Kg)
Packaged size/weight	410 x 500 x 480mm (18.1 x 22 x 19.7 inches)
Power	12VDC 10A

\* build envelope size may vary



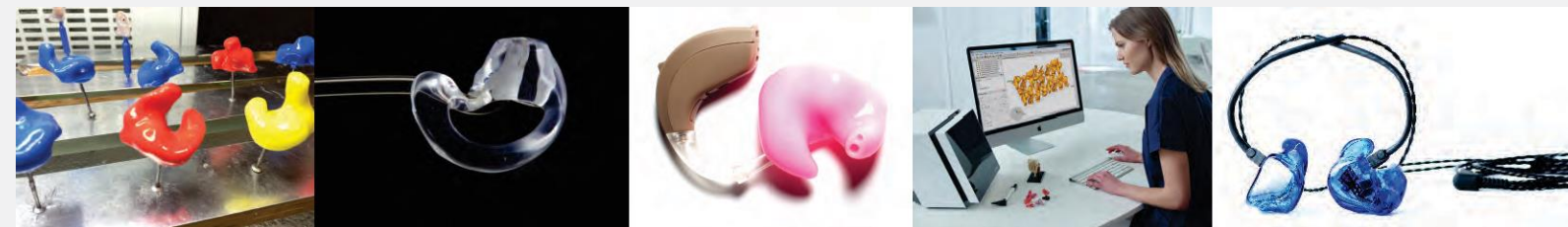


# MAX UV

## Minimum footprint, maximum productivity.

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

The MAX™ UV will produce 60,000+ shells / moulds per year. All Asiga printers are open to materials from any supplier for maximum flexibility and economy.



### Printer Performance

Print capacity	up to 22 earshells (size dependant)
Print speed - 25µm layers	50 minutes
Print cost (USD)	\$weight/material dependant



### Printer Specification

Build size X,Y,Z	119 x 67 x 76mm* (4.68 x 2.63 x 3 inches)
Pixel size X,Y	62µm
Z resolution	Variable in 1µm increments
Light source	High-power UV 385nm LED
Material system	Open material system
File inputs	STL, SLC, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Audiology manufacturing
System size	260 x 380 x 370mm (10.2 x 15 x 14.5 inches)
System weight	16.5Kg (packaged 19Kg)
Packaged size/weight	410 x 500 x 480mm (18.1 x 22 x 19.7 inches)
Power	12VDC 10A

\* build envelope size may vary

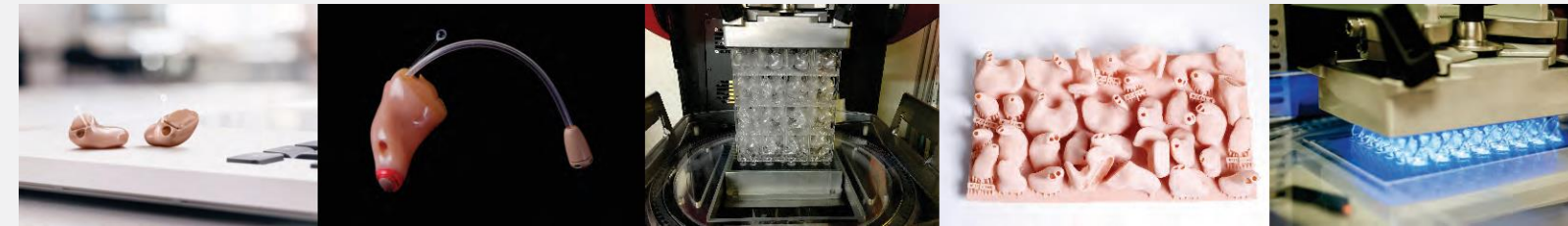


# PRO2

## The ultimate in volume audio production.

The Freeform PRO2™ is a production ready lab 3D printer for direct manufacturing of large volume earshells, earmoulds, and silicone earmoulds producing 80,000+ shells / moulds per year.

All PRO2™ systems are reconfigurable to 50µm, 62µm and 75µm pixel sizes, giving maximum flexibility to your laboratory. Utilizing our proven Slide-And-Separate™ technology for precise layer formation, build speed and repeatability.



### Printer Performance

Print capacity	up to 30 earshells (size dependant)
Print speed - 100µm layers	50 minutes
Print cost (USD)	\$weight/material dependant

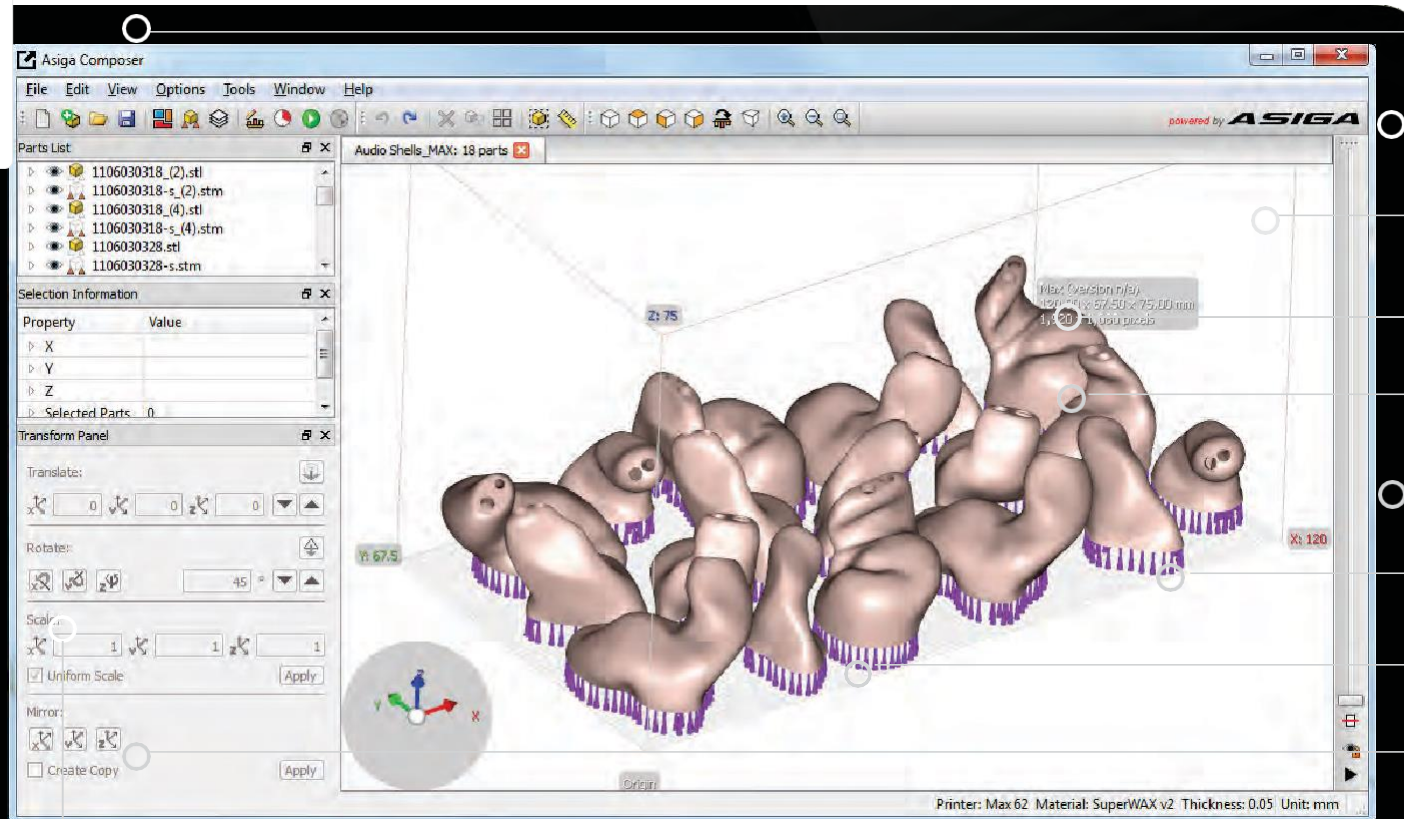
### Printer Specification

PRO250 UV Build size X, Y, Z	96 x 54 x 200mm* (3.7 x 2.1 x 7.87 inches)
PRO262 UV Build size X, Y, Z	119 x 67 x 200mm* (4.68 x 2.6 x 7.87 inches)
PRO275 UV Build size X, Y, Z	144 x 81 x 200mm* (5.66 x 3.1 x 7.87 inches)
Z resolution	Variable in 1µm increments
Light source	High-power UV 385nm LED
Material system	Open material system
File inputs	STL, SLC, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Audiology manufacturing
System size	450 x 490 x 800mm (18 x 19 x 31.5 inches)
System weight	40kg (packaged 55Kg)
Packaged size/weight	1020 x 570 x 850mm (40 x 22 x 33.4 inches)
Power	12VDC 10A

\* build envelope size may vary







**Auto-Supports**  
for greater user efficiency

**Remote Control**  
login to your 3D printer remotely

**Build Time Estimator**  
schedule workflow

**STL/ SLCor Both**  
load STL & SLC into the same build

**Flexible Supports**  
avoid support collisions

**Multi-Stacking**  
maximize Z height usage

**Dynamic Array**  
maximize build area usage

**Add Casting Sprue**  
streamline casting workflow

**Load Multiple Builds**  
onboard PC to store multiple builds

**Final Check**  
measurement tool

**License Free**  
free updates. forever.

**User Control**  
full user access to build settings

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

Multi-Operating System  
Apple, Windows & Linux



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





Open material system for printing with any suitable biocompatible material. Choose from leading 3D material manufacturers.

**DETAX**



pro**3d**ure  
medical

egger

**DeltaMed**  
TURNING IDEAS INTO MATERIALS



# ASIGA

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



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Affordable Digital Manufacturing, it's  
something Asiga invented.

**ASIGA**