



ASIGA®

**3D Printers for
Jewelry Manufacturing**

Repeatable precision for quality assurance and productivity.

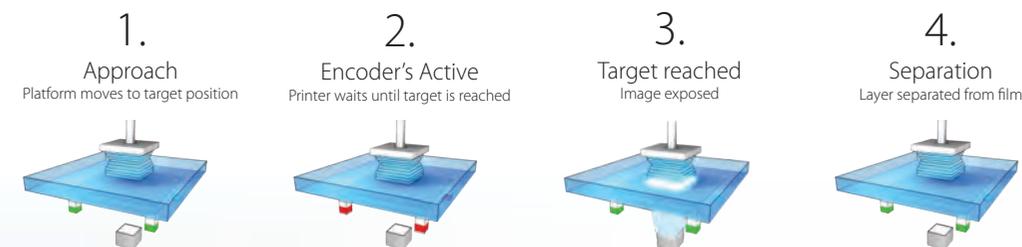


Being the creators of the precision desktop 3D printer market, we continue to offer precision, surface finish and product innovations designed to outperform any other.

Our Process Monitoring Technologies explained. These technologies ensure every layer is formed accurately resulting in a reliable output for quality assurance and productivity.

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 each build ensuring the correct light exposure is delivered for every layer.

High power 405nm LED

For fast and accurate processing of a wide range of jewelry materials.

Small pixel and accurate pixel placement

Pixel size and pixel placement are important for reproducing digital data accurately to achieve a high level of detail definition, surface smoothness and precision.

Precise material curing

An 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.

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

ASIGA[®]
WARNING
REMOVE ALL SOLID DEBRIS
FROM FILM BEFORE STARTING
NEXT BUILD

0.5L ●
1L ○
2L ○
5L ○
10L ○

PRO 4K

Floor Standing | Volume production



MAX X

Desktop | Highest Precision | Powerful

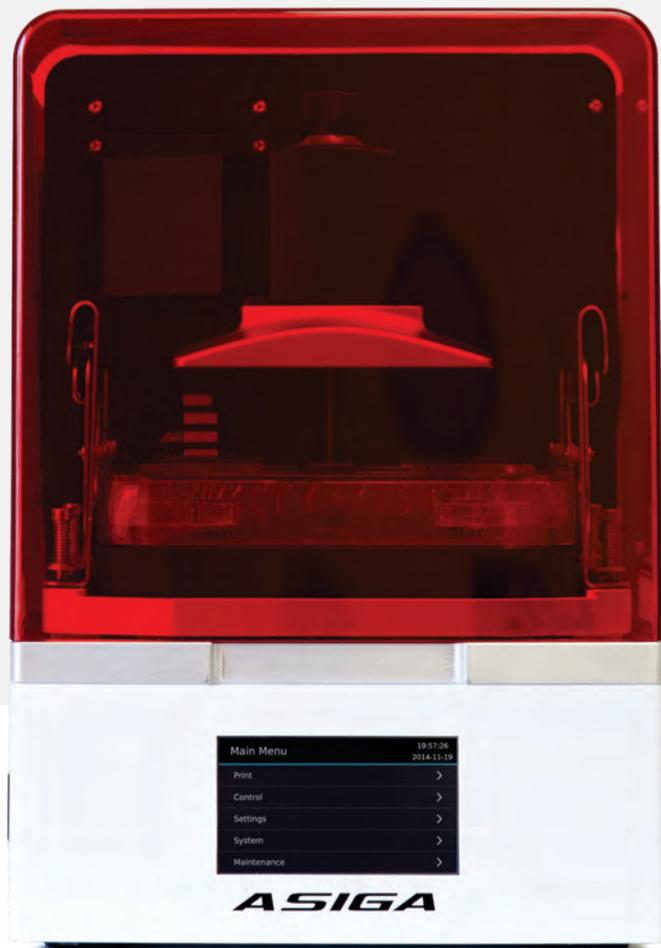


MAX

Desktop | Large Components | Compact



3D printers for jewelry manufacturing.



MAX

Volume production on your desktop.

Offering the largest print size in our desktop series, the MAX will reproduce the most delicate details for the production of jewelry patterns. The larger print volume accommodates bangles, watch components and large quantities of casting patterns in a single print.



Printer Performance

Print capacity	54+ rings (size dependant)
Print speed - 25µm layers	3 hrs (height of tallest piece 30mm)
Print cost (USD)	\$0.50 - \$2 per piece (weight/material dependant)

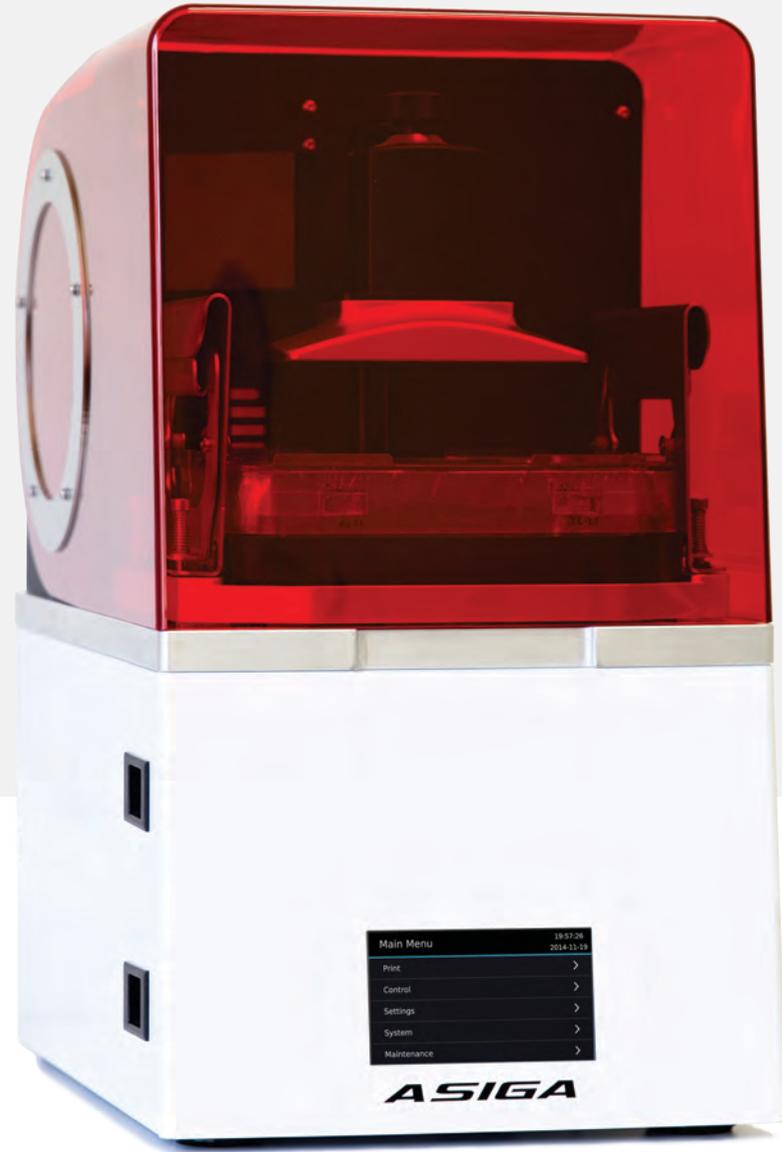


Printer Specification

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 405nm LED
Material system	Open material system
File inputs	STL, SLC, PLY, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Jewelry 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	100-240VAC, 50/60Hz, 2.0A MAX

* build envelope size may vary





MAX X

Flexible precision.

Flexible precision. The MAX X is Asiga's highest resolution jewelry production system with a re-configurable resolution of 27, 35 or 43 microns. This allows the system to be adapted to both extreme resolution and high productivity applications. Built on the extraordinary precision of Asiga's SPS Technology, the MAX X delivers performance, reliability and flexibility for jewelers and casting houses.



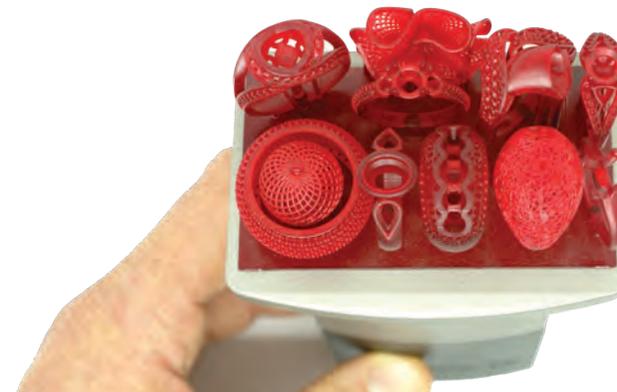
Printer Performance

Print capacity	up to 26 rings (ring size dependant)
Print speed - 25µm layers	3 hrs (height of tallest piece 30mm)
Print cost (USD)	\$0.50 - \$2 per piece (weight/material dependant)

Printer Specification

MAX X27 Build size X,Y,Z	51.8 x 29.1 x 76mm* (2 x 1.14 x 3 inches)
MAX X35 Build size X,Y,Z	67.2 x 38 x 76mm* (2.6 x 1.5 x 3 inches)
MAX X43 Build size X,Y,Z	82.5 x 46.4 x 76mm* (3.24 x 1.82 x 3 inches)
Z resolution	Variable in 1µm increments
Light source	High-power 405nm LED
Material system	Open material system
File inputs	STL, SLC, PLY, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Jewelry manufacturing
System size	260 x 380 x 505mm (10.2 x 15 x 19.8 inches)
System weight	19kg (packaged 21.5Kg)
Packaged size/weight	940 x 530 x 500mm (37 x 20.8 x 19.7 inches)
Power	100-240VAC, 50/60Hz, 2.0A MAX

* build envelope size may vary

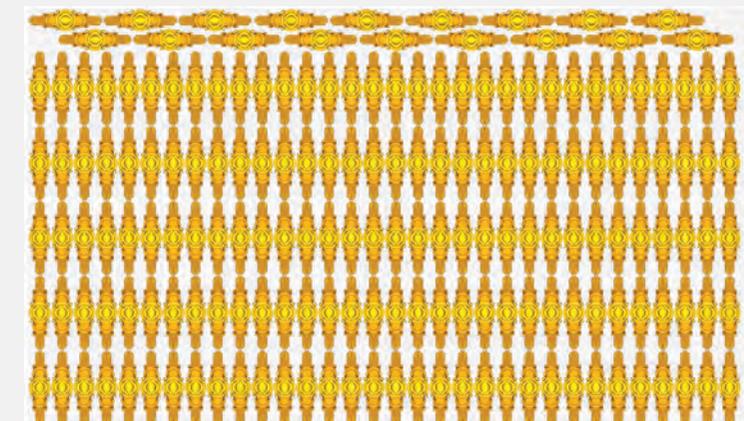




PRO 4K

The ultimate in volume production.

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. Available in two native pixel configurations depending on your production requirements.



Printer Performance

Print capacity	178 rings (size dependant)
Print speed - 25µm layers	3 hrs (height of tallest piece 30mm)
Print cost (USD)	\$0.50 - \$2 per piece (weight/material dependant)

Printer Specification

PRO 4K65 Build size X, Y, Z	176.5 x 99 x 200mm* (6.94 x 3.9 x 7.87 inches)
PRO 4K80 Build size X, Y, Z	217 x 122 x 200mm* (8.54 x 4.8 x 7.87 inches)
Z resolution	Variable in 1µm increments
Light source	High-power 405nm LED
Material system	Open material system
File inputs	STL, SLC, PLY, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Jewelry manufacturing
System size	465 x 420 x 1370mm (18.3 x 16.5 x 53.9 inches)
System weight	130kg (packaged 150Kg)
Packaged size/weight	975 x 735 x 1590mm (38.3 x 28.9 x 62.6 inches)
Power	100-240VAC, 50/60Hz, 500 Watts
<small>* build envelope size may vary</small>	(100V - 5Amp Max. 240V - 2.1Amp)

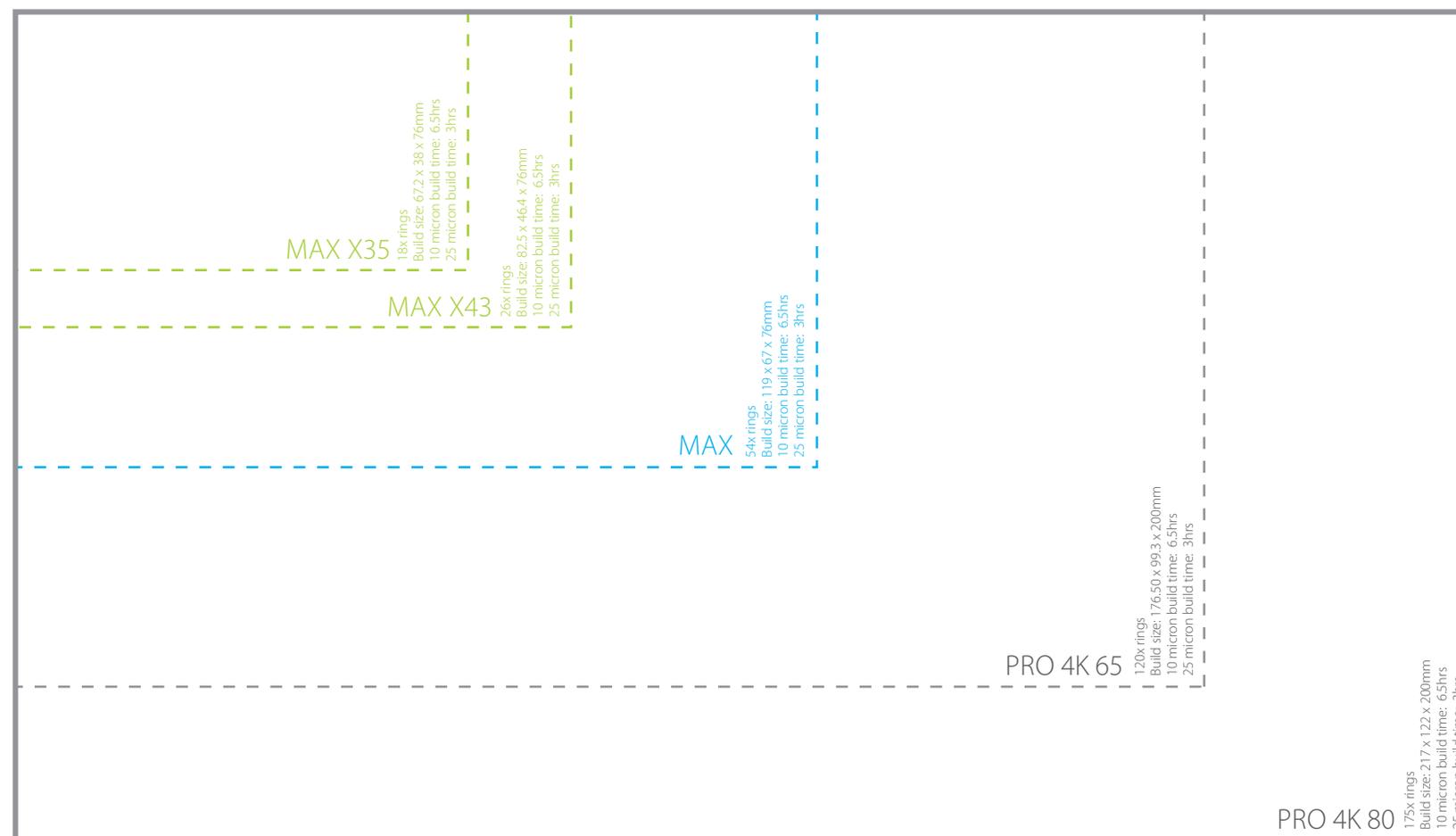


Which Asiga 3D printer is for you?

Select your Asiga 3D printer by considering both detail definition and available X,Y, Z build area.

Calculations approximate based on printing the following sample ring.

Ring Size X, Y, Z: 22 x 6.5 x 27mm



3D printing materials for jewelry manufacturing,
from casting wax to rubber molding.

SuperCAST^{HD}

Direct Casting
Resin material
for Gold Alloys



SuperWAX

Direct Casting
WAX material for
Platinum, Gold Alloys



SuperCAST

Direct Casting
Resin material
for Gold Alloys



FusionGRAY

Vulcanized
Rubber Molds
& RTV

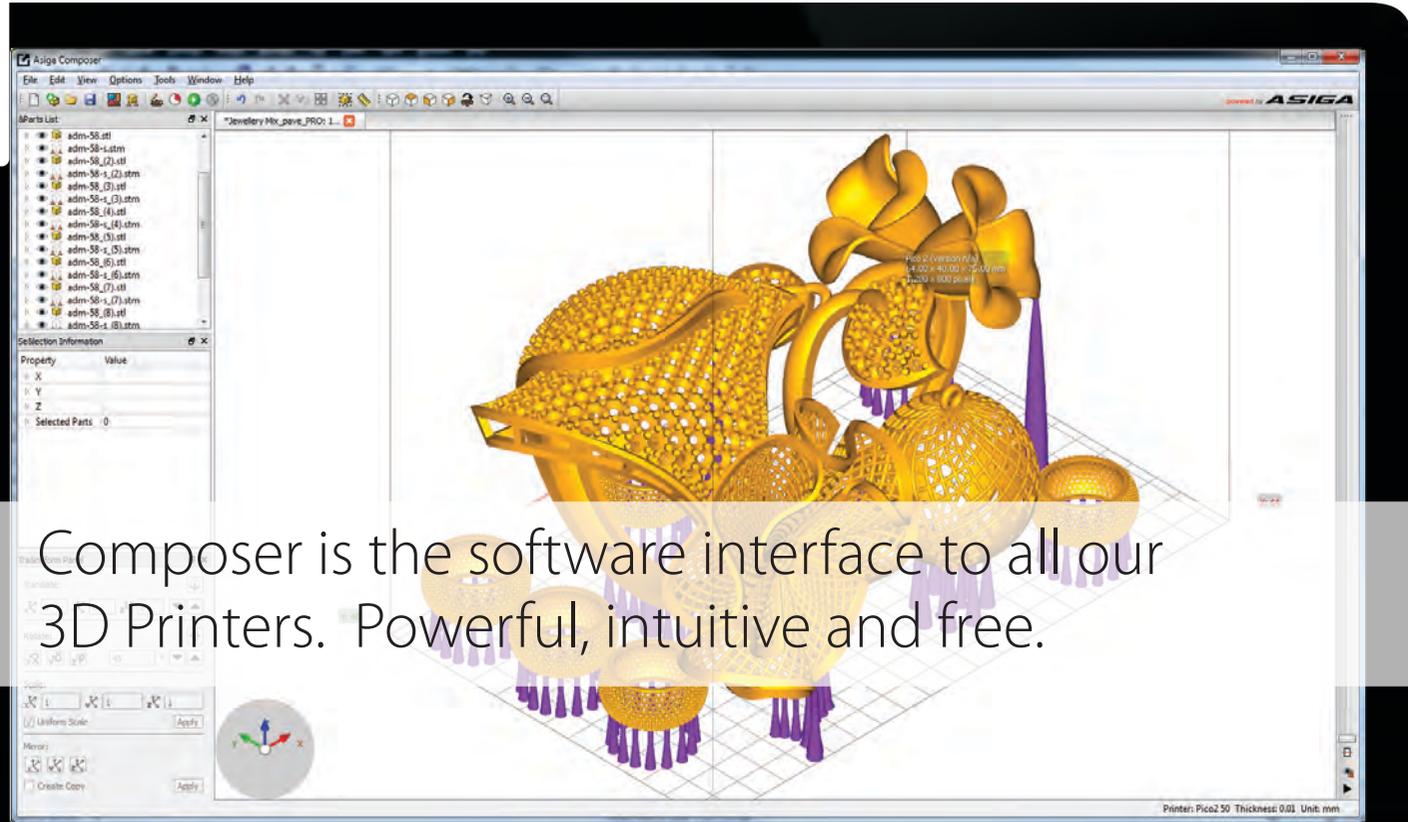


Our Open Material System allows for printing with
any suitable material from any material manufacturer.



Materials available in both 500ml & 1l bottle sizes





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



ASIGA

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

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.

Asiga Australia (HQ)
 2, 19-21 Bourke Road
 Alexandria, Sydney 2015
 Australia
 TEL: +61 2 9690 2737

Asiga Germany
 Kraempferstr. 4
 99084, Erfurt
 Germany
 TEL: +49 361 5506 6866

Asiga USA
 TOLL FREE: +1 877 689 99 98

info@asiga.com
 www.asiga.com

