MAPTEC
COMPUTER SYSTEMS
MANUFACTURING *TOMORROW*

ASIGA®
www.asiga.com

3D Printers for
Digital Jewelry
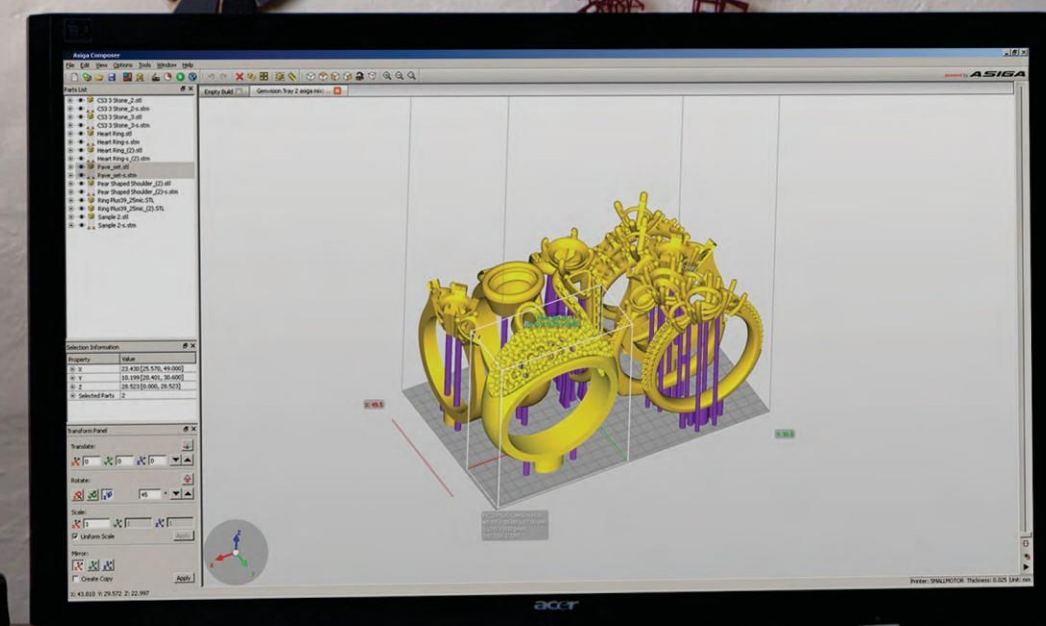Manufacturing.

MAPTEC COMPUTER SYSTEMS

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.
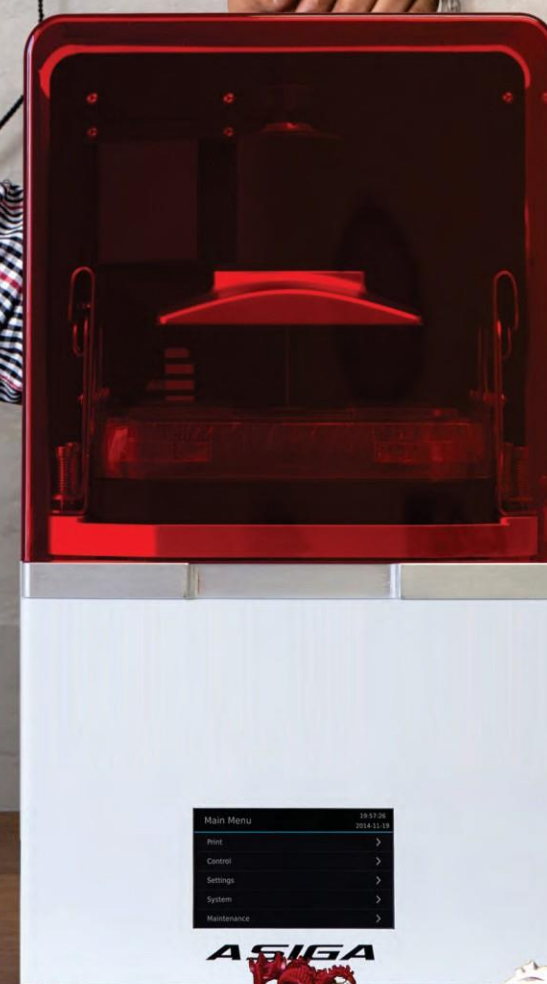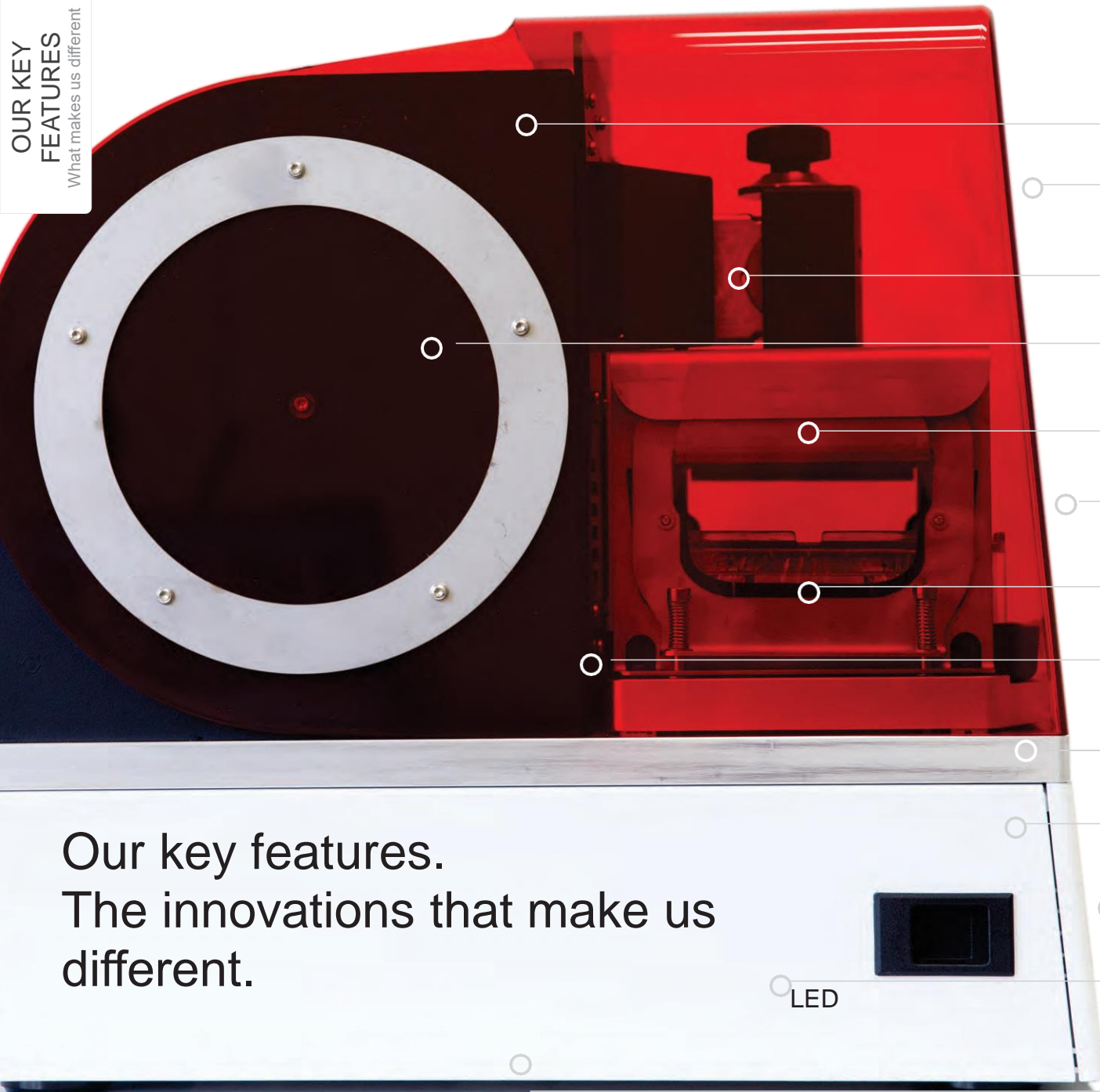
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COMPUTER SYSTEMS

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MAPTEC
COMPUTER SYSTEMS

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 3ʳ party material

Environmental Control
reliable performance with every print

SPS Technology
active layer control for consistent output

Lifetime Technical Support
free and unlimited

Our key features.
The innovations that make us
different.
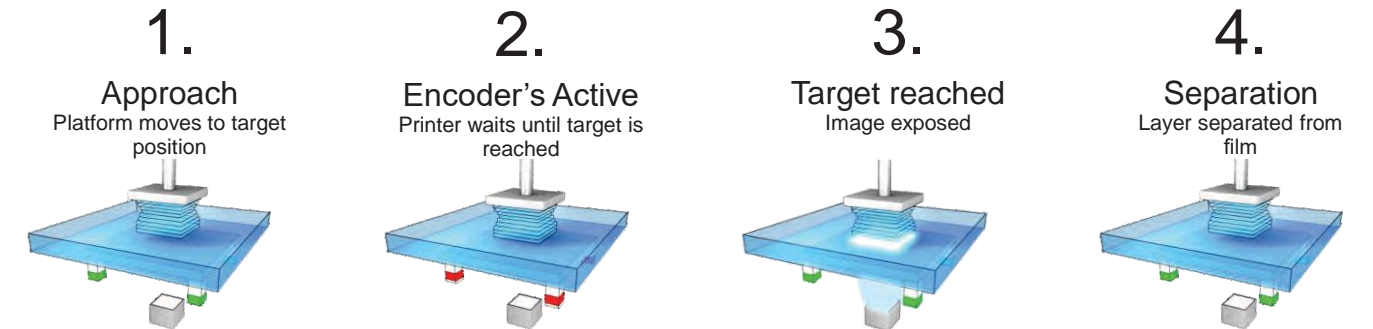
Touch Screen Display
for greater user convenience

High Power UV

for long term reliability

LED

Internal Radiometer
automatic LED power calibration
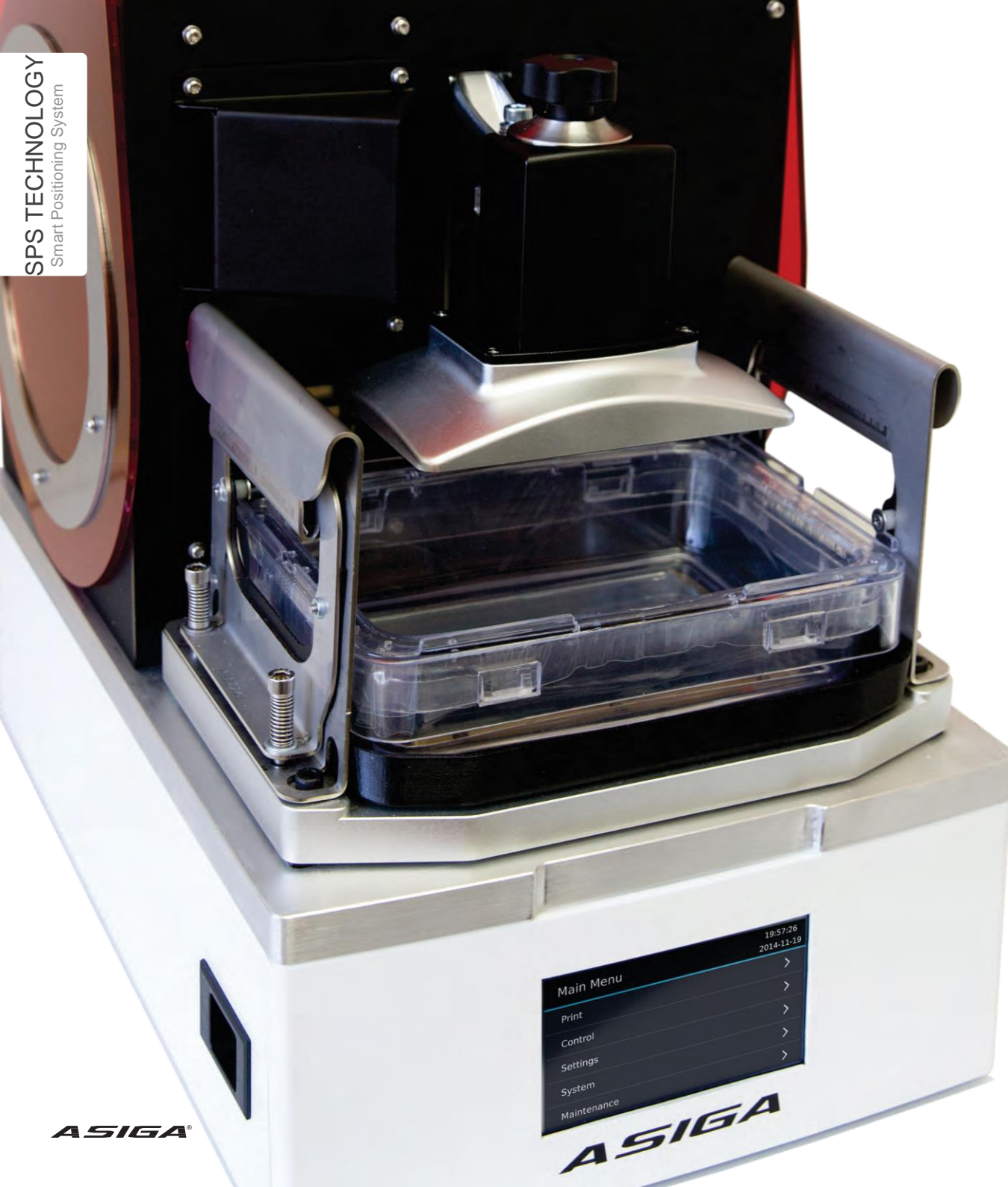
ASIGA

Our Smart Positioning System (SPS) Technology.

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

1.	2.	3.	4.
Approach	**Encoder's Active**	**Target reached**	**Separation**
Platform moves to target position	Printer waits until target is reached	Image exposed	Layer separated from film

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

MAPTEC
COMPUTER SYSTEMS

M A X
M i n i

Accurate, reliable, affordable.

MAXMini delivers Asiga's latest SPS technology in an economical format ideal for jewelry studios. Perfect for rapid production of jewelry casting patterns, rubber mold masters and visualization models.
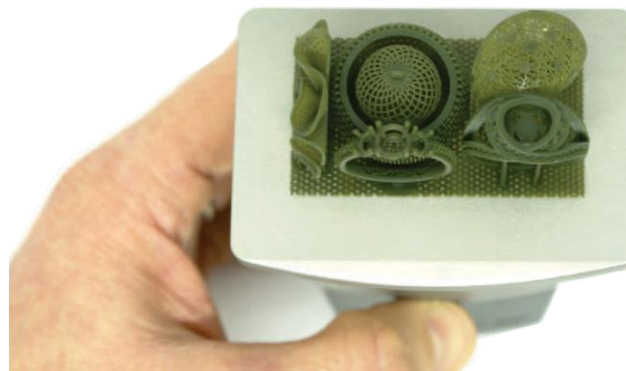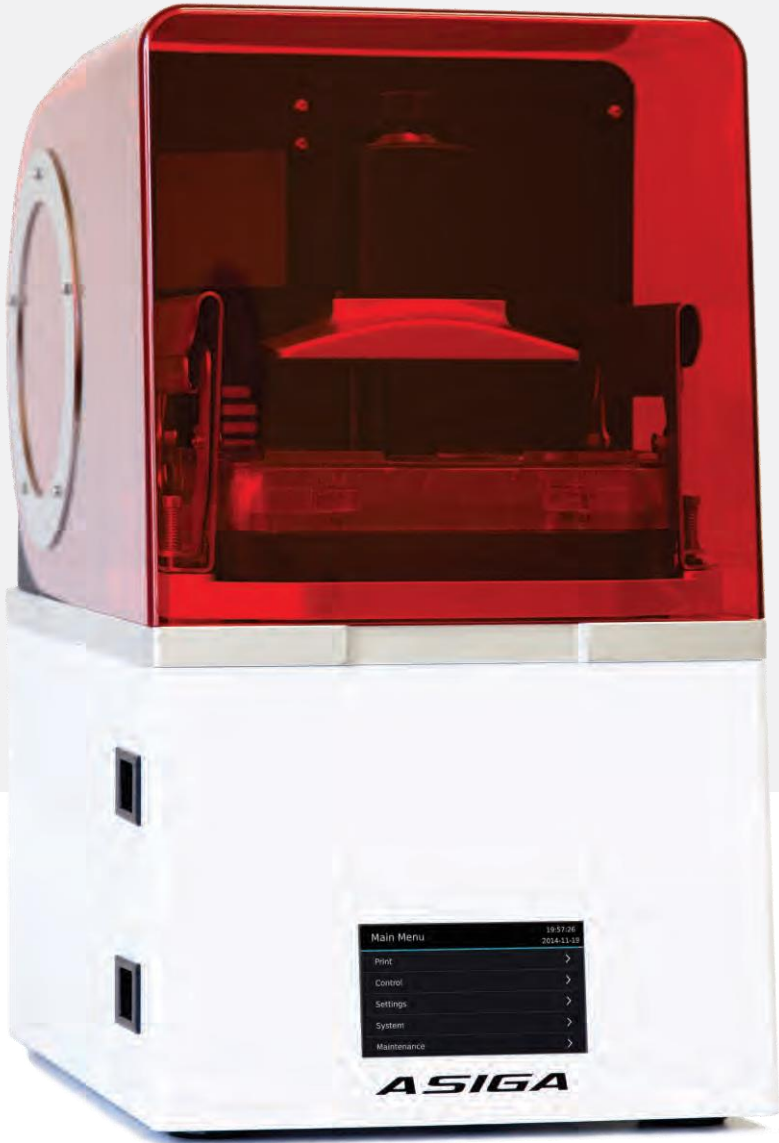
1hr
15 rings

Printer Performance

Print capacity	up to 15 rings (size dependant)
Print speed - 25μm layers	3.5 hrs (height of tallest piece 30mm)
Print cost (USD)	$0.50 - $2 per piece (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 405nm LED
Material system	Open material system
File inputs	STL, SLC, 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	12VDC 10A

* build envelope size may vary

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M A X
X

1hr
40 rings

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 40 rings (ring size dependant)
Print speed - 25μm layers	3.5 hrs (height of tallest piece 30mm)
Print cost (USD) dependant)	$0.50 - $2 per piece (weight/material

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, STM
Software	Asiga Composer (included)
Network compatibility	Wifi, Wireless direct, Ethernet
Industry sectors	Jewelry manufacturing
System size inches)	260 x 380 x 505mm (10.2 x 15 x 19.8
System weight	19kg (packaged 21.5Kg)
Packaged size/weight	940 x 530 x 500mm (37 x 20.8 x 19.7 inches)
Power	12VDC 10A

* build envelope size may vary

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M A X

Volume production on your desktop.

The MAX offers Asiga's largest build envelope with the delicate precision required for the production of beautiful jewelry patterns. The larger print volume allows jewelers, artists and casting houses to produce sculptures, bangles, and large quantities of casting patterns in a single print.

1hr
80 rings

Printer Performance

Print capacity	up to 80 rings (size dependant)
Print speed - 25μm layers	3.5 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, 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 12VDC 10A

* build envelope size may vary

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Which Asiga MAX is for you?

MAXMini

11x rings
Build size: 51.2 x 32 x 76mm (2 x 1.26 x 3 inches) 10 micron build time: 8hrs
25 micron build time: 3.5hrs

MAX X27

9x rings
Build size: 51.8 x 29.1 x 76mm (2 x 1.14 x 3 inches)
10 micron build time: 8hrs
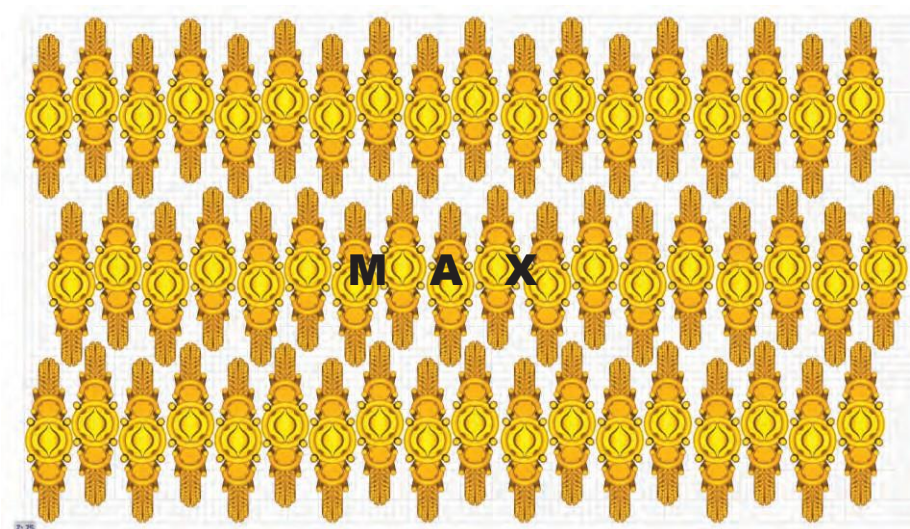25 micron build time: 3.5hrs

MAX X35

18x rings
Build size: 67.2 x 38 x 76mm (2.6 x 1.5 x 3 inches)
10 micron build time: 8hrs
25 micron build time: 3.5hrs

MAX X43

26x rings
Build size: 82.5 x 46.4 x 76mm (3.24 x 1.82 x 3 inches)
10 micron build time: 8hrs
25 micron build time: 3.5hrs

MAX

54x rings
Build size: 119 x 67 x 76mm* (4.68 x 2.63 x 3 inches)
10 micron build time: 8hrs
25 micron build time: 3.5hrs

Calculations approximate based on printing the Asiga sample ring
X, Y, Z: 22 x 6.5 x 27mm

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

*Super*CAST ᴴᴰ

Direct Casting Resin material for Gold Alloys

*Super*WAX

Direct Casting WAX material for Platinum, Gold Alloys

*Super*CAST

Direct Casting Resin material for Gold Alloys
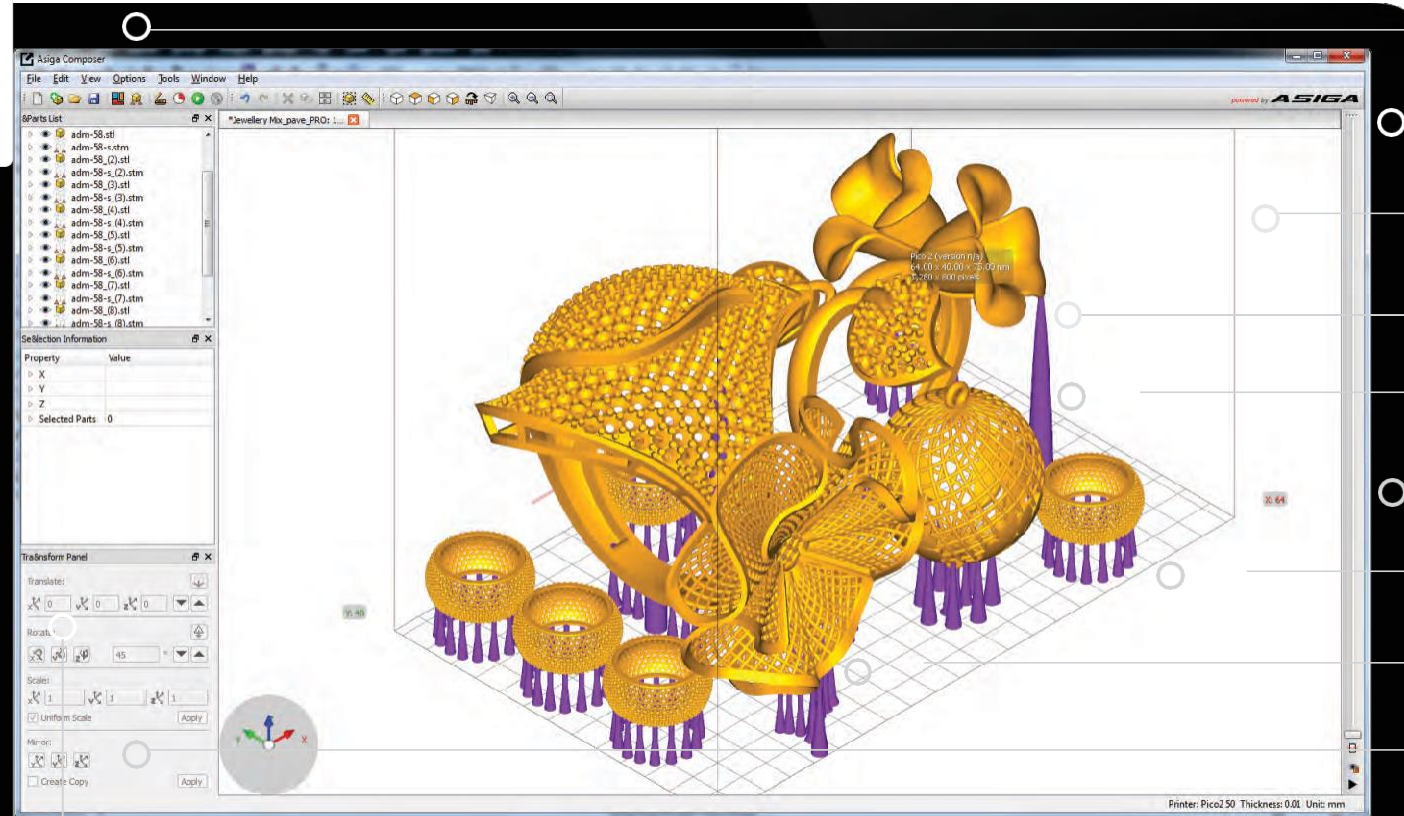

*Fusion*GRAY

Vulcanized Rubber Molds & RTV

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

1000m   500m   ○————○   Available in both 500ml & 1l bottle sizes

ASIGA®

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MAPTEC
COMPUTER SYSTEMS

Auto-Supports
for greater user efficiency

Remote Control
login to your 3D printer remotely

Build Time Estimator
schedule workflow

STL / SLC or 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

macOS Microsoft Windows Linux

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ASIGA

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

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MANUFACTURING *TOMORROW*

Affordable Digital Manufacturing,
it's something Asiga invented.

U.A.E.Office:
Office 701, Wasl Business Centre
Port Saeed, Deira, Dubai
United Arab Emirates
P.O. Box 98617
Tel:+971 4 251 7734
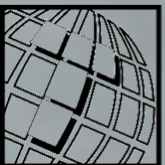**Fax:**+971 4 251 7736
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