PRO2

Professional Desktop 3D Printer

High Volume Digital Production

The Asiga PRO2™ series of professional 3D printers offer speed, high-resolution and reliability in demanding production environments.
Available in either UV 385nm or 405nm LED configurations.

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Slide and Separate™ Technology

Asiga's proprietary Slide and Separate (SAS™) technology breaks new ground in the Freeform PRO2™, allowing a large build area whilst maintaining the lowest fabrication forces of any upside-down stereolithography system. The result is minimal support structures and reliable accuracy for demanding direct manufacturing applications.

Widest Material Capability

SAS™ technology and the Open Material System permits the widest material processing capability of any 3D printer in its class. Wax polymers for investment casting, biocompatible polymers for prosthetics, and tough plastics for durable functional parts are available.

385nm UV LED Option

With the option of a 385nm LED a wide range of bio-compatible materials are now available.

Brushless Servo Precision

Closed-loop brushless servo control of the Z-axis permits arbitrary resolutions in 1 micron increments with 200 nanometre resolution, making the PRO2™ unparalleled in accuracy, repeatability and reliability.

Environmental Control

Chamber temperature control is standard on all systems for reliable and repeatable performance in any environment.

Internal Radiometer

An internal radiometer for automatic calibration of the light source ensures long-term reliability and low-maintenance.

Full Parameter Control

All build parameters are editable by the user, making the PRO™ the most flexible system for demanding production, research and development applications. Composer software included.

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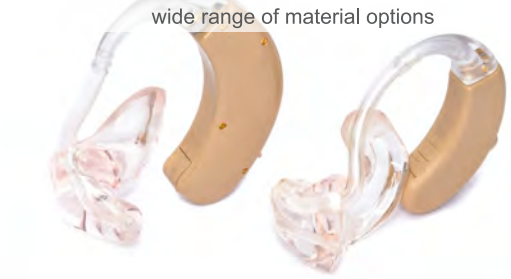
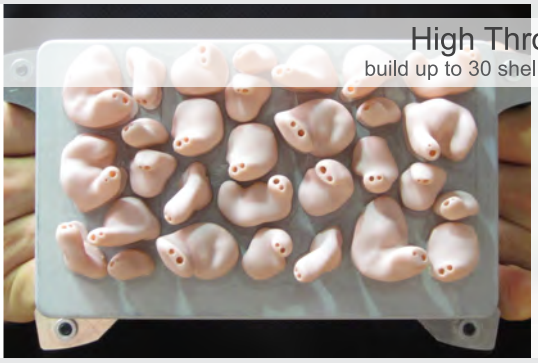
Clear Earmoulds and Shells
wide range of material options



High Throughput
build up to 30 shells on the PRO75



Greater Manufacturing Efficiencies
build up 70+ rings on the PRO75

Remarkable Resolution
for precision, detail and quality of finish

High Temperature Materials
for vulcanized rubber molding

Framework Production
maximise output, minimise waste

Greater Lab Efficiencies
build up to 4 cases on the PRO75

Surgical Guides
when accuracy matters

Open Material System
use any 3rd party material

Technical Data

	PRO2-50	PRO2-75	PRO2-95
PIXEL SIZE X,Y	50 µm	75 µm	95 µm
BUILD SIZE X Y, Z*	96 x 54 x 200mm*	144 x 81 x 200mm*	121.6 x 76 x 200mm*
Z RESOLUTION	VARIABLE IN 1 µm		
LIGHT SOURCE	**385nm UV or 405nm** HIGH POWER LED		
MATERIAL SYSTEM	OPEN - USE ANY 3rd PARTY MATERIAL		
FILE INPUTS	STL, SLC, STM		
SOFTWARE	COMPOSER INCLUDED		
NETWORK COMPATIBILITY	WIFI & ETHERNET		
INDUSTRY SECTORS	AUDIOLOGY, DENTAL, JEWELRY, MANUFACTURING		
SYSTEM SIZE	450 x 490 x 800mm		
SYSTEM WEIGHT	34Kg		
PACKAGED SIZE/WEIGHT	550 x 590 x 900mm / 45Kg		
POWER	12VDC 10A		

* build envelope size may vary

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https://www.asiga.com/company/partners/