Perfactory®

Apollo PLUS

The Apollo PLUS is the new desktop 3D jewelry printer with an enlarged build envelope for customized jewelry with an unbeatable price to performance ratio. The Apollo PLUS is the perfect choice for the small to medium sized company looking to fulfill their 3D printing production requirements. With the ability to run unattended, 24 hour production is achievable at incredible high speeds. The Apollo PLUS can run a variety of materials for direct casting, hot rubber, and silicone molding. There are no limits to geometric complexity as long as the item has been designed in a 3D CAD program and may be exported as an STL file. The machines are delivered and installed with all the relevant software to enable automatic support generation and perfect model production. Resolution and surface finish remains constant over the entire build area due to patented technology based on voxelisation.

Machine Properties *	Perfactory® Apollo 3D Printer
Build Envelope	3.94" x 2.95" x 3.15" (100 x 75 x 80 mm)
Projector Resolution	1400 x 1050 pixels
Native Pixel Size	.0028" (71 µm)
Virtual Pixel Size	.0014" (36 µm)
Dynamic Voxel Resolution in Z (material dependent)**	.0009" (25 µm) to .0059" (150 µm)
Data Handling	STL
Warranty	1 Year Included

* Specifications are subject to change without notice. ** A voxel is a volumetric pixel.

Materials Available	Ideal Usage
R5, R5 Gray, R11	Cold silicone molding with high resolution
PIC 100, PIC 100G	Direct casting
WIC 100G	Direct casting
EC500	Direct casting
RCP30, RC 31, Photosilver, RC70, RC90	HTV molding
HTM140	HTV molding with minimal post finishing
EPIC	Direct casting

System Properties

- » Easy handling through pre-adjusted material modules
- » Build speed is constant through the build up to 0.12" (3mm) to 0.28" (7mm) per hour at 35 µm (0.0014") Z-voxel thickness (material dependent)
- » Very few moving parts and minimal consumable components guarantee a strong and reliable system
- » Utilizing a built in ethernet interface, can connect directly to a PC workstation or be integrated into a network
- » Changeover between materials is done quickly and easily

Footprint (L x W x H): 55 x 45 x 89 cm (21.7 x 17.7 x 35.0 in.)
Weight: 35 kg
Electrical Requirements: 100-120V, 2Amp
220-240V, 1 Amp
Patents Pending

EnvisionTEC GmbH
Brüsseler Straße • 51 D-45968
Gladbeck • Germany
Phone +49 2043 9875-0
Fax +49 2043 9875-99

EnvisionTEC, Inc.
15162 S. Commerce Dr
Dearborn, MI 48120 • USA
Phone +1-313-436-4300
Fax +1-313-436-4303

envisiontec.com
info@envisiontec.com