Perfactory®

Aureus PLUS

The Aureus PLUS is an enhanced version of EnvisionTEC's best-selling machine for the low production of customized jewelry. With its unbeatable price to performance ratio the Aureus PLUS is the perfect choice for the small to medium sized company looking to fill their 3D printing production requirements. Round-the-clock production is achievable due to the ability to run unattended, and with the significant speed increase in the Aureus PLUS model, production is greatly increased as well. The Aureus PLUS can run a variety of materials for direct casting, hot rubber, and silicone molding. As a new advantage, EC3000 may be run by the Aureus PLUS as well. 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® Aureus PLUS 3D Printer
Build Envelope	2.36" x 1.71" x 3.15" (60 x 45 x 80 mm)
Projector Resolution	1400 x 1050 pixels
Native Pixel Size	0.0017" (43 µm)
Dynamic Voxel Resolution in Z (material dependent)**	0.0010" (25 µm) to 0.0014" (35 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
R11	Cold silicone molding with high resolution
PIC 100	Direct casting
RC70, RC90	HTV Molding
HTM140	HTV Molding with minimal post finishing
EC3000	Direct casting

System Properties

» Easy handling through pre-adjusted material modules
» Build speed is constant through the build up to 16.5 mm/hour (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): 17.72" x 30.71" x 17.72"
                        (45 x 78 x 45 cm)
Weight: 77.16 lbs (35 kg)
Electrical Requirements: 100-120V, 2Amp
                          220-240V, 1Amp

Patents Pending

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