



Aureus

The Aureus is the best-selling machine for the low production of customized jewelry with its unbeatable price to performance ratio. The Aureus is the perfect choice for the small to medium sized company looking to fill their 3D printing production requirements. With the ability to run unattended, 24 hour production is achievable. The Aureus 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® Aureus 3D Printer
Build Envelope	2.36" x 1.71" x 3.94" (60 x 45 x 100 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
R5, R5 Gray, R11	Cold silicone molding with high resolution
PIC 100, PIC 100G, EPIC	Direct casting
WIC 100G	Direct Casting
EC500	Direct Casting
RCP30, Photosilver, RC31, RC70, RC90	HTV Molding
HTM140	HTV Molding with minimal post finishing

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 0.0014" (35 µm) 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): 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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