



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. The Aureus can build 8-12 pieces every 5 hours. 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)

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

Materials Available	Ideal for
R5/R11	Cold silicone molding with high resolution
PIC 100/100G	Direct casting
WIC 100G	Direct Casting
EC500	Direct Casting
RCP30/130	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, the Aureus can connect directly to a PC workstation or be integrated into a network
- » Any STL data format can be easily imported using the Aureus Software Suite.

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



Rapid 3D JV (Pty) Ltd
 www.rapid3d.co.za / www.rapid3dparts.co.za

Tel: (+27) 0861 000 185
 sales@rapid3d.co.za

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

www.envisiontec.com
 info@envisiontec.com