

Perfactory®

Micro HiRes

The Perfactory® Micro HiRes is the smallest professional-grade desktop 3D printer in size with the highest resolution. It is a low cost, easy maintenance and user friendly personal desktop 3D manufacturing system, designed for producing high quality models. Using state-of-the-art Direct Light Projection technology from Texas Instruments® coupled with LED performance, the Perfactory® Micro HiRes System allows access to a top quality professional grade prototyping system that can produce highly detailed physical 3D duplications of projects that have been created in a CAD environment or downloaded from design files on the internet. Utilizing a built-in USB connection, the Perfactory® Micro HiRes can connect directly to your PC workstation and works just like a personal desktop printer.

| Machine Properties * | Perfactory® Micro HiRes 3D Printer |
|------------------------------------------------------|------------------------------------------|
| Build Envelope | 1.58" x 1.18" x 3.94" (40 x 30 x 100 mm) |
| Resolution in X and Y | 0.0012" (31 µm) |
| Dynamic Voxel Resolution in Z (material dependent)** | 0.0010" to 0.0014" (25 µm to 35 µm) |
| Light Source | LED |
| Data Handling | STL |
| Warranty | 1 year in factory parts and labor |

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

| Materials Available | Ideal for |
|---------------------|-----------------------------------------|
| PIC 100 M | Direct casting |
| EC500 M | Direct Casting |
| HTM140 M | HTV Molding with minimal post finishing |
| ABS Tough M | High impact general purpose material |
| EPIC M | Direct Casting |

System Properties

- » Easy handling through pre-adjusted material modules
- » Very few moving parts and minimal consumable components guarantee a strong and reliable system
- » Any STL data format can be easily imported using the Perfactory® Micro Software Suite.
- » Fully automated self-calibrating system.

Footprint (L x W x H): 9" x 8" x 24" (23 x 18 x 58 cm)
 Weight: 28.66 lbs (13 kg)
 Electrical Requirements: 100-120V, 3 Amps
 220-240V, 2 Amps

Patents Pending



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