



Micro Ortho

The Perfactory® Micro Ortho is the smallest professional desktop 3D printer in size with the highest resolution. It is a low cost, easy maintenance and user friendly desktop 3D manufacturing system, designed for producing highly accurate dental models for use in producing high quality orthodontic appliances in an office environment. The surface quality of the printed models allows for a clear aligner to be produced with no signs of stairstepping, which is visible when using competing technologies. The models produced are very stable over time with superb surface finish guaranteeing a perfect snap fit. The model material is a high temperature resistant material which allows for the production of a clear aligner without any distortion in the model during vacuum forming under heat.

Machine Properties *	Perfactory® Micro Ortho 3D Printer
Build Envelope	4" x 3" x 4" (100 x 75 x 100 mm)
XY Resolution	0.0039" (98 µm)
Dynamic Z Resolution**	0.002" to 0.004" (50 µm to 100 µm)
Build Speed	Up to 0.79" (20 mm)/hour for full envelope**
Light Source	LED
Data Handling	STL
Warranty	1 year back to factory including parts and labor

* Specifications are subject to change without notice. **Material Dependent.

Materials Available	Ideal for
Ortho Tough M	Rigid stable models for vacuum suckdown aligners
E-Denstone M Peach	Dental models for producing orthodontic appliances

System Properties

- » Office friendly desktop 3D printer
- » Plug and play 3D printer with easy to use software interface
- » Very few moving parts guarantees a strong and reliable production system
- » Fully automated self-calibrating system
- » Ideal for producing high quality dental models for orthodontic appliances with a consistently perfect fit
- » Build 3 full arch models flat down in 45 minutes or up to 7 models straight up in less than 4 hours**
- » Average price per full arch model is \$3-\$5

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



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