

Large Format DLP® 3D printer

Industrial-grade 3D printer: hardware, firmware and software integrated for optimum performance. Prints entire layers within seconds for fast build times, independent of layer complexity.

Exceptional Accuracy

The combination of proprietary hardware, firmware and software allows Henkel to achieve an unparalleled accuracy after Tolerance Tuning. Extremely homogeneous irradiance provided by the combination of high-quality multi-lens optical system with unique firmware compensation.

Open Material Platform

Pre-calibrated settings for all approved LOCTITE® Resins. Can also accept wide range of other 3DP resins as well.

Large Build Platform

The large build platform allows manufacturing an entire range of components in a single run, which can be all the same - or unique. Multiple components can be produced at the same time without influencing build speed.

Supports Generation

Included slicing software can automatically generate a support grid structure for your application. Additionally, the software is capable to create manual support structures to optimize for specific geometry.



EQ PR10.1 DLP Printer
2416987**Product Features**

- Print Resolution X and Y Axis: 100 µm
- Print Resolution Z axis (Layer Thickness): 12 µm - 100 µm (resin dependent)
- Build Envelope (X, Y, Z): 192 mm x 108 mm x 250 mm
- Printing speed: 17 mm/hour (with **LOCTITE 3D 3830 C™** resin at 100 µm resolution)
- Pre-calibrated settings for all approved LOCTITE® Resins
- PC based slicer software for STL files, (requires min. Windows® 10)
- Easily accessible USB interface
- Option for fume hood connection
- CE-approved by UL-International.

Product Benefits


- Powerful 405 nm UV LED engine enables fast printing. Efficient heat-pipe cooling system allows for long lifetime.
- High quality, monochromatic optical system, optimized for 405 nm drives excellent build area uniformity
- High precision, robust z-axis system with dual guide rails allows for printing of large parts and high print accuracy.
- High chemical resistance resin tray with PTFE coating results in lower cost of ownership

Technical Data

- Power supply: 110 V AC 60 Hz – 240 V AC 50 Hz, 200 W
- Projector: Full HD 1920 x 1080 pixels
- Maximum stroke of z-axis: 280 mm
- Overall Dimensions W x D x H (cm): 49 x 42 x 170 (incl. base)
- Weight: approx. 56 kg
- Operating Temperature: 17° - 27°C, optimal: 22° C (71°F)
- Typical tray lifetime: 50,000 print layers
- Expected LED lamp life time: 20,000 h

Included accessories

- | IDH # | Description |
|-----------|--|
| ● 2312291 | EQ PR10 Resin Tray |
| ● 2312293 | EQ PR10 Build Platform |
| ● 2312295 | EQ PR10 Starter Kit (spatula, resin puller, resin cure flashlight, funnel with filter) |
| ● | Offline-programming software (USB-stick, license for 1 year) |
| ● | Metal base cabinet |

Included items	Picture
<ul style="list-style-type: none"> ● 2312291 EQ PR10 Resin Tray <p>Note: it is recommended to purchase 3 additional resin trays as spares</p>	
<ul style="list-style-type: none"> ● 2312293 EQ PR10 Build Platform <p>Note: It is recommended to purchase one extra build platform as spare</p>	
<ul style="list-style-type: none"> ● Safety tray, built in 	
<ul style="list-style-type: none"> ● Offline-programming software on USB-stick 	
<ul style="list-style-type: none"> ● Starter Kit, shown here only curing flashlight 	

Note

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