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.

Open Material Platform

Pre-calibrated settings for all approved LOCTITE® Resins. Can also accept 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.

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

Product Benefits

- Powerful 405 nm UV LED engine enables
  fast printing
- High quality optical system with efficient
  heat-pipe cooling system 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

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