



VOCO 3D printer – SoIFlex 170 HD

GENERATIVE PRODUCTION IN DENTAL LABORATORIES AND PRACTICES

SolFlex 170 HD

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Whether you want to produce splints, dental surgical guides, dental models or denture bases, the 3D printers of VOCO combine a high quality 3D printing with a wide range of certified dental resins. More and more dental and orthodontic practices as well as laboratories use 3D printing for proceeding fast and efficient, saving costs and improve their treatment methods and plans.

The CAD based production of dental restorations with SolFlex 3D printers leads to a reduction in costs and materials as well as to a higher clinical quality and consistency during the whole production process.

The compact SolFlex 170 HD is equipped with a high-resolution HD projector which makes a precise and continuous printing of the surface structures possible. Thanks to the long-lasting DLP UV technology, you can polymerize the whole big build area with high precision and reliability. The integrated touchscreen is intuitively usable and can be touched also with gloves. The data file can be transmitted easily in a standard STL format via WIFI, LAN or USB stick.

The rigid tray of the SolFlex 170 HD, the so-called PowerVat, enables to process in only one printing process reliably and precisely huge quantities of highly viscous dental resins and also more solid objects, used for instance for the model production.

Dental resins, like the wide range of our product family V-Print, released to be stored in the material tray, offers a huge usability advantage: the unpopular transfer of printing resins back to the bottles and the time-consuming cleaning of the PowerVat can be dropped.

Advantages

SolFlex 170 HD

- Big build area but small base of the printer
- Fast printing up to 120 mm/h*
- WIFI for a wireless transmission of printing data

PowerVat

- PowerVat – non-wearing and durable
- Material storage in the PowerVat possible
- Cost-effective replaceable film

Technical data

Dimensions	318 × 296 × 468/680 mm / approx. 15 kg
Dimension of the build area	68 × 121 × 180 mm (w×d×h)
Exposure technology	385 nm UV-LED DLP®
Pixel size	63 µm
Layer thickness	25 - 200 µm
Build speed	up to 120 mm/h*
Connection	Ethernet, USB, WIFI

Presentation

REF 9310	SolFlex 170 HD – 3D printer
REF 9311	PowerVat 170 HD – material vat
REF 9312	PowerVat 170 HD – 5 foils
REF 9313	PowerVat 170 HD – light protection cover
REF 9119	Solflex 170 – building platform

*depends on layer thickness, material, etc.

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