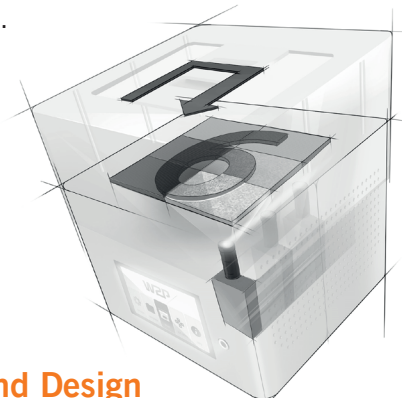
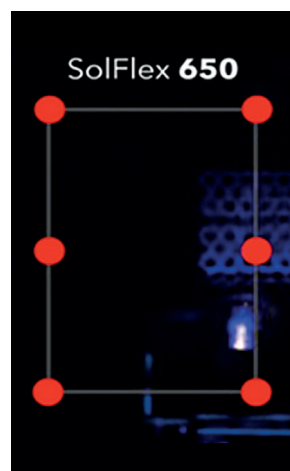


# VOCO SolFlex

Industrial Grade DLP Dental 3D Printer

## Moving DLP

Most 3D printers have one light source mounted in the middle of the printing platform. VOCO's SolFlex 350 and 650 printers have a high-tech Texas Instrument DLP light source that moves into different positions in order to keep the same distance from the light source to the build object. Due to VOCO's moveable DLP lightsource, building quality and precision will remain high regardless of where the object is placed on the platform. This becomes very important for high-precision objects like crown and bridge models with dyes.



## Superior Quality and Design

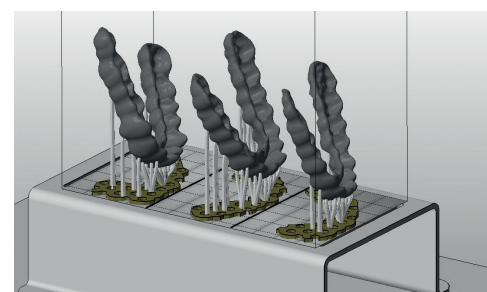
The SolFlex 3D printers have been elegantly designed by experts and are hand-crafted in Austria and Germany using only high-quality industrial grade components. Complemented by large building volumes in a true desktop size and an easy to use touch screen interface, SolFlex 3D printers are innovative, robust machines that produce the highest quality product. Benefiting from such high quality design, SolFlex 3D printers perform at a noise level that is virtually unnoticeable.



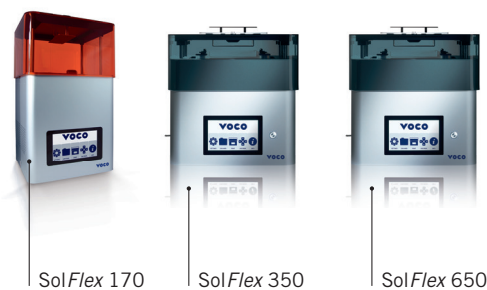
**VOCO**  
THE DENTALISTS



## SolFlex 650 Largest Desktop DLP Printer



Due to SolFlex's Moving DLP technology, we were able to enlarge the build platform without losing accuracy. The SolFlex 650 platform of 128 x 120 mm is the largest available platform of any desktop DLP printer. It can print models as fast as 70 min or can be fully stacked in two departments with up to 24 splints for overnight printing. It is the combination of the SolFlex 650's high capacity, speed and high quality that make it the ultimate 3D printer for a busy dental lab.



SolFlex 170 SolFlex 350 SolFlex 650

## Service

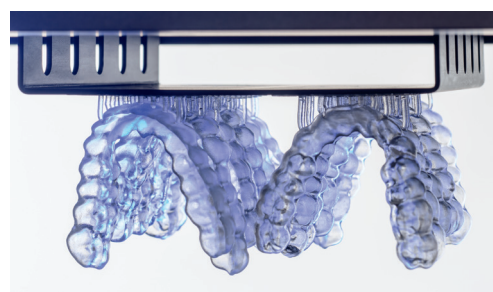
As a dental company, we understand your business. VOCO's series of SolFlex 3D printers offer speed, precision, reliability and innovation. Different service packages are available that allow for 24-hour loaner exchange as well as job continuation solutions with on-call professional dental lab technicians to provide answers and solutions. VOCO 3D printers will give you peace of mind and ensure that you can run your business as efficiently as possible without interruption.

## Open Source for Printing Materials



Currently VOCO offers a model material and an FDA-approved surgical guide material and clear ortho material that can be used for splints and other orthodontic appliances as well as for surgical guides. Additional 3D print materials will be available soon. SolFlex printers are open source and accept other companies' print materials (385 nm). This will provide flexibility so that you can utilize VOCO's high-quality V-Print printing materials, or other printing materials available on the market to ensure maximum comfort as you get started.

## Advanced 385 nm DLP



The SolFlex 3D printers use the newest generation of Texas Instruments DLP-Technology with a wavelength of 385 nm. Combined with the new UV-LEDs, the SolFlex 3D printers are capable of the finest precision printing, layer by layer. The big advantage of DLP technology vs the cheaper SLA technology is that they last longer. Additionally, the SolFlex DLP technology at 385 nm is able to produce truly clear ortho appliances without the yellow tint, unlike SLA printers or DLP printers with 405 nm wavelength.

### SolFlex 170

- Base area: 296 x 318 mm
- Build area: 56 x 89 mm (1 exposure area)
- Max. build height: 120 mm
- Layer thickness: 25-200 µm
- Building capacity: up to 6 splints
- Building speed: up to 120 mm/h
- Pixel size: 70 µm
- Precision: 35 µm

### SolFlex 350

- Base area: 400 x 400 mm
- Build area: 64 x 120 mm (3 exposure areas)
- Max. build height: 130 mm
- Layer thickness: 25-200 µm
- Building capacity: up to 12 splints
- Building speed: up to 120 mm/h
- Pixel size: 50 µm
- Precision: 25 µm

### SolFlex 650

- Base area: 400 x 400 mm
- Build area: 128 x 120 mm (6 exposure areas)
- Max. build height: 130 mm
- Layer thickness: 25-200 µm
- Building capacity: up to 24 splints
- Building speed: up to 120 mm/h
- Pixel size: 50 µm
- Precision: 25 µm

(Circle 312 on Reader Service Card)

# THE INDUSTRIAL GRADE DLP DENTAL 3D PRINTER



Faster Printing Speed

Higher Accuracy

Better Process Reliability

Advance 385 nm DLP

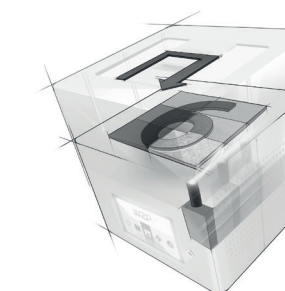
Available in 3 Printer Sizes

- **Speed Sensor Monitored Production**  
for up to 40 % faster speed and less misprints
- **Moving DLP**  
for higher accuracy across the entire platform. SolFlex 650 offers largest platform of any DLP printer
- **Advanced 385 nm DLP Technology**  
for truly clear ortho materials and extremely accurate models
- **Patented Flex-Vat Technology**  
for faster speeds and fewer support structures
- **Open Material System**  
use the best print materials available
- **Outstanding Training and Support**  
24h loaner, job continuation solutions, professional lab tech support by a VOCO Digital Lab Technician

Please contact us at: 1-888-658-2584 · infousa@voco.com

# SolFlex

Industrial Grade DLP Dental 3D Printer



# VOCO SolFlex

Industrial Grade DLP Dental 3D Printer

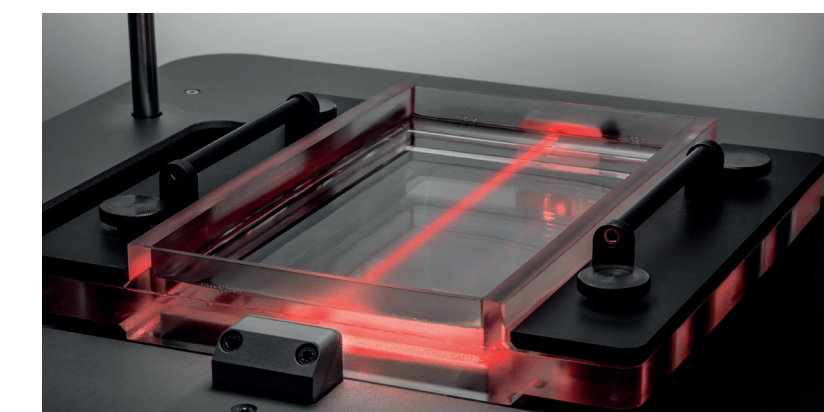
## Flex-Vat Technology

With patented Flex-Vat technology, SolFlex 3D printers differentiate themselves compared to all other 3D printers in that the SolFlex tray is flexible and made out of one piece of high-tech silicone. Through this innovative technology, the peeling forces during manufacturing are significantly reduced, enabling SolFlex printers to work at a faster speed. Additionally, the number of required support structures are reduced, saving post-processing time and material.



## SMP – Sensor Monitored Production

An optional feature available on each SolFlex printer VOCO refers to as Sensor Monitored Production (SMP). SMP is performed by a sensor that measures the peeling forces emerging on the Flex-Vat surface. This information is used by the SolFlex printer to control and optimize the building speed which increases process efficiency and reliability, reducing time and material-consuming misprints. In fact, for most print jobs, the SMP technology reduces print time by up to 40 %.



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