

## Reliable post-curing with pioneering technology



Inner dimensions  
polymerisation chamber:  
H 65 mm  
W 150 mm  
D 150 mm

### PCU LED N<sub>2</sub>

Laboratory unit on LED-basis for the curing of 3D printed parts. Ensuring of mechanics and biocompatibility through effective deep curing. Two different curing environments selectable depending on the application area. The additionally eligible nitrogen environment of PCU LED N<sub>2</sub> ensures cured components without inhibition layer – for laboratory and medical devices.

PCU LED N <sub>2</sub>	4317
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- ⊕ Open system with 10 programmable memory spaces
- ⊕ Simple operating concept with electronic control system
- ⊕ Logging and monitoring of process parameters
- ⊕ Selectable curing environments

## FotoDent® material matrix

### Compatible at a glance.

The right resin for every application: FotoDent® and printer have to be matched in order to achieve qualified results. Your printer is not listed here yet? Contact us!

Printer*	Ackuretta	Asiga	Carbon	EvoDent	MiiCraft	Rapid Shape	SprintRay	W2P
Technology	LCD DLP	DLP	DLP	DLP	DLP	DLP	DLP	DLP
Wavelength (nm)	405	385	385	405	385	385	405	385
FotoDent® denture**		●			○	●	○	○
FotoDent® IBT		●	●		○	●		○
FotoDent® guide	●	●		○	○	●	○	○
FotoDent® splint**		●			○	●		○
FotoDent® tray	●	●	●	○	●	●	○	○
FotoDent® cast	●	●	●	○	○	●	○	○
FotoDent® setup		●		○	●	●	○	○
FotoDent® model	●	●		○	○	●	○	○
FotoDent® model2		●			●	●		○
FotoDent® gingiva		●	●		●	●	○	○
FotoDent® TryIn								
FotoDent® TCB								

- Print parameter available
- Print parameter available soon

\*\* in registration

\* Ackuretta: Akcuray™ A135, Akcuray™ A96, Diplo™ D140, FreeShape 120  
 Asiga: MAX UV  
 MiiCraft: MiiCraft 125  
 Rapid Shape: D20 II, D30 II, D40 II, D90 II UV  
 SprintRay: MoonRay 3D Printer, Pro Desktop 3D Printer  
 W2P: SOLFLEX 150 / PLUS, -170 / PLUS, -350 / PLUS, -650 / PLUS



## FotoDent® News

You print it.



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# FotoDent® product world










## Generative production from one source.

Already for decades our digital dental products stand for competence and innovation in the field of medical 3D printing. Just like it is with the classical portfolio, the system concept plays a decisive part: resins and post-curing unit, all from one source, are perfectly matched. Optimize working processes and save time and money: together with well-known printer manufacturers we are constantly working on more and more qualified laboratory processes (see matrix).

Join us into the digital future! No matter whether it is lab, prosthetics or orthodontics: only products complying with the high quality stipulations of dental applications and medical devices during the entire production chain, will leave our factory. Results from the FotoDent® product world speak for themselves and add to the success of every future-oriented dental business.

## Material data

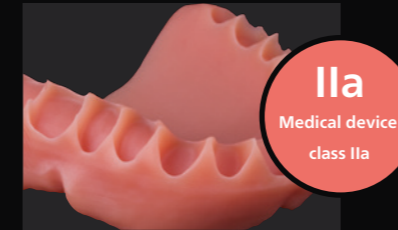
					
FotoDent® denture	> 80 Shore D	> 2.200 MPa	> 85 MPa	> 7%	–
FotoDent® IBT	90 Shore A	–	–	≥ 45 %	0.7 ≥ 0.2 Pa s
FotoDent® guide 405 nm	> 80–85 Shore D	≥ 1.700 MPa	≥ 75 MPa	> 10–15 %	–
FotoDent® splint	–	> 1.100 MPa	> 50 MPa	> 7 %	~ 0.5 Pa s
FotoDent® tray	> 80 Shore D	≥ 2.000 MPa	≥ 75 MPa	> 5 %	~ 1 Pa s
FotoDent® cast	80–90 Shore D	≥ 2.000 MPa	≥ 100 MPa	7,5–11 %	< 0.3 Pa s
FotoDent® setup	~ 80–85 Shore D	≥ 2.000 MPa	≥ 95 MPa	≥ 5 %	1.0–1.5 Pa s
FotoDent® model	80–85 Shore D	≥ 1.750 MPa	≥ 85 MPa	> 11–15 %	0.8–1.3 Pa s
FotoDent® model2	–	≥ 1.900 MPa	≥ 85 MPa	–	0.8–1.2 Pa s
FotoDent® gingiva	~ 70 Shore A	–	–	> 40 %	~ 2 Pa s
FotoDent® TryIn					
FotoDent® TCB					

 Hardness  
  Elastic modulus  
  Flexural strength  
  Tensile-/ Break-/ Bending strength  
 Viscosity  
  Voltage  
  Weight  
  Dimensions ( H x W x D mm)  
  Colour

### FotoDent® denture 385 nm

Light-curing resin for the production of denture bases. The material provides for accurate results with an outstanding dimensional stability. FotoDent® denture is MMA-free and stable in colour.

1.0 kg bottle D35500



**IIa**  
Medical device class IIa

### FotoDent® IBT 385 nm

Light-curing resin for the manufacturing of transparent indirect bonding trays. Monitoring of correct bracket positions is possible at any time – before and after fixing. Simple removing due to optimal flexibility. Usable with all common bracket systems.

1.0 kg bottle D35120

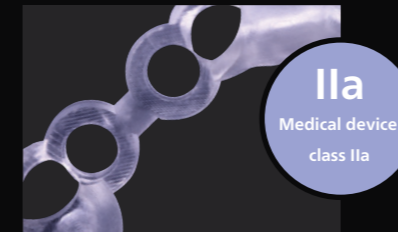


**I**  
Medical device class I

### FotoDent® guide 385 & 405 nm

Light-curing resin for the manufacturing of dental drill guides. Drill guides made from FotoDent® guide are dimensionally stable and biocompatible.

1.0 kg bottle, 385 nm D35650  
1.0 kg bottle, 405 nm D35600

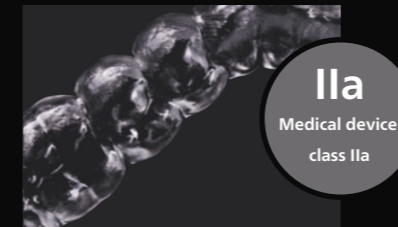


**IIa**  
Medical device class IIa

### FotoDent® splint 385 nm

Light-curing resin for the production of bruxism and occlusal splints. The printed part is break resistant and shows a homogeneous surface. Splints made from FotoDent® splint are biocompatible and most durable.

1.0 kg bottle D35800

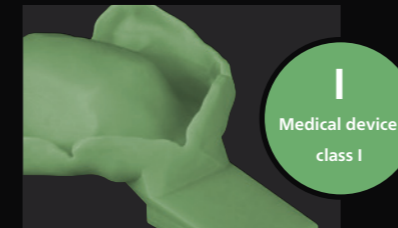


**IIa**  
Medical device class IIa

### FotoDent® tray 385 / 405 nm

Biocompatible light-curing resin for the manufacturing of dental impression trays. High reactivity at low viscosity. The finished impression trays have a homogeneous surface, which significantly reduces manual reworking.

1.0 kg bottle D35300



**I**  
Medical device class I

### FotoDent® cast 385 / 405 nm

Light-curing resin for the production of burn-out molded parts for the dental casting technique. The material is highly compatible: it can be used with all commercially available embedding materials.

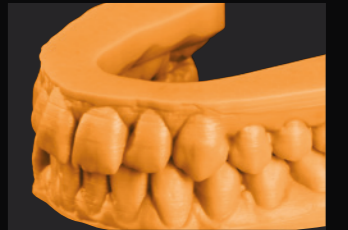
1.0 kg bottle D35100



### FotoDent® setup 385 / 405 nm

Light-curing resin for the manufacturing of orthodontic set-up models. The material is above all characterised by its increased building speed. The set-up models are very well suitable for the thermoforming technique.

1.0 kg bottle D35900



### FotoDent® model 385 / 405 nm

Light-curing resin for the manufacturing of dental models for orthodontics and prosthetics. High form and break stability. Abrasion, moisture and light resistant.

1.0 kg bottle D35400



### FotoDent® model2 385 nm

Especially developed for new generations of printers with 385 nm: Light-curing resin for the manufacturing of dental models for orthodontics and prosthetics. Faster printing process due to higher output, still with the same precision.

1.0 kg bottle D354002



### FotoDent® gingiva 385 nm

Light-curing resin for the manufacturing of dental gingiva masks. Permanently soft and flexible. Perfectly combinable with working models made of FotoDent® model resins.

1.0 kg bottle D35850



**DP**  
Dreve patent

### FotoDent® TryIn 385 nm

Light-curing resin in natural tooth colour for the production of dentures for fitting tests. Helps the dentist to examine the fitting of a generatively manufactured denture and give the patient a most realistic first impression of the final work.

1.0 kg bottle



**Coming soon**

### FotoDent® TCB 385 nm

Light-curing resin for the additive production of temporary crowns and bridges.

1.0 kg bottle



**Coming soon**