BEGO compatibility overview 3D printing system components

Select your printer manufacturer

BEGO

ACKURETTA

ANYCUBIC

ASIGA

DEKEMA

envisionTEC

formlabs

MICROLAY 3D PRINTERS

SprintRay

WhipMix

DLP printers
in general

BEGO

BEGO compatibility overview 3D printing system components

BEGO Varseo XS

Cleaning

Light-curing

VarseoSmile Crown plus
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Cleaning					Light-curing						
Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs[1] Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix[1] Veriwash + Veriwhirl/ Ackuretta[1] Cleani[2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay[1] ProWash/Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer[1]):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Crown plus (60 sec – pause – 50 sec), Zone A	**CUREbox[1] Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix Veriwash + Veriwhirl/ Ackuretta Cleani[2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay ProWash/Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	**CUREbox Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)					**BEGO Otoflash:** 2 × 500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec					

VarseoWax Model
Dental models

Ultrasonic bath: 5 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 5 min (Isopropanol 99 %)	**Anycubic[1] Wash & Cure Plus[3]:** 8 min (Isopropanol 99 % or Ethanol 96 %)			**Flash or LED light-curing device, e.g.:** **BEGO Otoflash:** 2 × 2.000 flashes	**HiLite Power (Kulzer):** 2 × 180 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**Anycubic Wash & Cure Plus[3]:** 2 × 20 min			

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

[1] This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.
[2] Both devices are identical in construction.
[3] Compatibility applies to the design status to the serial no. W31126A0405446.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO

BEGO compatibility overview 3D printing system components

BEGO Varseo / Varseo L / Varseo S

Cleaning

Light-curing

VarseoSmile Crown plus
Permanent single crowns, inlays, onlays, and veneers

Cleaning					Light-curing						
Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs [1] Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix [1] Veriwash + Veriwhirl / Ackuretta [1] Cleani [2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay [1] ProWash / Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer [1]):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Crown plus (60 sec – pause – 50 sec), Zone A	**CUREbox [1] Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix Veriwash + Veriwhirl / Ackuretta Cleani [2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay ProWash / Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	**CUREbox Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**BEGO Otoflash:** 2 × 500 flashes **HiLite Power (Kulzer):** 2 × 90 sec

VarseoWax Model
Dental models

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

Ultrasonic bath: 3 min + 2 min (Ethanol 96 %)	**BEGO Otoflash:** 2 × 1.000 + 2 x 2.000 flashes **HiLite Power (Kulzer):** 1 × 90 + 2 × 180 sec

VarseoWax Tray
Individual impression trays

Ultrasonic bath: 3 min + 2 min (Ethanol 96 %)	**BEGO Otoflash:** 2 x 2.000 flashes **HiLite Power (Kulzer):** 2 × 180 sec

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[2] Both devices are identical in construction.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO

BEGO compatibility overview 3D printing system components

Ackuretta [1] DENTIQ / Freeshape 120 [4]

Cleaning

Light-curing

VarseoSmile Crown [plus]
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Cleaning					Light-curing						
Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs [1] Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix [1] Veriwash + Veriwhirl / Ackuretta Cleani [2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay [1] ProWash / Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer [1]):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Crown [plus] (60 sec – pause – 50 sec), Zone A	**CUREbox [1] Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix Veriwash + Veriwhirl / Ackuretta Cleani [2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay ProWash / Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	**CUREbox Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

VarseoWax Model
Dental models

Ultrasonic bath: 5 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 5 min (Isopropanol 99 %)	**Anycubic [1] Wash & Cure Plus [3]:** 8 min (Isopropanol 99 % or Ethanol 96 %)	**Flash or LED light-curing device, e.g.:**		
			BEGO Otoflash: 2 × 2.000 flashes	**HiLite Power (Kulzer):** 2 × 180 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**Anycubic Wash & Cure Plus [3]:** 2 × 20 min

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

[1] This symbol is a commercial designation / registered trademark of a company which is not part of the BEGO company group.
[2] Both devices are identical in construction.
[3] Compatibility applies to the design status to the serial no. W31126A0405446.
[4] Ackuretta Dentiq & Freeshape 120 can only be used with anodized aluminium build platform (for VarseoSmile Crown [plus] and VarseoSmile Temp).
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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ACKURETTA

BEGO compatibility overview 3D printing system components

Ackuretta [1] SOL [5]

Cleaning

Light-curing

VarseoSmile Crown [plus]
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Ultrasonic bath:	Formlabs [1] Form Wash:	Whip Mix [1] Veriwash + Veriwhirl/ Ackuretta Cleani [2]:	Manual cleaning with tensides:	SprintRay [1] ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

BEGO Otoflash:	HiLite Power (Kulzer [1]):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox [2] Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Crown [plus] (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath:	Formlabs Form Wash:	Whip Mix Veriwash + Veriwhirl/ Ackuretta Cleani [2]:	Manual cleaning with tensides:	SprintRay ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

BEGO Otoflash:	HiLite Power (Kulzer):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

VarseoWax Model
Dental models

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

[1] This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.
[2] Both devices are identical in construction.
[5] Ackuretta SOL can only be used with anodized aluminium build platform (Small, Medium and Large).
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO

BEGO compatibility overview 3D printing system components

Anycubic [1] Photon Mono X [6]

	Cleaning	Light-curing
 **VarseoSmile Crown plus** Permanent single crowns, inlays, onlays, and veneers		
 **VarseoSmile Temp** Temporary crown and bridge restorations, inlays, onlays, and veneers		
 **VarseoWax CAD/CAST** Burnout objects		
 **VarseoWax Model** Dental models	**Ultrasonic bath:** 5 min (Isopropanol 99 % or Ethanol 96 %) **Formlabs [1] Form Wash:** 5 min (Isopropanol 99 %) **Anycubic Wash & Cure Plus [3]:** 8 min (Isopropanol 99 % or Ethanol 96 %)	**Flash or LED light-curing device, e.g.:** **BEGO Otoflash:** 2 x 2.000 flashes **HiLite Power (Kulzer [1]):** 2 x 180 sec **Formlabs Form Cure:** 2 × 20 min @ 60 °C **Anycubic Wash & Cure Plus [3]:** 2 × 20 min
 **VarseoWax Surgical Guide** Surgical guides and placement aids for implant prosthetics		
 **VarseoWax Tray** Individual impression trays		

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[3] Compatibility applies to the design status to the serial no. W31126A0405446.
[6] Compatibility applies to the design status to the serial no. P02123C0306508
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO compatibility overview 3D printing system components

Asiga[1] Max UV / Max 405

Cleaning

Light-curing

VarseoSmile Crown plus
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Cleaning					Light-curing						
Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs[1] Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix[1] Veriwash + Veriwhirl / Ackuretta[1] Cleani[2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay[1] ProWash / Dry:** 4 min Reservoir 1 + 3 min Reservoir 2 + 3 min Trocknung + Absprühen (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer[1]):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Crown plus (60 sec – pause – 50 sec), Zone A	**CUREbox[1] Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix Veriwash + Veriwhirl / Ackuretta Cleani[2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay ProWash / Dry:** 4 min Reservoir 1 + 3 min Reservoir 2 + 3 min Trocknung + Absprühen (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	**CUREbox Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)					**BEGO Otoflash:** 2 × 500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec					

VarseoWax Model
Dental models

Ultrasonic bath: 5 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 5 min (Isopropanol 99 %)	**Anycubic[1] Wash & Cure Plus[3]:** 8 min (Isopropanol 99 % or Ethanol 96 %)			**Flash or LED light-curing device, e.g.:** **BEGO Otoflash:** 2 × 2.000 flashes	**HiLite Power (Kulzer):** 2 × 180 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**Anycubic Wash & Cure Plus[3]:** 2 × 20 min			

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

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[3] Compatibility applies to the design status to the serial no. W31126A0405446.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO compatibility overview 3D printing system components

Asiga [1] Pro 4K80 [7]

	Cleaning	Light-curing
 **VarseoSmile Crown plus** Permanent single crowns, inlays, onlays, and veneers		
 **VarseoSmile Temp** Temporary crown and bridge restorations, inlays, onlays, and veneers		
 **VarseoWax CAD/CAST** Burnout objects		
 **VarseoWax Model** Dental models	**Ultrasonic bath:** 5 min (Isopropanol 99 % or Ethanol 96 %) **Formlabs [1] Form Wash:** 5 min (Isopropanol 99 %) **Anycubic [1] Wash & Cure Plus [3]:** 8 min (Isopropanol 99 % or Ethanol 96 %)	**Flash or LED light-curing device, e.g.:** **BEGO Otoflash:** 2 × 2.000 flashes **HiLite Power (Kulzer [1]):** 2 × 180 sec **Formlabs Form Cure:** 2 × 20 min @ 60 °C **Anycubic Wash & Cure Plus [3]:** 2 × 20 min
 **VarseoWax Surgical Guide** Surgical guides and placement aids for implant prosthetics		
 **VarseoWax Tray** Individual impression trays		

[1] This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.
[3] Compatibility applies to the design status to the serial no. W31126A0405446.
[7] Printer must be operated in 4K mode.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO compatibility overview 3D printing system components

DEKEMA [1] trix print[2]

Cleaning

Light-curing

VarseoSmile Crown [plus]
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Cleaning					Light-curing						
Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs [1] Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix [1] Veriwash + Veriwhirl / Ackuretta [1] Cleani [2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay [1] ProWash/Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer [1]):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Crown [plus] (60 sec – pause – 50 sec), Zone A	**CUREbox [1] Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix Veriwash + Veriwhirl / Ackuretta Cleani [2]:** 3 min + 3 min (Isopropanol 99 %)	**Manual cleaning with tensides:** See last page	**SprintRay ProWash/Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	**CUREbox Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

VarseoWax Model
Dental models

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

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BEGO compatibility overview 3D printing system components

EnvisionTEC [1] D4K Pro [8]

Cleaning

Light-curing

VarseoSmile Crown [plus]
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Ultrasonic bath:	Formlabs [1] Form Wash:	Whip Mix [1] Veriwash + Veriwhirl / Ackuretta [1] Cleani [2]:	Manual cleaning with tensides:	SprintRay [1] ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

BEGO Otoflash:	HiLite Power (Kulzer [1]):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox [1] Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Crown [plus] (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath:	Formlabs Form Wash:	Whip Mix Veriwash + Veriwhirl / Ackuretta Cleani [2]:	Manual cleaning with tensides:	SprintRay ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

BEGO Otoflash:	HiLite Power (Kulzer):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

VarseoWax Model
Dental models

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

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[2] Both devices are identical in construction.
[8] For the use of VarseoSmile Crown plus und VarseoSmile Temp please contact a distributor of EnvisionTEC GmbH.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO compatibility overview 3D printing system components

	Formlabs [1] Form 2 [9] (stainless steel build platform necessary)		Formlabs Form 3B / 3B+ (stainless steel build platform necessary)	
	Cleaning	**Light-curing**	**Cleaning**	**Light-curing**
 **VarseoSmile Crown plus** Permanent single crowns, inlays, onlays, and veneers			**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Formlabs Form Cure:** 2 × 20 min @ 60 °C
 **VarseoSmile Temp** Temporary crown and bridge restorations, inlays, onlays, and veneers	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Formlabs Form Cure:** 2 × 20 min @ 60 °C
 **VarseoWax CAD/CAST** Burnout objects				
 **VarseoWax Model** Dental models				
 **VarseoWax Surgical Guide** Surgical guides and placement aids for implant prosthetics				
 **VarseoWax Tray** Individual impression trays				

[1] This symbol is a commercial designation / registered trademark of a company which is not part of the BEGO company group.
[9] VarseoSmile Crown plus is ditributed by Formlabs as Permanent Crown + VarseoSmile Temp as Temporary CB.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO compatibility overview 3D printing system components

Microlay [1] Versus 385

Cleaning

VarseoSmile Crown plus
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Ultrasonic bath:	Formlabs [1] Form Wash:	Whip Mix [1] Veriwash + Veriwhirl/ Ackuretta [1] Cleani [2]:	Manual cleaning with tensides:	SprintRay [1] ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath:	Formlabs Form Wash:	Whip Mix Veriwash + Veriwhirl/ Ackuretta Cleani [2]:	Manual cleaning with tensides:	SprintRay ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

VarseoWax CAD/CAST
Burnout objects

Ultrasonic bath:	Formlabs Form Wash:	Anycubic [1] Wash & Cure Plus [3]:
5 min (Isopropanol 99 % or Ethanol 96 %)	5 min (Isopropanol 99 %)	8 min (Isopropanol 99 % or Ethanol 96 %)

VarseoWax Model
Dental models

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

Light-curing

BEGO Otoflash:	HiLite Power (Kulzer [1]):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox [1] Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Crown plus (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30BOn

BEGO Otoflash:	HiLite Power (Kulzer):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30BOn

Flash or LED light-curing device, e.g.:

BEGO Otoflash:	HiLite Power (Kulzer):	Formlabs Form Cure:	Anycubic Wash & Cure Plus [3]:
2 × 2.000 flashes	2 × 180 sec	2 × 20 min @ 60 °C	2 × 20 min

[1] This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.
[2] Both devices are identical in construction.
[3] Compatibility applies to the design status to the serial no. W31126A0405446.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO compatibility overview 3D printing system components

SprintRay[1] Pro 95/Pro 95 S/Pro 55/Pro 55 S

Cleaning

Light-curing

VarseoSmile Crown plus
Permanent single crowns, inlays, onlays, and veneers

Ultrasonic bath:	Formlabs[1] Form Wash:	Whip Mix[1] Veriwash + Veriwhirl/ Ackuretta[1] Cleani[2]:	Manual cleaning with tensides:	SprintRay ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

BEGO Otoflash:	HiLite Power (Kulzer[1]):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox[1] Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Crown plus (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Ultrasonic bath:	Formlabs Form Wash:	Whip Mix Veriwash + Veriwhirl/ Ackuretta Cleani[2]:	Manual cleaning with tensides:	SprintRay ProWash/Dry:
3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	3 min (Isopropanol 99 %)	3 min + 3 min (Isopropanol 99 %)	See last page	4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)

BEGO Otoflash:	HiLite Power (Kulzer):	Formlabs Form Cure:	SprintRay ProCure:	SprintRay ProCure 2:	CUREbox Plus:	Ackuretta CURIE:
2 × 1.500 flashes	2 × 90 sec	2 × 20 min @ 60 °C	2 × 20 min @ 20 °C	Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	2 × 20 min @ 30 °C	2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

VarseoWax Model
Dental models

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

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BEGO compatibility overview 3D printing system components

Whip Mix [1] VeriBuild / VeriEko [10]

Cleaning

Light-curing

VarseoSmile Crown [plus]
Permanent single crowns, inlays, onlays, and veneers

NEW! Also available in Bleach

Cleaning					Light-curing						
Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs [1] Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix Veriwash + Veriwhirl / Ackuretta [1] Cleani [2]:** 3 min + 3 min (Isopropanol 99%)	**Manual cleaning with tensides:** See last page	**SprintRay [1] ProWash / Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer [1]):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Crown [plus] (60 sec – pause – 50 sec), Zone A	**CUREbox [1] Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoSmile Temp
Temporary crown and bridge restorations, inlays, onlays, and veneers

Cleaning					Light-curing						
Ultrasonic bath: 3 min + 2 min (Isopropanol 99 % or Ethanol 96 %)	**Formlabs Form Wash:** 3 min (Isopropanol 99 %)	**Whip Mix Veriwash + Veriwhirl / Ackuretta Cleani [2]:** 3 min + 3 min (Isopropanol 99%)	**Manual cleaning with tensides:** See last page	**SprintRay ProWash / Dry:** 4 min reservoir 1 + 3 min reservoir 2 + 3 min drying + spraying off (Isopropanol 99 %)	**BEGO Otoflash:** 2 × 1.500 flashes	**HiLite Power (Kulzer):** 2 × 90 sec	**Formlabs Form Cure:** 2 × 20 min @ 60 °C	**SprintRay ProCure:** 2 × 20 min @ 20 °C	**SprintRay ProCure 2:** Preprogrammed resin profile VarseoSmile Temp (60 sec – pause – 50 sec), Zone A	**CUREbox Plus:** 2 × 20 min @ 30 °C	**Ackuretta CURIE:** 2 × 2,5 min Exposure parameters: P13 D8 T2.30B0n

VarseoWax CAD/CAST
Burnout objects

VarseoWax Model
Dental models

VarseoWax Surgical Guide
Surgical guides and placement aids for implant prosthetics

VarseoWax Tray
Individual impression trays

[1] This symbol is a commercial designation / registered trademark of a company which is not part of the BEGO company group.
[2] Both devices are identical in construction.
[10] Whip Mix VeriBuild & VeriEKO can only be used with anodized aluminium build platform (VeriEKO anodized aluminium build platform in Small, Medium and Large).
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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BEGO compatibility overview 3D printing system components

DLP printers in general (with 385 – 405 nm wave length)

	Cleaning	Light-curing
 **VarseoSmile Crown plus** Permanent single crowns, inlays, onlays, and veneers		
 **VarseoSmile Temp** Temporary crown and bridge restorations, inlays, onlays, and veneers		
 **VarseoWax CAD/CAST** Burnout objects		
 **VarseoWax Model** Dental models	**Ultrasonic bath:** 5 min (Isopropanol 99 % or Ethanol 96 %) **Formlabs[1] Form Wash:** 5 min (Isopropanol 99 %) **Anycubic[1] Wash & Cure Plus[3]:** 8 min (Isopropanol 99 % or Ethanol 96 %)	**Flash or LED light-curing device, e.g.:** **BEGO Otoflash:** 2 × 2.000 flashes **HiLite Power (Kulzer[1]):** 2 × 180 sec **Formlabs Form Cure:** 2 × 20 min @ 60 °C **Anycubic Wash & Cure Plus[3]:** 2 × 20 min
 **VarseoWax Surgical Guide** Surgical guides and placement aids for implant prosthetics		
 **VarseoWax Tray** Individual impression trays		

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[3] Compatibility applies to the design status to the serial no. W31126A0405446.
For detailed information on the production workflow, please refer to the instructions for use of the respective VarseoSmile or VarseoWax resins.
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Manual cleaning with Tensides

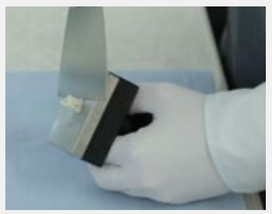
This cleaning method is valid for VarseoSmile Crown plus and VarseoSmile Temp

Necessary tools, equipment and materials

- InovaPrint wash (hp-dent[1]) general purpose 3D print cleaner
- Tab water
- 1-propanol (70 Vol.-%)
- Toothbrush
- Brush
- Instrument for holding the printed objects (e.g. artery clamp)
- Absorbent pad (e.g. paper towels) or tub
- 2 cups for 1-propanol (70 Vol.-%)
- 1 cup for cleaning solution
- Compressed air with trigger/splash guard
- Personal protective equipment: protective gloves and goggles

Cleaning process

Carefully remove the printed object from the platform with the help of a spatula.



Clean the printed object by using a toothbrush and/or brush in two steps:

Step 1:
Pre-wash with reusable cleaning solution: 5 % InovaPrint wash (hp-dent) + 95 % tab water.

1.1 Vigorously swirl object in cleaning solution for 15 s using pliers or an arterial clamp. Ensure not to damage the printed object.

1.2 Remove excess resin by using a toothbrush and cleaning solution. In addition, a brush can be used to clean the inside of crowns. Shortly swirl object in cleaning solution as needed.

Note: Clean toothbrush and brush regularly with 1-Propanol when covered with resin. Dry before reusing toothbrush or brush again for cleaning the printed object.

1.3 Use compressed air under a fume hood with splash guard to remove the cleaning solution from the printed object's surface.

1.4 Repeat step 1.2 and 1.3 until just a thin layer of resin remains on the surface of the print.

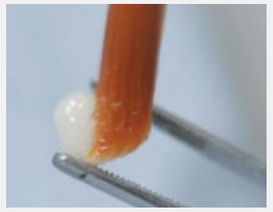
Step 2:
Finish with fresh 1-Propanol (70 Vol.-%).

2.1 Vigorously swirl printed object in 1-Propanol for 5 s and dry object immediately with compressed air.

2.2 Check for remaining resin (shiny spots).
If surface of printed object is matte, remove support structure as described in the following step (step 2.3). Shiny spots can be removed by quickly brushing the surface with a 1-Propanol soaked brush. Immediately dry object with compressed air.

2.3 Remove the support structure with the help of a cutting wheel or side cutters. Ensure not to deform the printed object.

2.4 Quickly clean occlusal surface with a 1-Propanol soaked brush to remove any excess resin. Immediately dry printed object with compressed air.



Note: Contact time of printed object with 1-Propanol needs to be reduced to a minimum to avoid the formation of white spots on the surface.

2.5 Post-cure the dental objects by using a validated post-curing unit.

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