

# Your formula for quality dentures

V-Print



*dentbase*

+

CediTEC



*Adhesive*

+

CediTEC



*Denture Teeth*

=



## V-Print® dentbase / CediTEC® / CediTEC® DT

COMPLETE CAD / CAM SYSTEM FOR  
INDIVIDUAL DENTURES

# V-Print® dentbase / CediTEC® / CediTEC® DT

## CAD/CAM SOLUTION FOR PERMANENT DENTURES

Aesthetic, precise, customised and economical – these are the requirements that digitally fabricated full dentures are expected to fulfil. The digital planning and creation of dentures offers you many advantages. In addition to the time savings attained through a digital workflow, and the reproducibility of dentures when needed, the cost-effective manufacture of denture bases is especially interesting when compared to a conventional and exclusively subtractive manufacture.

You can create dentures completely using a CAD / CAM process using three products in our portfolio that have been especially developed for the fabrication of dentures. These consist of V-Print dentbase, a 3D printing material for the manufacture of denture bases, made of CediTEC DT, a milling material for the creation of prosthetic teeth, and CediTEC, a luting material in practical cartridges which bonds base and teeth to one another.

### V-Print dentbase

The gingiva-coloured 3D printing material forms the base of the dentures. The printed objects have a high green strength so they can be removed safely from the printer's building platform. The subsequent post-processing of the material is easy and fast, and can be performed using commercially available instruments and tools. Denture bases made of V-Print dentbase are precise and offer a perfect fit. This is important for a high level of wearing comfort. When making adjustments over time, V-Print dentbase is compatible with commercial relining materials.

In addition, with V-Print Try-In, VOCO offers a 3D printing material for the functional trying-in of full and partial dentures. This makes it possible to assess the fit, occlusion, function, phonation and aesthetics before production of a permanent denture, for example, and allows corrections to be made using wax or veneering material if and as required.

### CediTEC DT (Denture Teeth)

From prosthetic teeth to tooth sections right up to complete dental arches for removable dentures: CediTEC DT allows for the fast and very precise production of customised denture teeth using the CAD/CAM milling technique.

Thanks to the very good physical properties of this composite, qualitatively high-grade and thus long-lasting denture teeth can be fabricated and customised for each patient in the desired shape. The four shades A1, A2, A3 and BL, the additional option of customising the shade, and the translucent choice of colour tone and natural fluorescence, ensure appealing aesthetics.

The innovative material can be polished without problems – delivering a natural sheen. An MMA primer is not required to customise denture teeth made with CediTEC DT. Simply roughen the surface slightly, apply the adhesive and composite, polish – done.

### CediTEC

The denture teeth luting system comprises CediTEC Adhesive and CediTEC Primer. CediTEC Adhesive is mixed in the practical cartridge, helping avoid bubbles and errors. Using the comfortable mixing tip, CediTEC Adhesive is applied directly from the cartridge onto the prepared tooth positions. This means only as much material is mixed as is actually required.

The CediTEC Primer creates the bond between the prosthetic base/tooth and the adhesive. It is poured onto a mixing tray from the dropper bottle and applied to the base and tooth with a brush. After an air-drying period of 30 seconds, CediTEC Adhesive can be applied and the teeth inserted. CediTEC can also be used with other systems and conventional PMMA.

**Please see also our processing instructions for CediTEC / V-Print at [www.voco.dental](http://www.voco.dental)**



# V-Print® dentbase

## LIGHT-CURING RESIN FOR THE GENERATIVE PRODUCTION OF DENTURE BASES

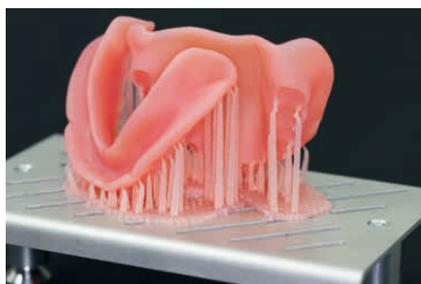
### First step

1

3D printing of denture base made of V-Print dentbase

**VOCO** TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)



### Technical data

Water absorption	24 µg/mm <sup>3</sup>	ISO 20795-1
Water solubility	< 0,1 µg/mm <sup>3</sup>	ISO 20795-1
Flexural strength	89 MPa	ISO 20795-1
Modulus of elasticity	2449 MPa	ISO 20795-1



This fits ideally with:

### V-Print Try-In

Material for 3D printing for the generative production of try-ins for prosthetics

REF 6049 Bottle 1000 g beige

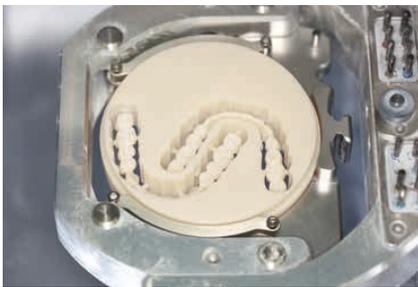
## CediTEC® DT

### CAD / CAM COMPOSITE FOR DENTURE TEETH

#### Second step

2

Milling of denture teeth made of CediTEC DT



#### Technical data

3-point flexural strength	136 MPa	as per ISO 10477
Compressive strength	477 MPa	as per ISO 9917
Modulus of elasticity	4,4 GPa	as per ISO 10477
Abrasion (200.000 cycles)	85 µm	ACTA-3-media
Filler content	27 % by weight	DIN 51081

CediTEC®

LUTING MATERIAL FOR DENTURE TEETH IN DENTURE BASES

Third step

3

Luting of the prosthetic teeth to the denture base using a bite index and 3D-printed try-in models



V-Print® dentbase / CediTEC® / CediTEC® DT

COMPLETE CAD / CAM SYSTEM FOR INDIVIDUAL DENTURES

**V-Print dentbase**

**Indication**

Removable denture bases

**Advantages**

- Precise, custom-fit & quickly reproducible – for long-term highly comfortable wear
- Saves time during polishing – thanks to printed surface
- Universal – compatible with commercially available resin materials and composites



**Presentation**

**V-Print dentbase**

REF 6048 Bottle 1000 g pink

**CediTEC DT**

**Indications**

Individual prosthetic teeth and tooth sections up to dental arches for removable dentures

**Advantages**

- Individual, high-quality & aesthetic – for perfect results
- Compatible with all commercially available composites – for further customising
- Saves time and expense – can be reproduced quickly at any time



**Presentation**

**CediTEC DT**

- REF 6085 Disc 20 mm A1, ø 98 mm
- REF 6086 Disc 20 mm A2, ø 98 mm
- REF 6087 Disc 20 mm A3, ø 98 mm
- REF 6088 Disc 20 mm BL, ø 98 mm

**CediTEC**

**Indications**

Luting of prefabricated prosthetic teeth and CAD / CAM-produced individual teeth and tooth sections in CAD / CAM-produced denture bases

Luting of prosthetic teeth in the scope of a repair or extension

**Advantages**

- Pinpoint and economical application – directly from the mixing tip
- Clean & efficient dosing – thanks to practical cartridge



**Presentation**

**CediTEC**

- REF 6082 Set cartridge 80 g CediTEC Adhesive, bottle 4 ml CediTEC Primer, accessories

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