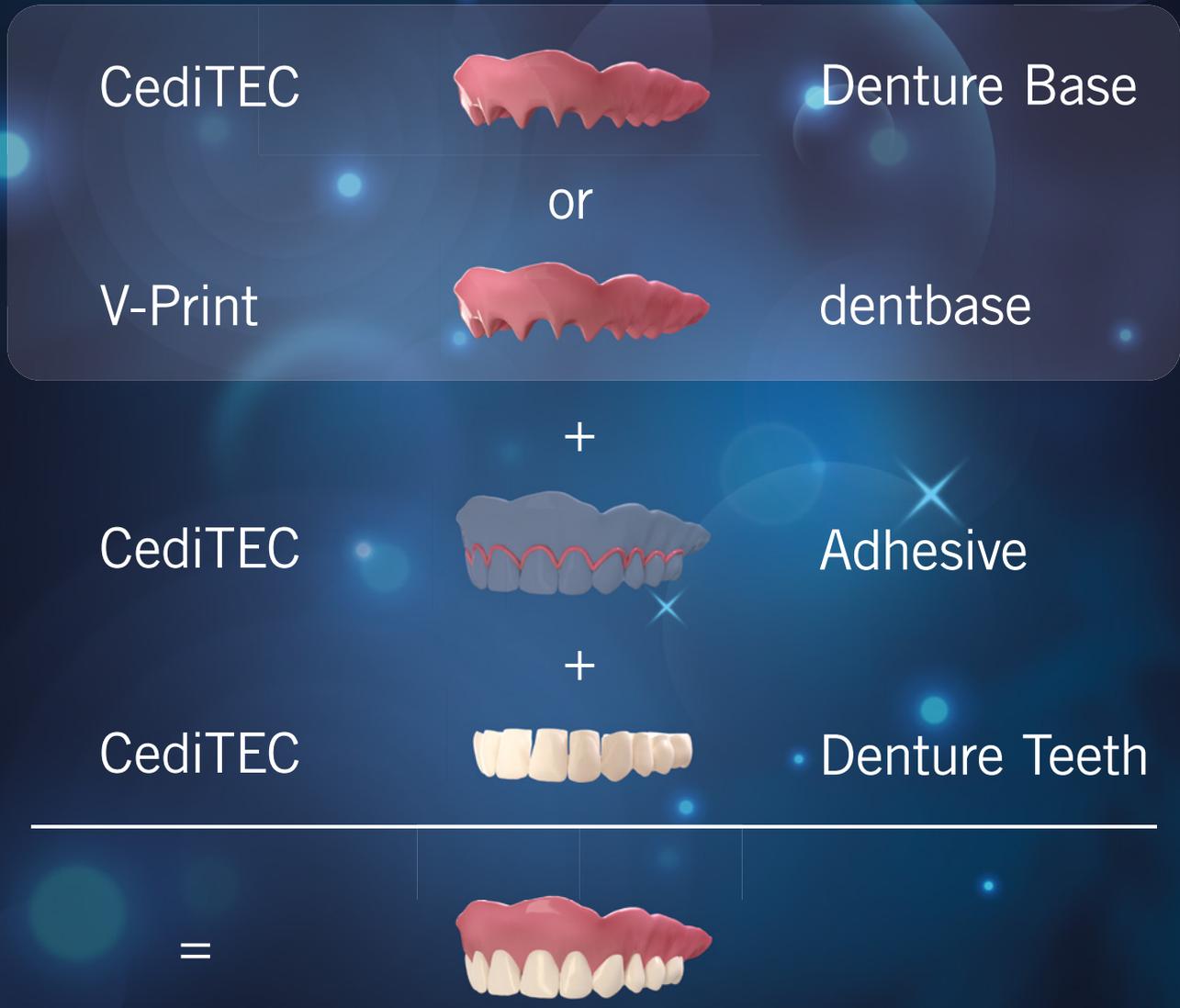


Your formula for quality dentures



CediTEC® / V-Print® dentbase

PROCESSING INSTRUCTIONS – PART 2:
INDIVIDUALISATION



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

The CAD/CAM solution for permanent dentures

Part 2: Individualisation

The individualisation of dentures underlines the individuality of these unique prosthetic pieces and leads to great acceptance by the patient. Dentures that are fabricated with CediTEC / V-Print dentbase can be excellently adjusted to the natural gingiva in terms of structure and shade, as well as the personal desires of the patients in relation to the tooth shade. The necessary steps follow a simple sequence to apply the desired colour for teeth and dentures and to bond them permanently to the respective base. This results in highly aesthetic unique pieces with maximum adaption to the present clinical situation. This guideline provides valuable tips and advices for the successful processing of dentures, which were fabricated with the CediTEC / V-Print dentbase System.

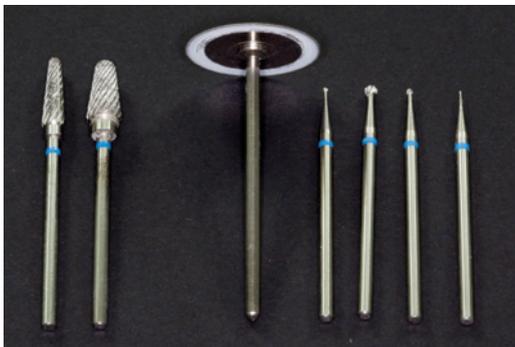
Great success!



Required accessories / preparatory work



Denture base and teeth already adhered and finished. For the fabrication of a denture with CediTEC / V-Print dentbase System please follow the processing instructions part 1.



Required accessories:

- Tools (s. left image)
- Adhesive for tooth colours (e.g. Futurabond U, VOCO GmbH)
- Denture base colours
- Denture teeth colours (e.g. FinalTouch, VOCO GmbH)
- Overlayer for colours if necessary
- Light-curing device



Partially or completely grind back the denture base in preparation for individualisation

Note

Depending on which colours/materials are used, the instructions for use of the respective individualisation systems regarding preparation, polymerisation and finishing must be observed.



Sandblast the denture with Al_2O_3 50 – 110 μm , 1 – 2 bar



Reduce cervical areas



Open interdentally with a cutting disc without reducing the connector cross-section



Individualise the tooth surfaces (mamelons) with a round bur



Deepen the fissures

Individualisation of the denture base



Apply suitable adhesive*

Here: Futurabond U (VOCO GmbH)



Light curing*



Contouring and shaping the alveoli by applying a composite in A1*



*Please refer to the manufacturer's instructions for the product.



Modelling the alveoli with a fine brush

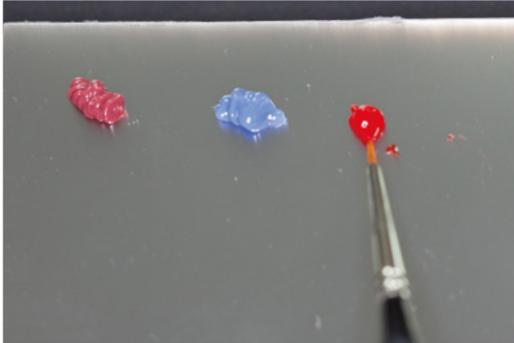


Polymerisation of the composite*



Applied composite after polymerisation*





Preparing the colours for the individualisation of the gingiva*

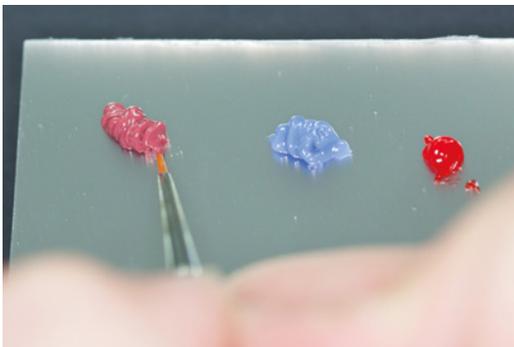
Pink

Blue

Red with fibres



Application of the red colour to imitate small blood vessels



Inclusion of pink for further individualisation of the gingiva base

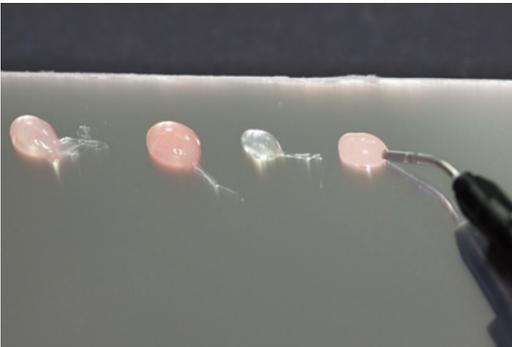


Application of the pink colour to imitate further nuances of the gingiva structure

*Please refer to the manufacturer's instructions for the product.



Depth effect after photopolymerisation



Preparation of the semi-transparent material for the protection and accentuating the individualisation of the gingiva



Application of the semi-transparent material (e.g. with a brush)



Modelling



Followed by light curing for fixation*



Levelling with a round bur or a comparable cutter



*Please refer to the manufacturer's instructions for the product.

Individualisation of denture teeth

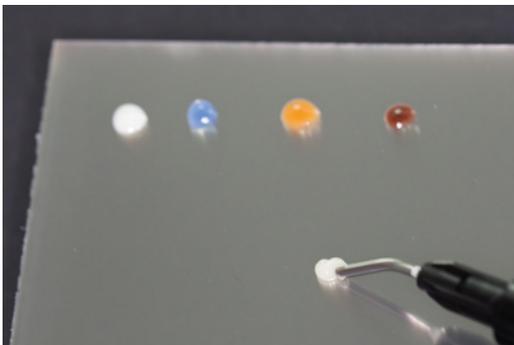


Application of a suitable adhesive on the prepared denture teeth*

Here: Futurabond U (VOCO GmbH)

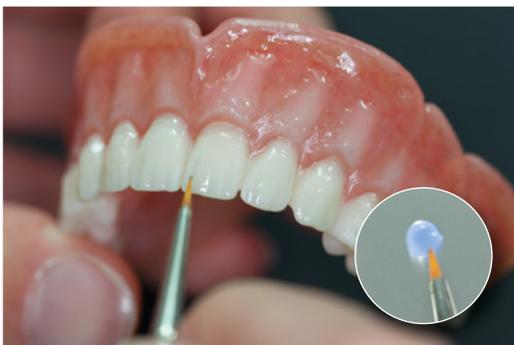


Followed by polymerisation*



Preparation of the colours for the denture teeth and a composite for the final overlay*

Here: FinalTouch (VOCO GmbH)



Application of the blue colour onto the incisal edges



Application of the white colour onto the incisal edges



Characterisation of the fissures with the orange colour



Overlayering the colours with a suitable composite for mechanical protection*



Light polymerisation of the overlay

*Please refer to the manufacturer's instructions for the product.

Finishing



Control of previous individualisation steps



Final fine correction with rotating instruments. For a further application of individualisation material, the usage of a corresponding adhesive would be necessary again.



Polishing with pumice stone



Final high gloss polish with buffing for finishing

Result



Detailed view of the individualised fissures



Finished individualised dentures





Product overview

V-Print® Try-In

Light-curing resin for the generative production of try-ins for prosthetics



Indications

Try-ins for total and partial prosthetics

Transfer and grinding templates

Correction impressions and occlusal impressions

Advantages

- Verification and possibility to assess the fit, occlusion, functionality, phonation and aesthetics **before** the production of prosthetics



REF 6049 Bottle 1000 g beige

VOCO



TRUSTED PARTNER

All print partners can be found here
www.voco.dental/3dprintingpartners

V-Print® dentbase

Light-curing resin for the generative production of denture bases for removable dentures



Indications

Removable denture bases

Advantages

- Natural gingiva shade for ambitious aesthetics
- Precise and custom-fit for high wearing comfort
- Saves time during polishing – thanks to printed surface
- Universal – compatible with commercially available resin materials and composites
- High green strength for save removal from the building platform
- Biocompatible



REF 6048 Bottle 1000 g pink

VOCO



TRUSTED PARTNER

All print partners can be found here
www.voco.dental/3dprintingpartners

CediTEC® DT Denture Teeth

CAD / CAM composite for denture teeth



Indications

Prosthetic teeth and tooth sections up to complete dental arches for removable dentures

Advantages

- Cured composite for high quality and durable denture teeth
- Translucent shade and high fluorescence for natural aesthetics
- Production of individual, accurately fitting denture teeth, reproducible at any time
- Effortless polishing for a natural gloss
- Easy to individualize without using an MMA primer
- Aesthetic, precise, individual – dentures made with the CediTEC / V-Print dentbase system



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

VOCO



TRUSTED PARTNER

The list of devices is continually extended and can be found at www.voco.dental/devicesceditecdt

CediTEC® Denture Base

High-impact PMMA for the fabrication of denture bases for removable dentures



Indications

Fabrication of denture bases for removable dentures

Advantages

- PMMA with high impact resistance and strength for a long time wearing period

- High-quality denture bases, reproducible at any time
- Three shades for an aesthetic result
- Very good polishability – individualisations possible at any time
- Aesthetic, precise, individual – dentures with the CediTEC System



REF 6195	Disc pink 30 mm, ø 98 mm
REF 6196	Disc dark-pink 30 mm, ø 98 mm
REF 6197	Disc orange-pink 30 mm, ø 98 mm

CediTEC® Adhesive

Luting system for denture teeth in denture bases



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

Produktvorteile

- Error- and bubble-free mixing
- Only the material quantity actually required is mixed
- Easy and direct application
- Subsequent additions possible
- Also usable for other systems and conventional PMMA
- Aesthetic, precise, individual – dentures made with the CediTEC / V-Print dentbase system

auto
mix

REF 6082	Set cartridge 80 g CediTEC Adhesive, bottle 4 ml CediTEC Primer, accessories
REF 2202	Mixing tips type 20, 50 pcs.
REF 2245	Easy Brush, application brushes, 50 pcs.

Futurabond® U

Dual-curing universal adhesive



Indications

Direct and indirect restorations using any light-curing, self-curing or dual-curing methacrylate-based restorative, core build-up or luting composite

Intraoral repair of fillings, ceramic veneers and all-ceramic restorations without additional primer

Weitere Indikationen zum Produkt finden Sie auf www.voco.dental

Advantages

- Applied in one layer – only 35 seconds total working time
- Outstanding adhesion compared to other universal, self or total-etch adhesives
- Moisture tolerant
- Refrigeration not necessary



REF 1571	SingleDose 50 pcs., accessories
REF 1572	SingleDose 200 pcs., accessories
REF 1574	SingleDose trial pack (SingleDose 20 pcs., Vococid gel syringe 2 ml, accessories)
REF 2246	Endo Tim, application brushes, to be used in the root canal, 50 pcs.
REF 2247	Single Tim, application brushes, 100 pcs.

FinalTouch®

Light-curing characterisation material



Indications

Personalised characterisation of direct and indirect composite restorations

Masking of tooth discolourations

Characterisation of chairside CAD / CAM veneers

Advantages

- Reproduction of enamel characteristics

- Perfect extension of VOCO's range of composite and ORMOCER® restorative materials
- Excellent handling for high-aesthetic results
- Fine material structure and homogeneous consistency for accurate application
- In the non-dripping NDT®-syringe
- 5 colours with opacity corresponding to the area of application



REF 2321	Set syringe 5 × 1.5 g (white, blue, yellow, orange, brown), accessories
REF 2323	Syringe 1.5 g white, accessories
REF 2324	Syringe 1.5 g blue, accessories
REF 2325	Syringe 1.5 g yellow, accessories
REF 2326	Syringe 1.5 g orange, accessories
REF 2327	Syringe 1.5 g brown, accessories
REF 2147	Application cannulae type 45, 100 pcs.

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