

VARSEOSMILE® TRINIQ® ONE FOR ALL



3D printing category

A SMART (R)EVOLUTION

VarseoSmile® TriniQ®

- **Maximum versatility:** one product, many treatments
- **Great functionality:** good abrasion resistance and yet gentle to antagonist teeth
- **High efficiency:** one crown or multiple restorations – all 3D printed in only 1 hour
- **Good esthetics:** 10 VITA® colors meet great translucency and natural fluorescence
- **Good usability:** easy to complement and repair and great polishing results
- **Safe placement:** Bond strength above the standard
- **Great longevity:** High color stability
- **High safety:** very good biocompatibility





THE SMART (R)EVOLUTION

VarseoSmile® TriniQ®

Intended for versatile applications

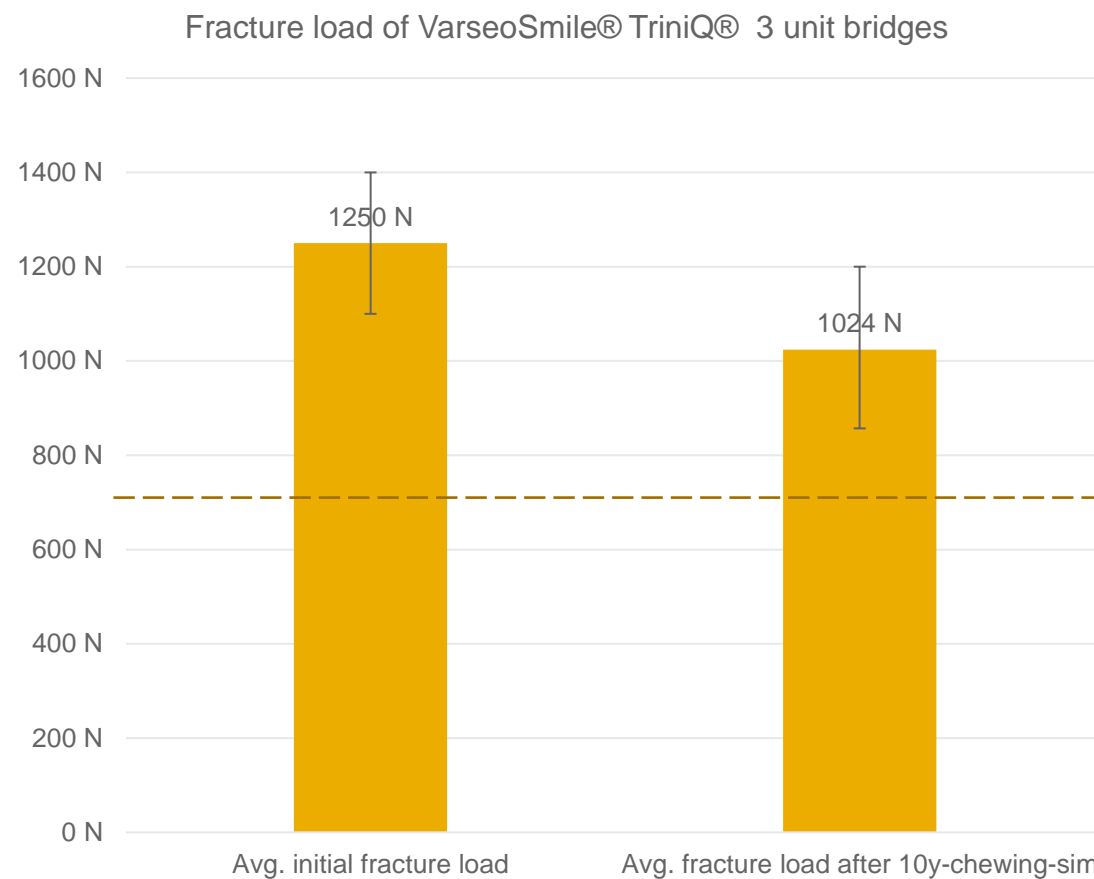
- Permanent bridges (single pontic)
- Permanent single tooth restorations
- Temporary single tooth restorations
- Temporary bridges
- Denture Teeth

VarseoSmile®
TriniQ®
ONE FOR ALL



HIGH MECHANICAL STABILITY

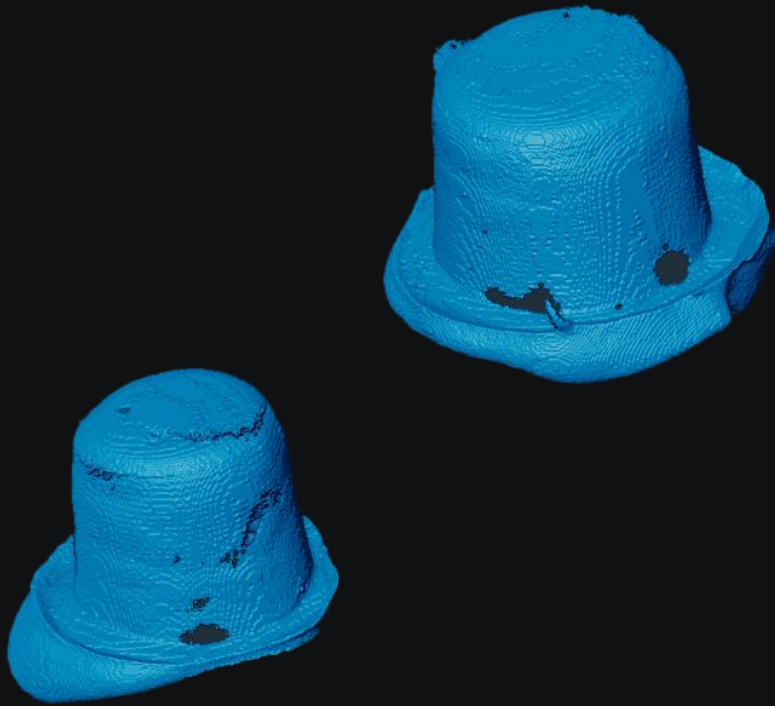
VarseoSmile® TriniQ® for permanent bridges



STRONG BOND OVER A LONG TIME

μCT-Analysis of bridge cementation before and after 10-year-chewing-simulation*

Before



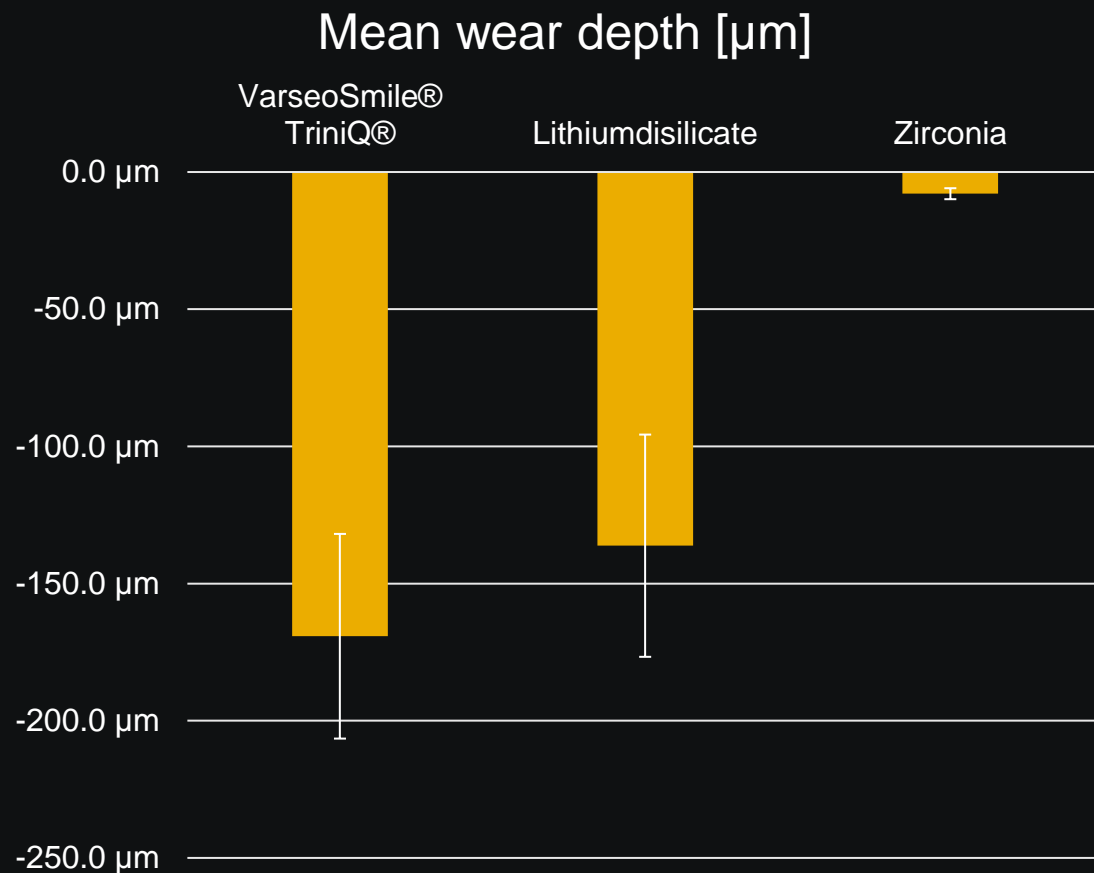
After



*random choice of 16 identical CT-images

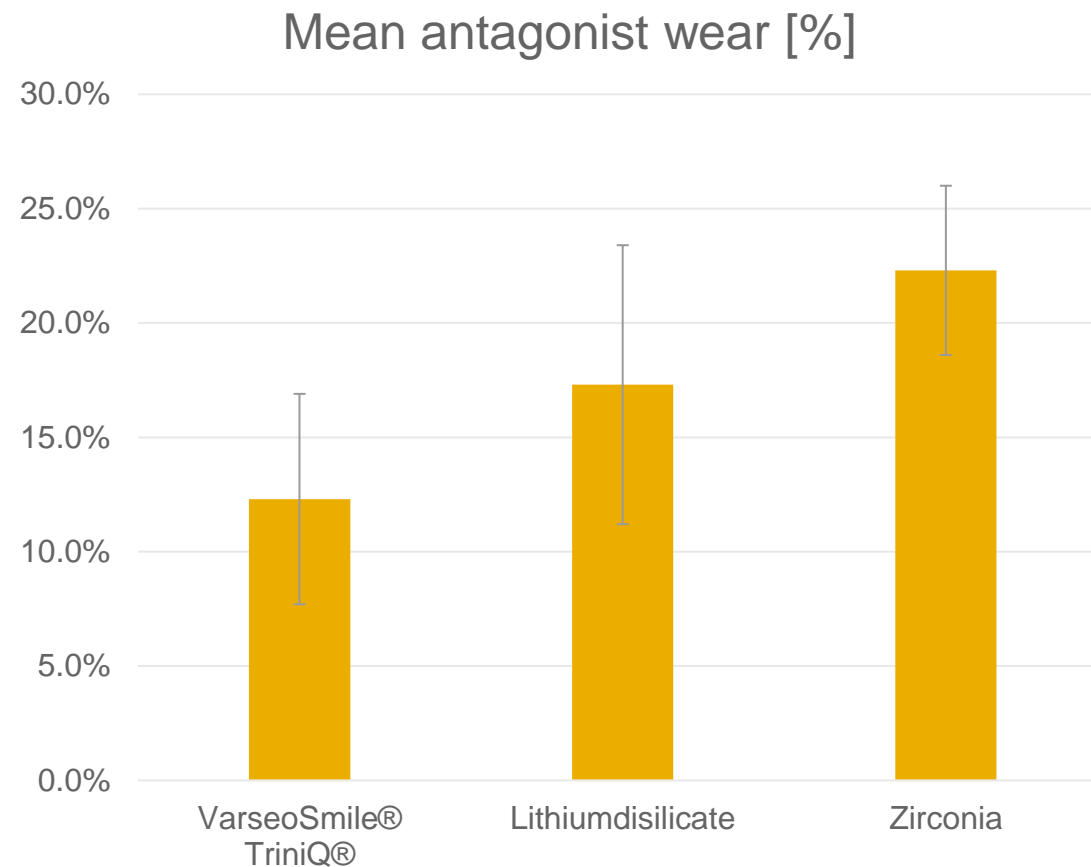
GOOD ABRASION RESISTANCE

VarseoSmile® TriniQ® pin-on-block wear test*



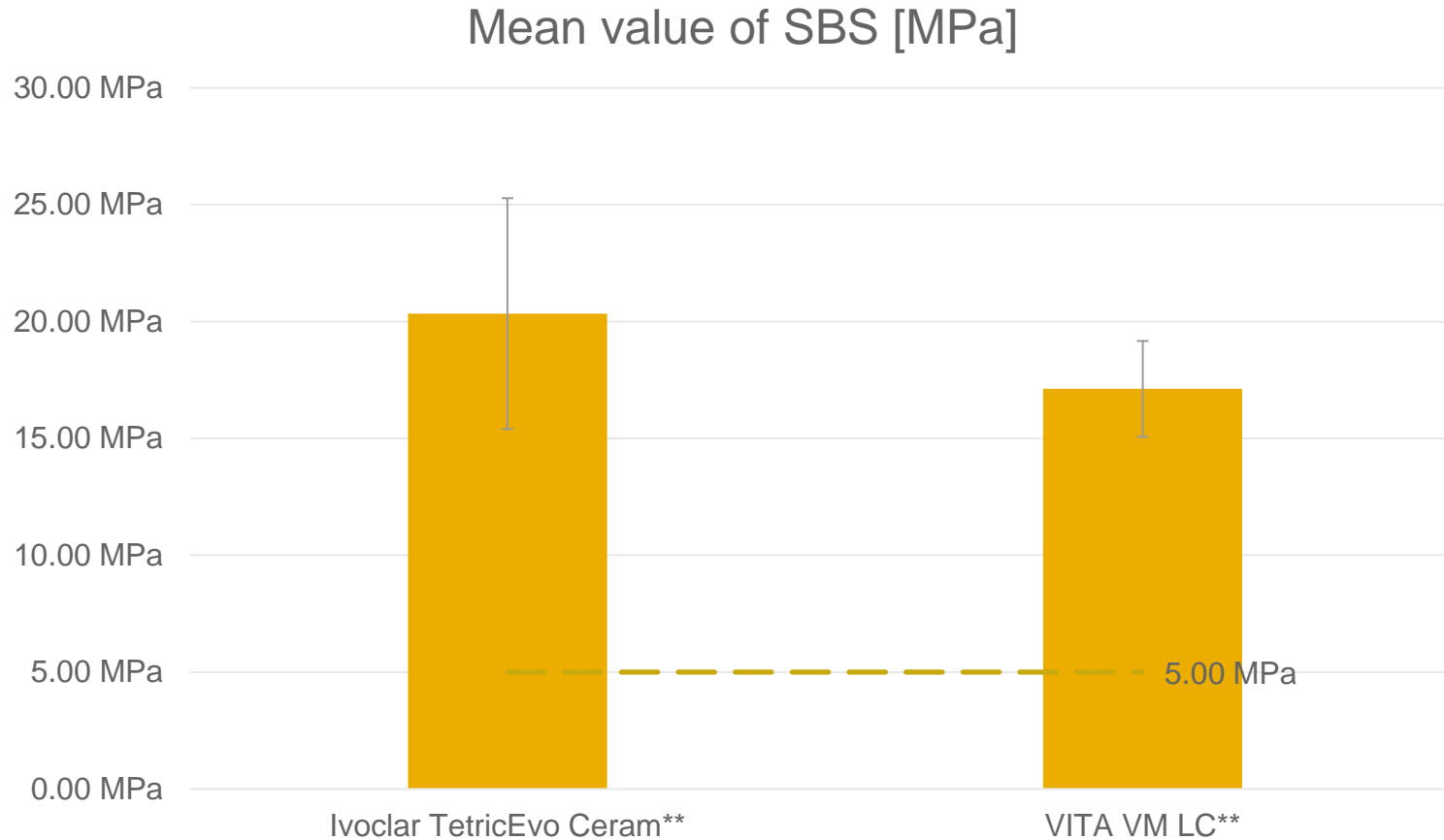
* Test performed by UKR Universitätsklinikum Regensburg

GENTLE ON ANTAGONIST TEETH



EASY TO COMPLEMENT AND REPAIR

Shear bond strength of VarseoSmile® TriniQ and dental composites*



* Test performed by CHARITÉ-Universitätsmedizin Berlin; specimen group n = 5

**This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.

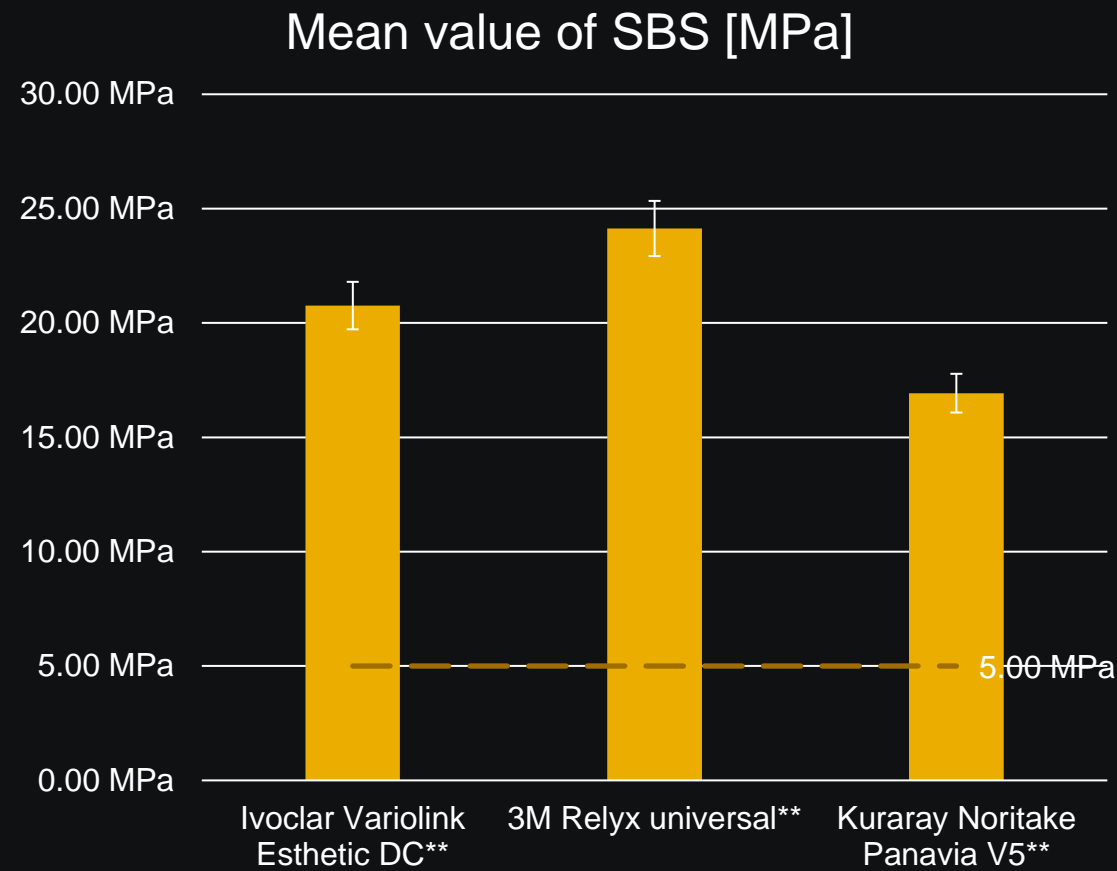
Shear bond strength significantly above the requirements of EN ISO 10477:

- Complement and repair VarseoSmile® TriniQ restorations intra- as well as extraorally
- Add close to natural esthetics with cut-back-technique using commercially available veneering composites and stains



ABOVE THE STANDARD

Shear bond strength of Varsesmile TriniQ with adhesive cements*



* Tests performed by CHARITÉ-Universitätsmedizin Berlin; specimen group n = 5

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PATIENT SAFETY GUARANTEED

High biological safety of VarseoSmile® TriniQ

1

Chemical characterization

All leachable and extractable substances found are well **below the specified limits**.

3

Irritation

Based upon the results obtained and in line with ISO 10993-23:2021, the given test item, VarseoSmile® TriniQ, supplied by BEGO Bremer Goldschlägerei, is **considered as non-reactive** under the conditions of the present study.



2

Cytotoxicity

The cell growth inhibition of L929 mouse fibroblast cells by the test items was 2,2% after 48h incubation. The test item is therefore considered to have **no cytotoxic effect**.

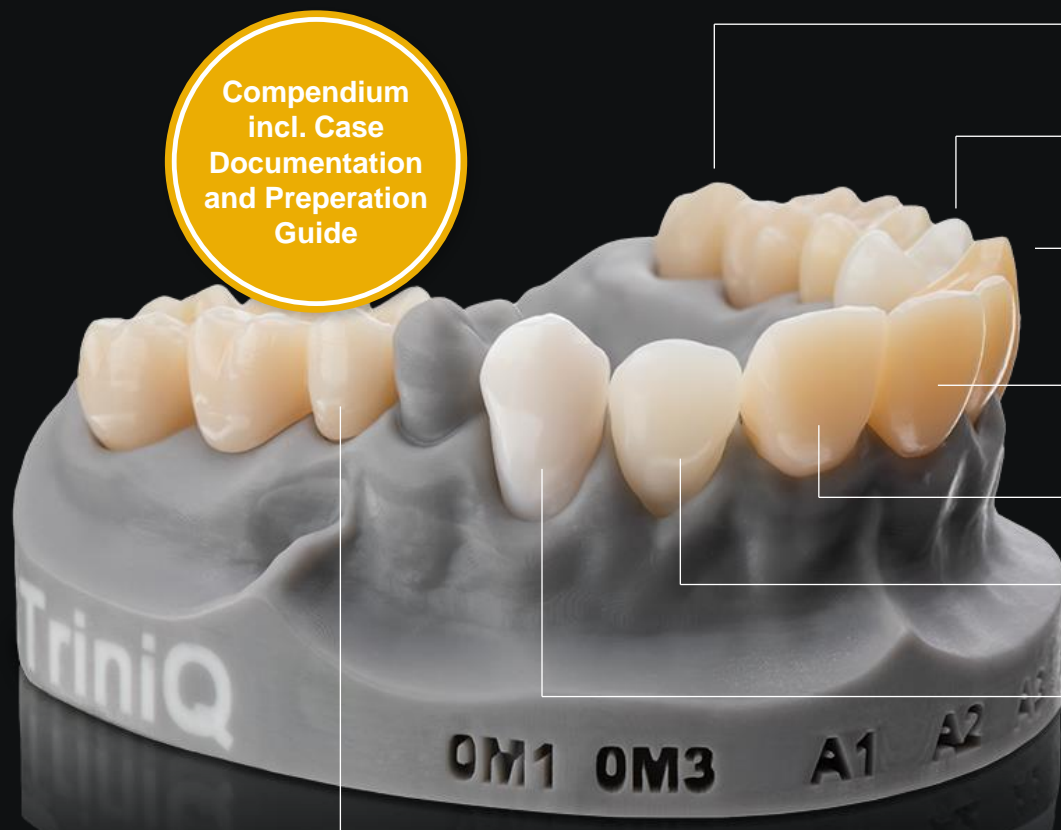
4

Sensitization

Based upon the results obtained and in line with ISO 10993-10:2021, the given test item, VarseoSmile® TriniQ, supplied by BEGO Bremer Goldschlägerei, is **considered as non-sensitizer** under the conditions of the present study.

OUTSTANDING PATIENT SAFETY AND USER-FRIENDLINESS

More test results in the VarseoSmile® TriniQ® Compendium



Compendium
incl. Case
Documentation
and Preperation
Guide

Easy to repair and supplement with
direct filling and veneering composites

Natural fluorescence

Simple and durable polish, even
after steam blasting

Secure and strong bond with
adhesives

Good visibility on radiographs

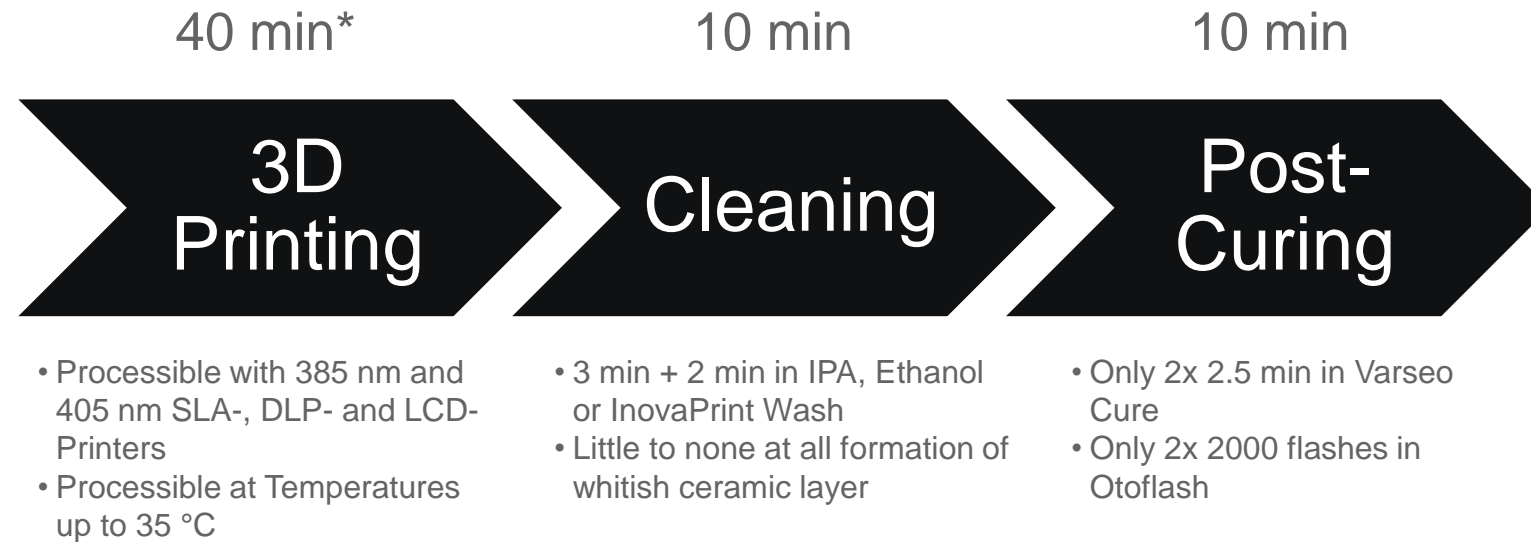
High biological safety

Low viscosity, low mixing effort, low
sedimentation

Real 120 MPa Flexural Strength
according to ISO 4049

CREATE A BROAD VARIETY OF DENTAL RESTORATIONS IN ONLY 1 HOUR

VarseoSmile® TriniQ® validated workflow



* Depending on 3D-printer

The Varseo® workflow

- Designed for efficiency
 - Short cleaning and curing cycles
- Flawless and error free material processing:
 - Only 2 min mixing, no bubbles
 - Low viscosity
- Highly precise printing quality
- A maximum of stability and safety for best clinical results

LARGE INSTALLED BASE RIGHT FROM THE BEGINNING

VarseoSmile® TriniQ® validated components

Compatible
equipment
overview:



3D printing

- BEGO Varseo XS
- Asiga Max 385 & 405
- Ackuretta SOL
- Rapidshape D20, D30, D50
- Formlabs (expected 06/2024)
- Planmeca Creo C5 (expected. 06/2024)
- Shining 3D L4D (expected 06/2024)

Cleaning

- Ultrasonic bath 3 + 2 min with IPA, Ethanol or InovaPrint Wash
- Ackuretta Cleani
- Rapid Shape RS wash

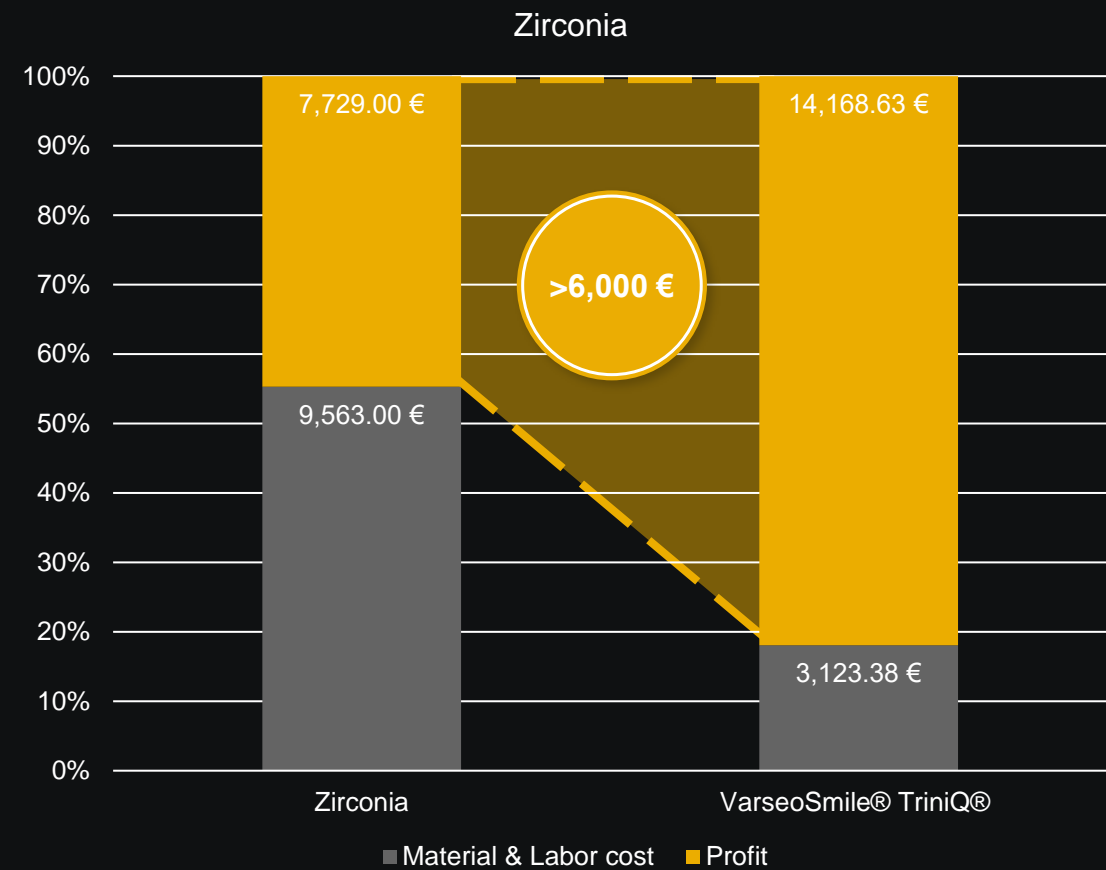
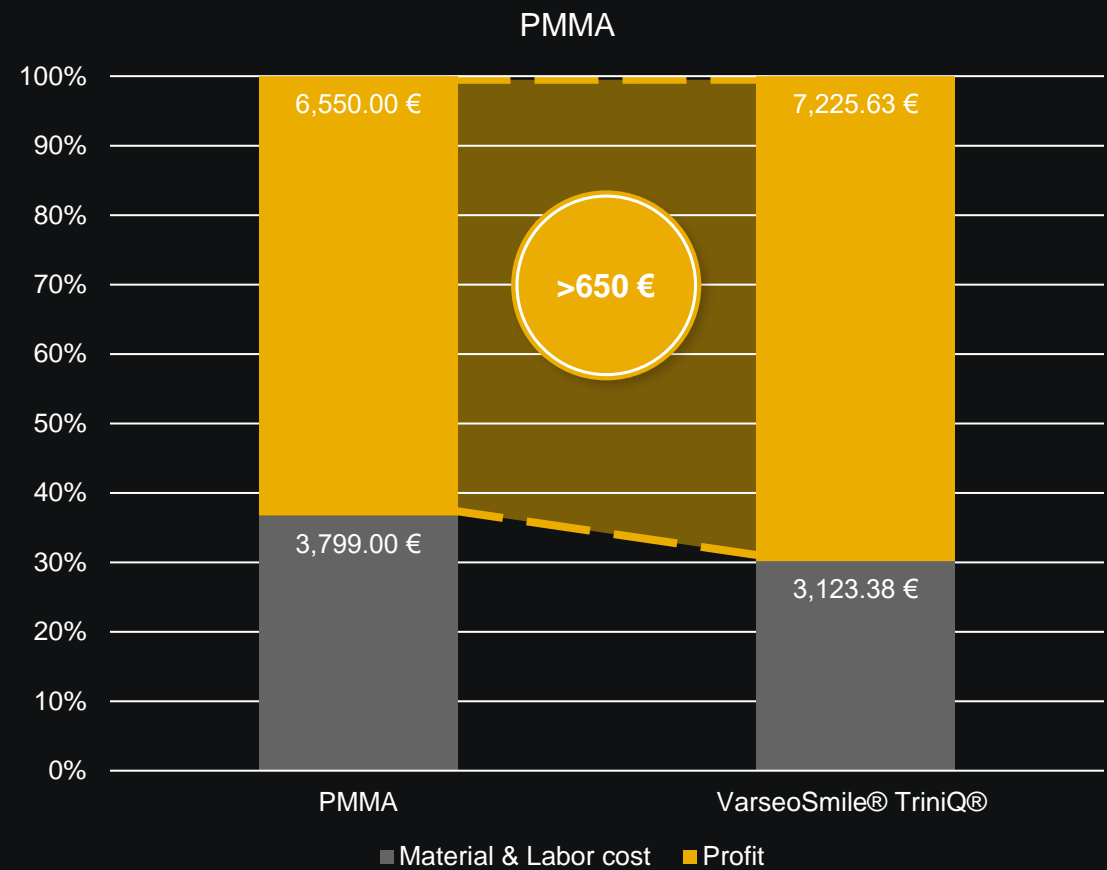
Post curing

- BEGO Otoflash
- Ackuretta Curie (Varseo Cure)
- Ackuretta Curie Plus
- Rapid Shape RS cure
- Formlabs (expected 06/2024)



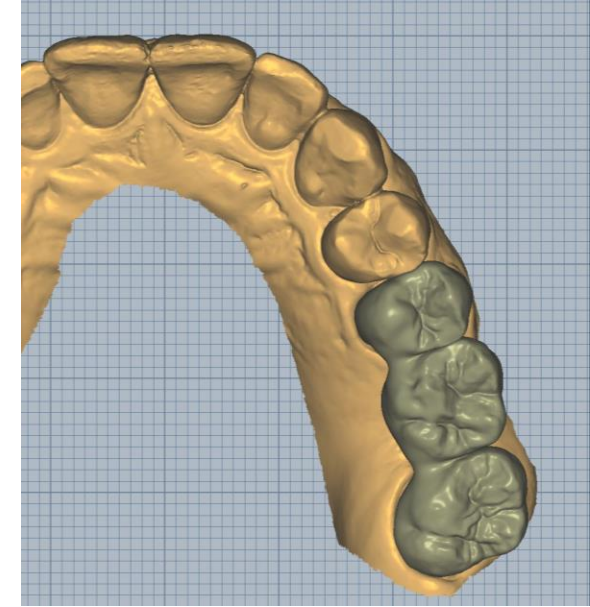
INCOMPARABLY HIGH PROFIT PER BOTTLE

Example calculation with 500 g VarseoSmile® TriniQ®



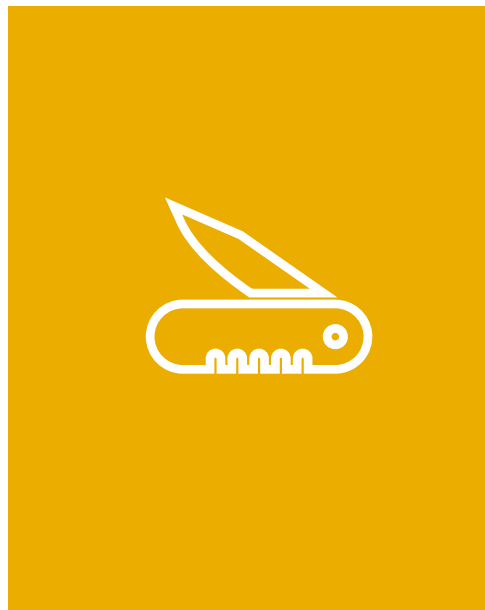
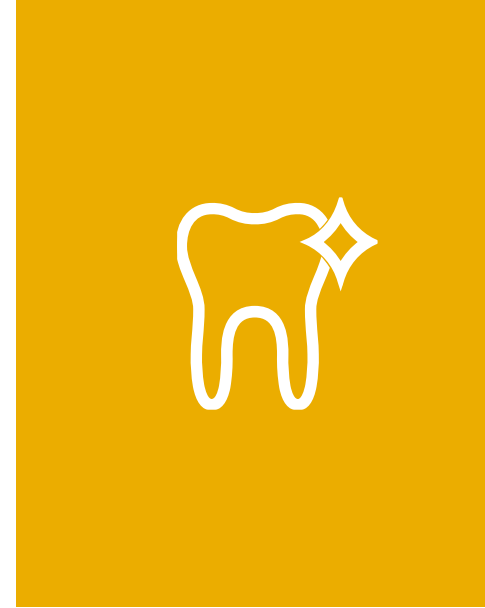
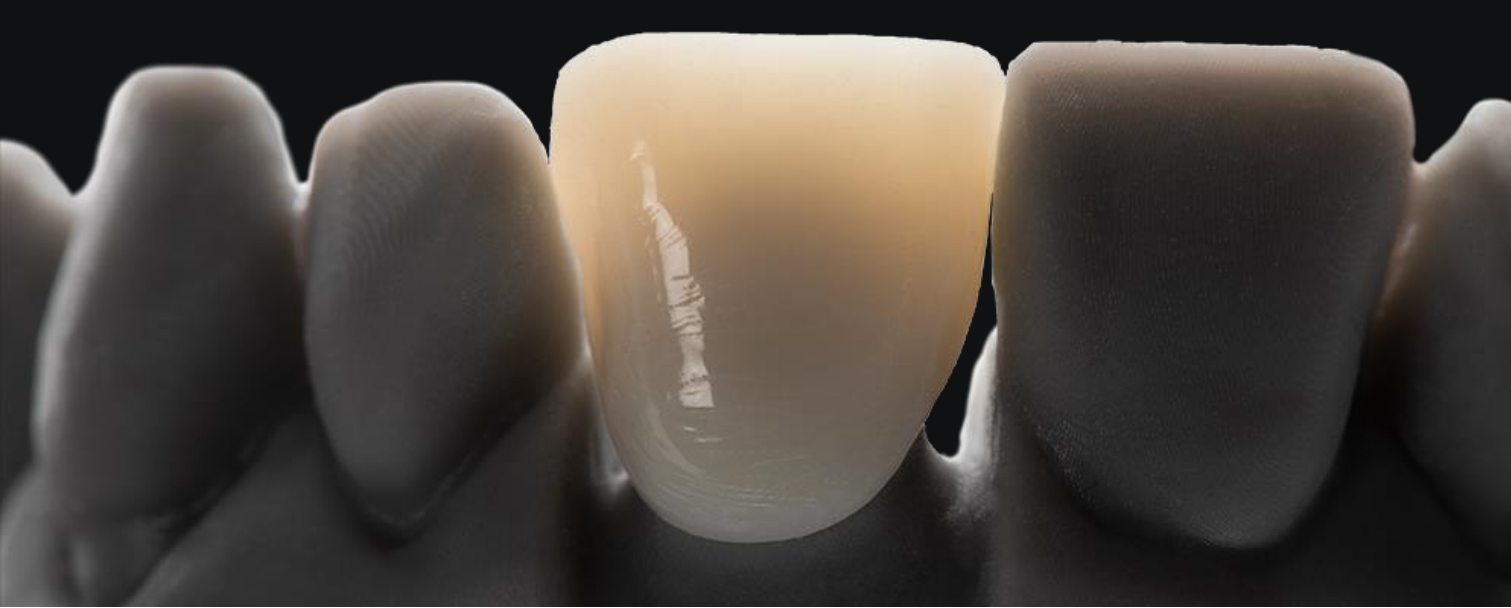
Feedback from VarseoSmile® TriniQ® Users

-



Patient with high chewing forces broke existing bridge restoration. Metal structure was contra-indicated, zirconia or lithiumdisilicate were too expensive for the patient. It was decided to proceed with VarseoSmile® TriniQ. Natural Tooth were A3.5, printed was A3, then individualized with composite stains. The restorations showed very precise margins, however had to be slightly adjusted on the occlusal surface.

*case and pictures by Alessandro Bonaca, Bonaca Odontotecnici, Italy



A 3D molecular model of a polymer chain, featuring yellow spheres (likely sulfur or oxygen) and grey spheres (likely carbon or silicon) connected by grey rods. The structure is shown in a zig-zag pattern across the top half of the slide.

THANK YOU FOR YOUR ATTENTION

Miteinander zum Erfolg

