



# BIO-ESTHETICS AND FUNCTION IN ONE APPOINTMENT

## **edelweiss CAD/CAM BLOCK**

### T-BLOCK/C-BLOCK/i-BLOCK

The new edelweiss CAD/CAM BLOCKs have a homogenous glass phase manufactured through a process of controlled laser sintering technology fusing the individual glass crystals. For the first time, the properties of both particle reinforced and predominately glass ceramics are featured in a single hybrid glass block, having the strength of reinforced ceramics, the optical properties of predominantly glass ceramics and the flexibility of dentin. Its versatile application together with its time and cost saving procedure makes the edelweiss CAD/CAM BLOCKs a sound investment in the future with the patient's best interest in mind.

Convince yourself

# THE EDELWEISS DIGITAL WORKFLOW

## **T-BLOCK**

Translucent Enamel

## **i-BLOCK** Implant

Translucent Enamel & Chroma

## **C-BLOCK**

Chroma



A0



A1



A2




A3

The new era in CAD/CAM design by edelweiss dentistry, combines modern laser sintering to produce a solid hybrid glass phase to achieve optimum esthetics and high strength.

Three technologies in a single edelweiss CAD/CAM BLOCK:

- glass ceramics for esthetics
- particle filled ceramics for strength
- resin technology for resilience

A close-up photograph of a laser sintering process. A copper-colored nozzle is positioned above a white powder bed, with a bright orange laser beam focused on the surface, creating a small, glowing molten spot.

The difference lies in it's manufacturing process.

# ATTRITION / ABRASION

**edelweiss CAD/CAM BLOCK**





# MISALIGNED / DIASTEMA

**edelweiss CAD/CAM BLOCK**





# DISCOLOURED / CHIPPED TEETH

**edelweiss CAD/CAM BLOCK**







# DISCOLOURED / SHORTENED TEETH

**edelweiss CAD/CAM BLOCK**





# DISCOLOURED / CHIPPED TEETH

**edelweiss CAD/CAM BLOCK**



# CROWN / VENEERS

**edelweiss CAD/CAM BLOCK**



# DISCOLOURED TEETH / DIASTEMA

**edelweiss CAD/CAM BLOCK**



# TOOTH WEAR / DISCOLOURED TEETH

**edelweiss CAD/CAM BLOCK**



# ATTRITION / ABRASION

**edelweiss CAD/CAM BLOCK**







# BRUXISM / TOOTH WEAR

**edelweiss CAD/CAM BLOCK**





# RETROCLINED TEETH

**edelweiss CAD/CAM BLOCK**





# RETROCLINED TEETH

**edelweiss CAD/CAM BLOCK**





# RETROCLINED TEETH

**edelweiss CAD/CAM BLOCK**





# BRUXISM / TOOTH WEAR

**edelweiss CAD/CAM BLOCK**



# DISCOLOURED TEETH

**edelweiss CAD/CAM BLOCK**





# i-BLOCK: Customised screw-retained implant supported crowns

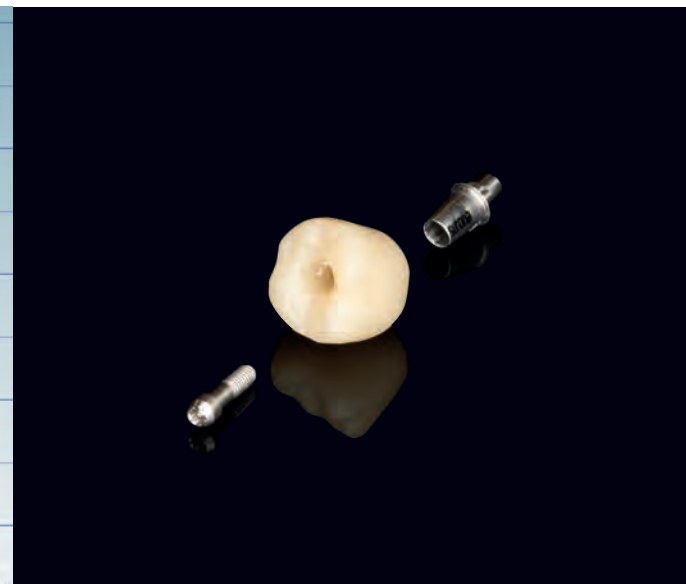
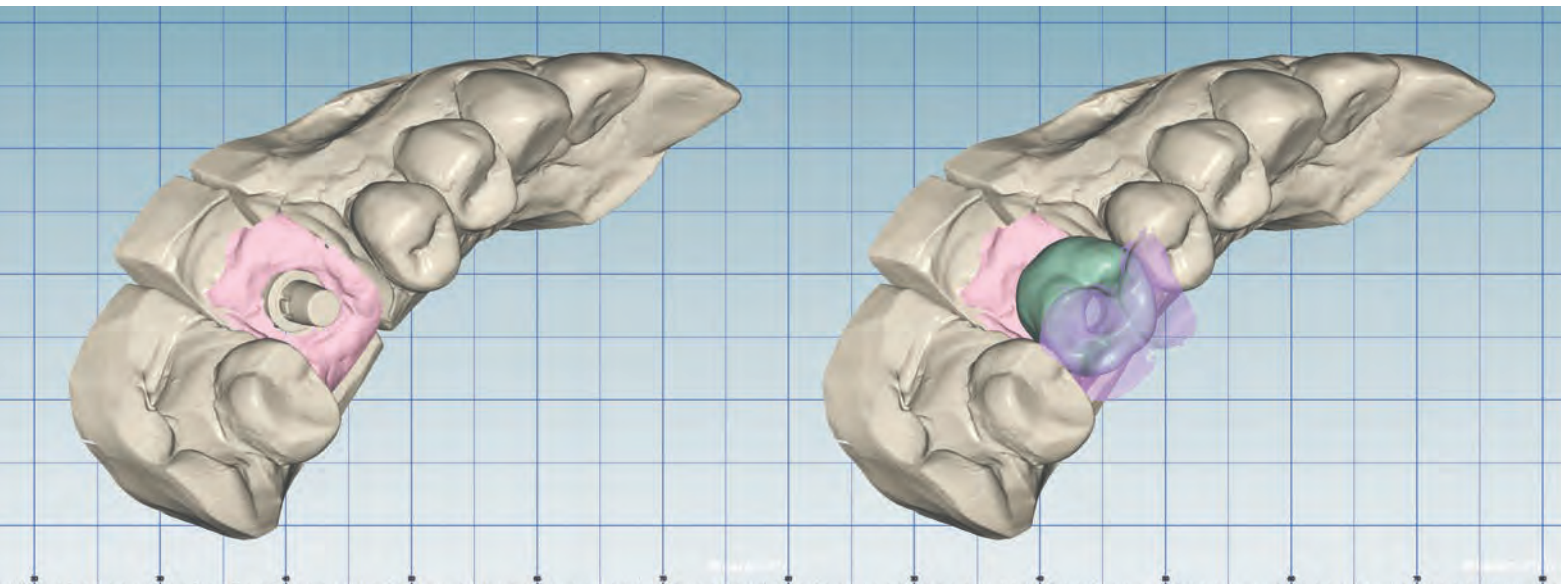
**edelweiss CAD/CAM BLOCK**



*Single unit as  
abutment crown*



*Mesostructure  
and crown*



i-BLOCK

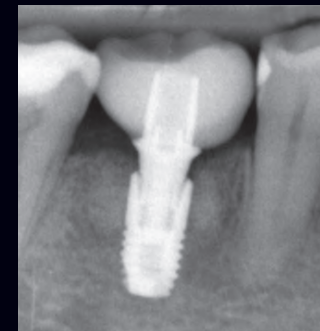
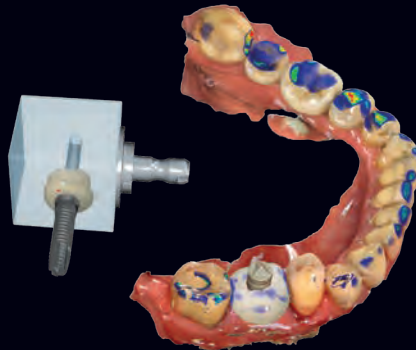
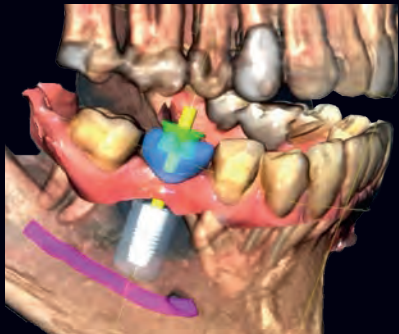
**edelweiss CAD/CAM BLOCK**





# i-BLOCK – the procedure: Model based digital workflow

## edelweiss CAD/CAM BLOCK

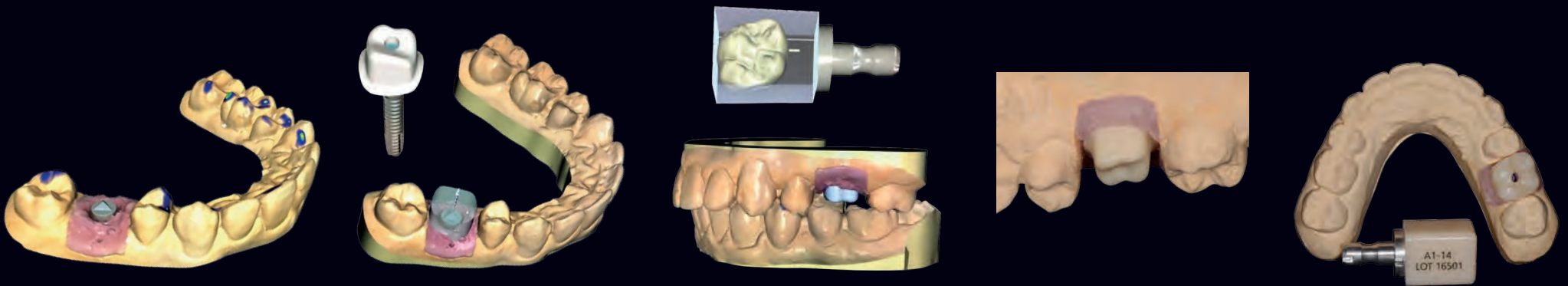


Surgical placement of implant and intra oral scan of the initial situation.

The base edelweiss iBLOCK + crown (edelweiss C-BLOCK) was designed and milled.  
The TiBase + edelweiss Base + edelweiss Crown was checked for fit.  
Final placement and checked in occlusion.



# Immediate loading digital workflow



Initial situation scanned and virtual extraction done on patient.  
Implant and crown planned virtually.  
On the patient, tooth was extracted and implant placed.

Custom base was milled with edelweiss iBLOCK for optimum biological seal and emergence profile.  
The crown was milled with edelweiss C-BLOCK.  
The TiBase + edelweiss Base + edelweiss Crown was fit together and placed onto the implant.

# Step by Step

## edelweiss CAD/CAM BLOCK

### TOOTH PREPARATION

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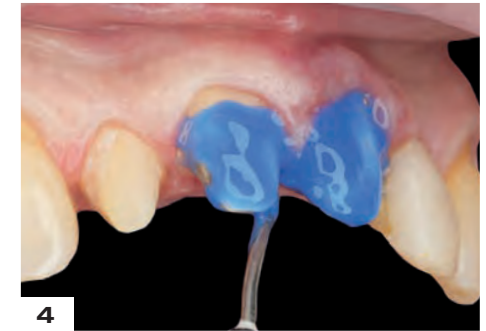
Prepared teeth after removal of old ceramic restorations.



Occlusal view of prepared anterior teeth.



Try in of crown.



Etching with 37 % phosphoric acid.



Rinse thoroughly with water to remove etchant.



Application of adhesive bonding agent to tooth surface.



Gently air dry.



Light-cure for 20 seconds.

## CROWN PREPARATION & PLACEMENT



Milling of the Block to make the final crown.



Smooth out attachment point with fine-grain diamond burs. Final polish using cotton/linen buffs.



Application of edelweiss Bond onto the inner surface of crown.



Light-cure for 10 seconds.



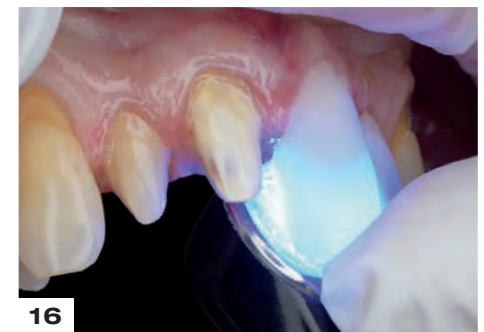
Tooth shade matched using appropriate composite color.



Placing composite evenly into the crown - ready for placement.



Placing crown and removal of excess material at the marginal area.



Final light-cure for 20 seconds at each side followed by finishing marginal edges with diamond bur and polishers.

# Step by Step

## edelweiss CAD/CAM BLOCK

### VENEER PREPARATION & PLACEMENT

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17

Occlusal view of prepared lower teeth.



18

Bonding with adhesive bonding agent, air dry and light-cure for 20 seconds.



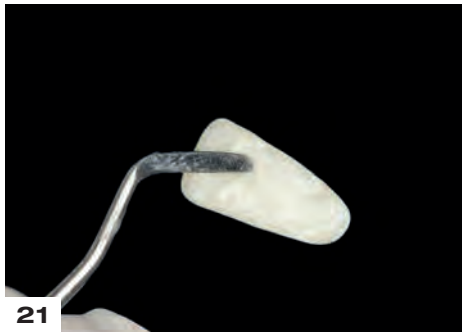
19

Placing a thin layer of edelweiss Bond on the veneer and light-cure for 10 seconds.



20

Placing composite using appropriate composite color.



21

Prepared veneer filled with composite, ready for placement.



22

Placement of veneer.



23

Light-cure for 20 seconds from each side.



24

Finishing with fine diamond bur and polishers.



**BEFORE**

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**AFTER**

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beautiful innovation you can trust

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