



## THE CAMLOG® IMPLANT SYSTEM – IDEAL WITH ALL ITS ADVANTAGES

**Freedom of choice** with maximum flexibility

**User-friendly** with innovative details

**Accuracy** for maximum safety

camlog



FOR MAXIMUM **FREEDOM**  
**OF CHOICE,**  
USER-FRIENDLINESS  
AND **ACCURACY**





## INTRODUCTION

The best ideas come from the practice. This has been the guideline of CAMLOG since the introduction of the CAMLOG® Implant System in 1999 – and it has played a major part in our success. Today, the CAMLOG® Implant System is among the leading implant systems. More than a million CAMLOG® implants have been inserted to date.

CAMLOG is one of the leading companies in the world, judged by the scientific documentation of successful treatments. Whether implant surface, time of implant placement or implant loading, primary stability, connection design, type of superstructure or long-term success rates of more than 10 years – the CAMLOG® Implant System is a success in all aspects.

With every implant, every single component, CAMLOG sets the pace as a partner for the dental practice by offering reliable, user-friendly solutions.

**This brochure is intended to give you an overview and to present the convincing product advantages of the CAMLOG® Implant System briefly and clearly. It's not just one but the sum of all advantages that really counts in practice.**

## THE CAMLOG® TUBE-IN-TUBE™ CONNECTION

The heart of the CAMLOG® Implant System is the internationally patented Tube-in-Tube™ implant-abutment connection. The special geometrical principle with three short grooves/cams and the precise connection ensure distribution of force and torque among the separate components. The CAMLOG® implant-abutment connection mainly form-fitting and has been biomechanically optimized with detailed finite-element analysis. It has been proven over many years in more than 1,000,000 implant placements. The three cams make the system unmistakable and unique.

The CAMLOG® Tube-in-Tube™ connection has been subjected to intensive scientific testing. Comparative studies with other well-known implant systems have demonstrated that the CAMLOG® connection yields above-average results for leakage prevention and fitting accuracy.

**The “tube” of the abutment ensures simple, fast and secure orientation in the implant longitudinal axis. The 3-cam system simplifies positioning: the abutment is rotated until the cams can be felt to slide into the grooves of the implant and therefore into the final position.**

### ADVANTAGES AND BENEFITS OF THE TUBE-IN-TUBE™ CONNECTION

Three possible position options for the abutments

- Fast and uncomplicated insertion and alignment without auxiliary components
- Economical due to time-efficient handling

Virtually perfect transfer through very good fit

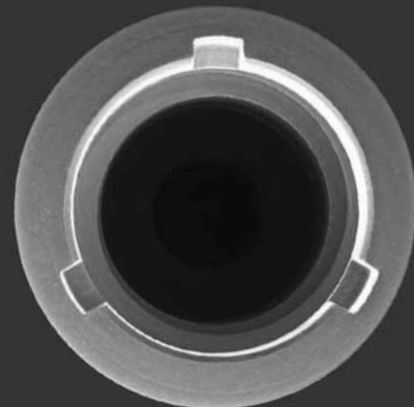
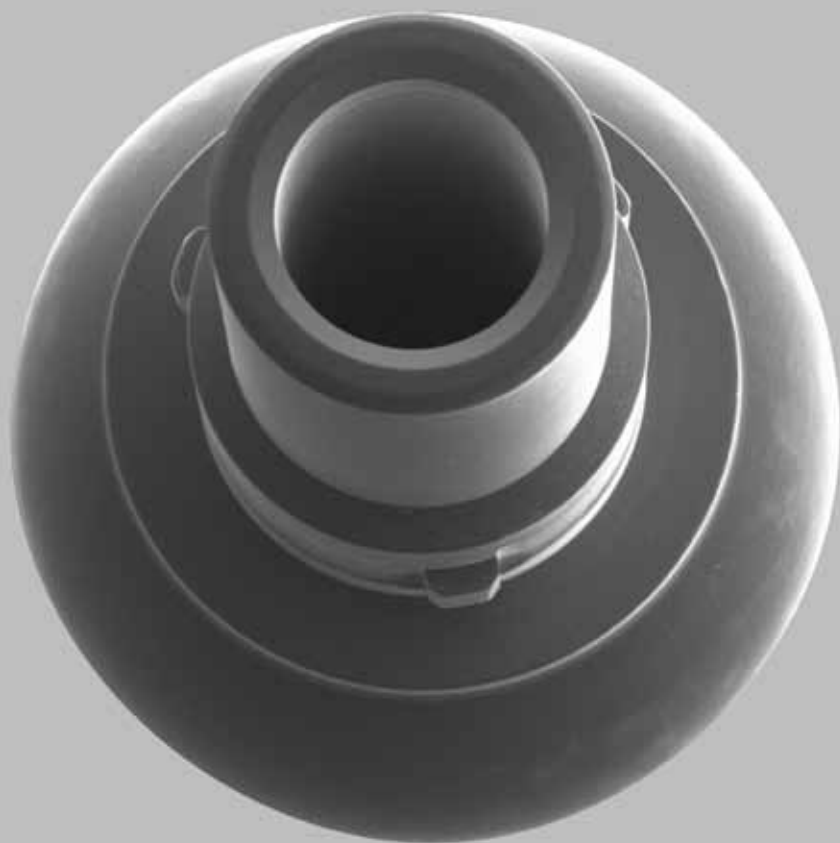
- Only minimal tightening force required for abutment retaining screw
- High long-term stability and error reduction

No additional transfer aids required

- Time- and cost-saving

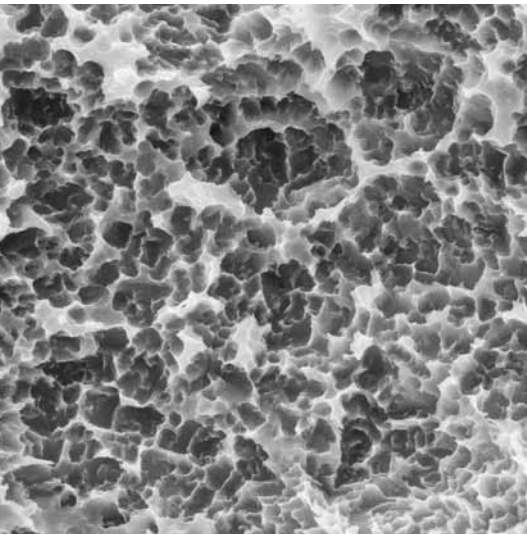


MAXIMUM  
**ACCURACY** FOR  
YOUR **SAFETY**



The patented Tube-in-Tube™ connection:  
Accuracy and simple handling.

TO THE **SMALLEST**  
**DETAIL,** EVERYTHING  
OTHER THAN **SUPERFICIAL**



**PROMOTE® SURFACE**

The abrasive-blasted, acid-etched Promote® surface conforms to current scientific innovations. It is proven and favors fast osseointegration. Scientific results from cell cultures, bone histology and removal torque values along with clinical trials are all impressive proof.



# THE CAMLOG® IMPLANTS AND THE OPTION OF PLATFORM SWITCHING

## IMPLANT TYPES



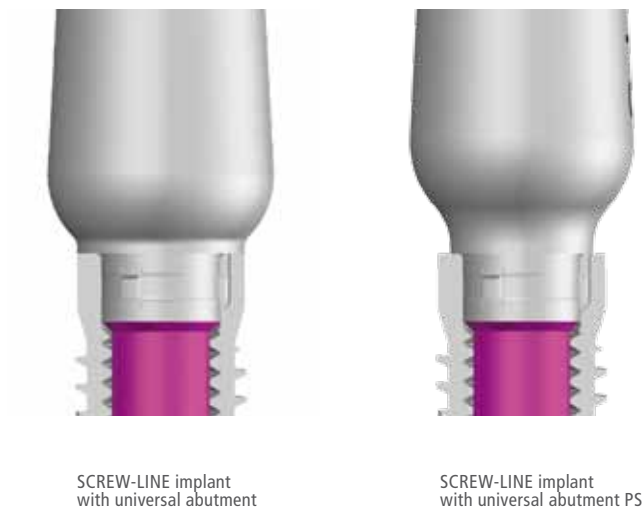
## CAMLOG SCREW-LINE

SCREW-LINE implants are shaped as tapered screw implants. They are available with machined implant necks in two different widths.

SCREW-LINE implants are suitable not only for late implant placement but also for immediate or delayed immediate implant placement. The taper of the implant body of 3°–9° (depending on length and diameter) makes placement simple with its self-centring. The self-tapping thread provides a complete grip on the bone and high primary stability. The optimum rounding of the apical shape guarantees atraumatic insertion of SCREW-LINE implants into the bone.

SCREW-LINE					
Diameter	3.3	3.8	4.3	5.0	6.0
Length / mm					
9	—	✓	✓	✓	✓
11	✓	✓	✓	✓	✓
13	✓	✓	✓	✓	✓
16	✓	✓	✓	✓	✓

## PLATFORM SWITCHING (PS)



## THE IMPLANTS DON'T DEFINE THE PROCEDURE, YOU DO!

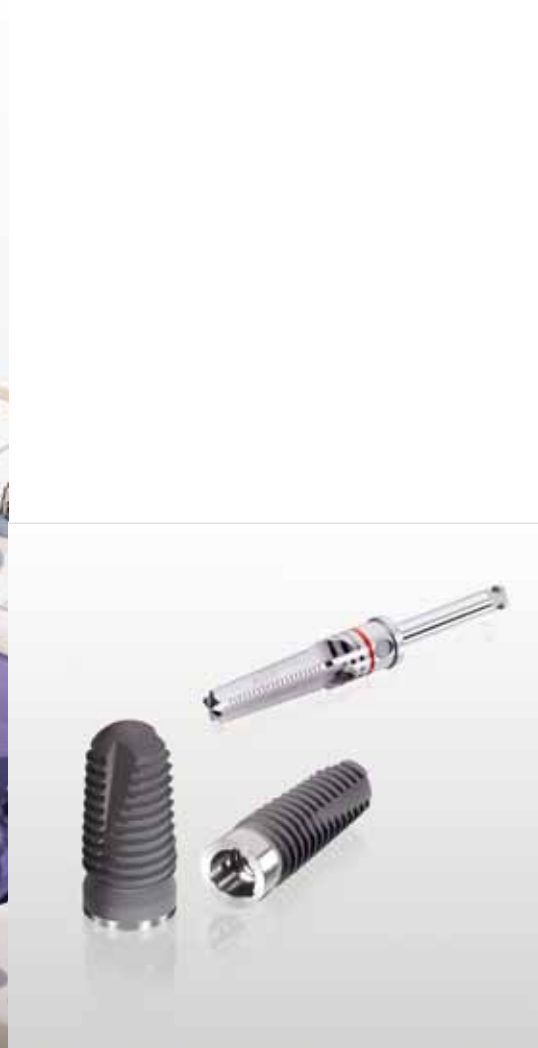
CAMLOG® SCREW-LINE implants give you freedom of choice: Platform Switching or not.

With Platform Switching, it can be possible for the soft tissue to be horizontally shaped over the implant shoulder.

\* machined implant neck section



SIMPLE **HANDLING**  
CLEARLY **DEFINED**





## THE SURGERY

CAMLOG stands for consistently thought-out, logical handling. The innovative design of the implants and the surgical instruments simplify the complete surgical procedure. The type of healing, the soft-tissue management and the prosthetics all ensure that CAMLOG® implants give you maximum freedom of choice with maximum user-friendliness.

### ALL ADVANTAGES AT A GLANCE

- Logical sequence of drills with color-coded instruments arranged in the surgery set in order of use
- Depth stops and laser markings for safe implant placement
- Matt surface on drills to prevent reflections and for good visual control
- Drill design and quality enable effective and accurate drilling
- Cortical bone drill for controlled circular preparation in hard cortical bone
- Insertion optionally:
  - power-assisted
  - manual
- Torque wrench with infinite torque adjustment up to 30 Ncm, can also be locked
- The cover screw is in the handle and can very easily be removed and inserted
- The insertion post head can normally be removed without locking after placement of the implant

## HEALING

With CAMLOG® implants, you can select either submerged or open healing. A cover screw is included with every implant, which can be used for submerged healing.

### SUBMERGED HEALING



Cover screw and wound closure

### OPEN HEALING



Healing cap, cylindrical



Soft-tissue regeneration with healing cap PS, bottleneck



Healing cap, wide body

For successful soft-tissue management, you can select among three different types of healing caps. All healing caps are also available for Platform Switching in various gingival heights.

# THE CAMLOG® GUIDE SYSTEM

Optionally to conventional planning procedures and supplementary to the CAMLOG® SCREW-LINE surgery set, the CAMLOG® GUIDE system provides a template-guided alternative for implant placement based on various digital 3D planning systems.

In case of planning with a 3D system, the CAMLOG® Guide system enables you simple and safe implant site preparation and implant placement. All physiological structures can be considered when planning the exact implant position. The high degree of accuracy of CAMLOG® products and the ease of use enable you to take advantage of all the benefits of software-based 3D implant planning and to implement them. You are independent of a system and you have the option of working with multiple 3D planning programs.

Because of the exact 3D planning options for the implant positions, the temporary restoration can be manufactured even before the operation by means of the drilling template and the insertion posts CAMLOG® Guide for lab analogs. Thus, you are able to give your patients a temporary restoration immediately after the operation.

## ALL ADVANTAGES AT A GLANCE

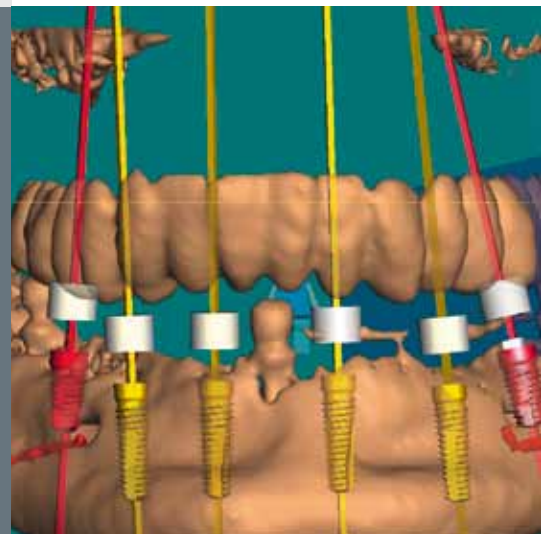
- Freedom to select among multiple planning systems  
(see also [www.camlog.com](http://www.camlog.com))
- Consistent implementation of all advantages of software-based 3D implant planning
- When the laboratory-based manufacture of the surgical guide is selected, the added value remains in the dental laboratory
- Guide sleeves are fixed to the guide (single-sleeve solution)
- Accurate preparation of the temporary restoration and its immediate delivery
- Color-coded guide sleeves, integrated depth stop
- Simple application without additional sleeves and depth stops being required
- Easily managed system with a small number of required components
- No investment in additional instrument trays required
- Optimum cutting edge maintenance and hygiene of cutting instruments by sterility and single-use
- High accuracy with perfectly matched CAMLOG® products –  
"everything from one source"



SCREW-LINE implant CAMLOG® Guide with special insertion post for guided placement



# THE VIRTUAL OPTION – A CONVINCINGLY SIMPLE SOLUTION

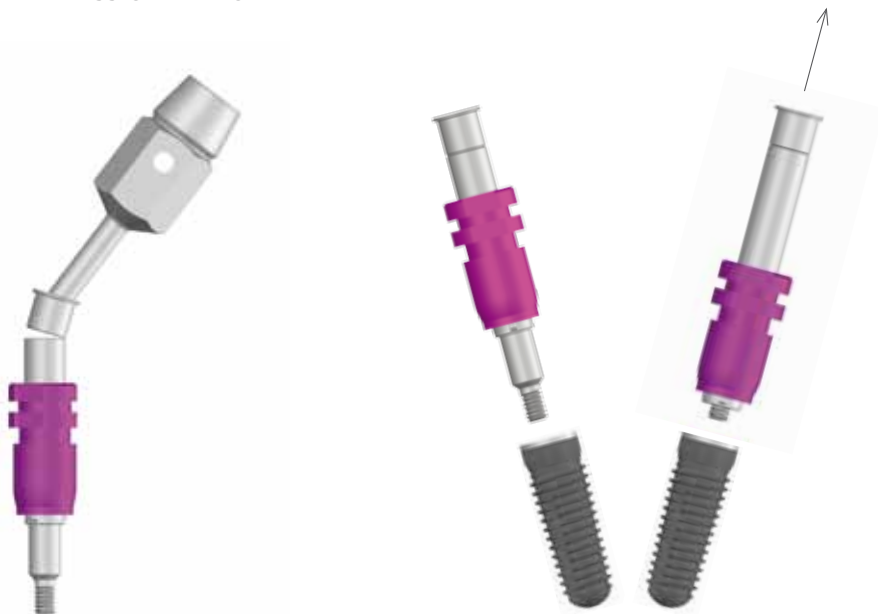


Virtual 3-dimensional implant planning by  
prosthetic principles

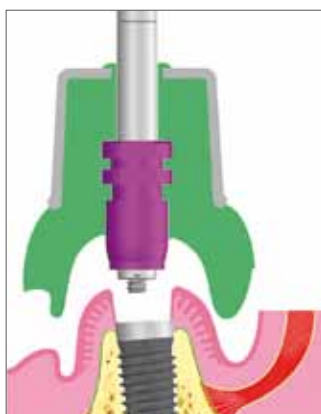
## THE IMPRESSION

The impression of the CAMLOG® implant can be made with impression posts with open or closed tray. All impression components are color-coded by the implant diameter. Highly accurate components guarantee precise transfer of the intraoral situation.

### OPEN IMPRESSION METHOD



The fixing screw has a defined breaking point, and if the occlusal space is restricted, it can be shortened by 3 mm extraorally without difficulty.



To remove the impression, loosen the fixing screw and pull it right back.

Thanks to the minimum insertion depth of the tube, impression-taking of diverging implants is possible without any problems.

### ALL ADVANTAGES AT A GLANCE

- The fixing screw open tray can be shortened by 3mm in restricted vertical spaces
- Simple impression-taking of diverging implants

### CLOSED IMPRESSION METHOD



**A** The fixing screw extends approx. 2 mm when the impression posts are correctly inserted.

**B** After screwing in the fixing screw, it is flush with the top margin of the impression post (4–5 revolutions).

The impression post is designed in such a way that the fixing screw after locking the three cams and before screwing in extends 2 mm from the impression post. After screwing in, the fixing screw is flush with the top margin of the impression post. This allows you to immediately check the correct seating of the impression post on the implant, visually. This makes an x-ray image unnecessary. The slender emergence profile even in restricted situations allows you to use the impression posts without problems.

In addition, a bite registration with a closed impression on the impression posts is possible in the same session.



SCREW-LINE implant with impression post,  
open tray

ACCURATE  
IMPRESSIONS WITH  
INNOVATIVE DETAILS

INDIVIDUAL PROSTHETIC  
COMPONENTS  
IN DETAIL



## VARIO SR COMPONENTS

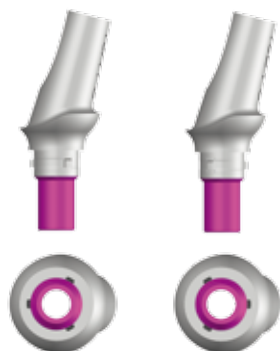


The Vario SR prosthetic components give you the option of preparing occlusally screw-retained crowns and bridge restorations with the CAMLOG® Implant System. Bar restorations are also possible. With restricted bone volume and unfavorable anatomical structures, the implants can be placed diagonally. This takes maximum advantage of the bone volume. To bridge the resulting divergent implant axes, 20° and 30° angled Vario SR abutments are available.

### ADVANTAGES

- Sterile packaged and color-coded abutments
- Bridging large implant axes divergences
- Occlusally screw-retained super-structures

## ESTHOMIC® ABUTMENTS



Partially preshaped abutment components give you optimum stump shaping options. The abutment bodies have a convex shape and an oval, anatomically preshaped shoulder form. The angled Esthomic® abutments are available in an A and a B version, which differ in a cam arrangement offset by 60°. This offers six prosthetically oriented rotation positions, to find the optimum prosthetic axis.

### ADVANTAGES

- Save time with fewer grinding corrections because of the anatomically preshaped shoulder form.
- Flexibility with the prosthetic alignment

## LOGFIT® PROSTHETIC SYSTEM



With the Logfit® prosthetic system, you can manufacture fixed, cement-retained crowns and bridges on CAMLOG® implants in the maxilla and mandible in standardized form with prefabricated prosthetic components. The application is similar to the conventional crown and bridge prosthetics in being practical and rational. The accurate impression of the abutment is done by the Logfit® impression coping, into which the Logfit® analogue is inserted. The castable Logfit® plastic coping for crowns is rotation-locked with three flat surfaces.

### ADVANTAGES

- Prefabricated plastic coping as basis for manufacture of the framework
- Prefabricated components, precisely matched to one another, permit efficient, time-saving procedures

## TITANIUM BONDING BASE PASSIVE FIT



To use the passive fit technique, a titanium bonding base with a castable sleeve is available. After the manufacture of a cast bar construction, it is cemented intraorally to the titanium bonding bases. This allows to compensate for any fitting inaccuracies, which could cause tension.

### ADVANTAGES

- Prevention of tension through innovative design
- Ideally suited particularly for large spans

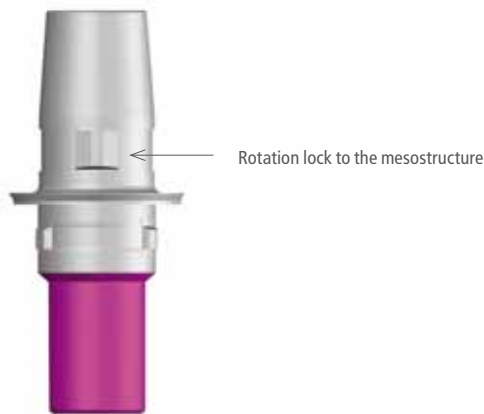


# THE CAMLOG® TITANIUM BASES CAD/CAM

The titanium bases CAD/CAM are used as adhesive bases for individual, implant-borne reconstructions of zirconium oxide ceramic and offer high fitting accuracy on the implant. The CAMLOG® titanium bases CAD/CAM are available for all implant diameters, each with an abutment screw.

## ALL ADVANTAGES AT A GLANCE

- Can be used for all CAMLOG implant diameters
- Clear and fast positioning with the proven CAMLOG Tube-in-Tube™ connection
- Accurate repositioning of the CAMLOG® titanium bases CAD/CAM in the CAMLOG® implant with patented groove-cam connection with low production tolerances
- Large adhesive surface for stable adhesion
- Manufacture with your own grinding machine means that the added value remains in the dental laboratory dental practice



## CAMLOG® SCANBODY

For accurate transfer of the implant position to the CAD/CAM software.

The scanbodies are used to record the position, the tilt and the alignment of the grooves of the CAMLOG® lab analogs in the work model.



CAMLOG® Scanbody

# INDIVIDUAL SOLUTIONS COMBINED WITH MAXIMUM SAFETY



Modelled mesostructures on titanium bases  
CAD/CAM



EVERYTHING  
**NECESSARY,**  
BUT NOT TOO MUCH



#### **COMPLETE OVERVIEW**

CAMLOG® prosthetic products in overview. Product types for varying gingival heights, with angulation or with the option of Platform Switching, are also available.

# THE CAMLOG® ABUTMENTS

## ABUTMENTS FOR CROWN AND BRIDGE RESTORATIONS



Temporary abutment



Esthomic® abutment,  
straight



Esthomic® abutment,  
15° angled, Type B



Esthomic® abutment,  
20° angled, Type A



Esthomic® abutment,  
inset



Universal abutment



Logfit® abutment



Vario SR abutment



Gold-plastic abutment



Ceramic abutment



Titanium base CAD/CAM

## ABUTMENTS FOR HYBRID RESTORATIONS



Ball abutment



Locator® abutment



Bar abutment



Telescopic abutment



Universal abutment



Vario SR abutment  
30° angled



## HEADQUARTERS

CAMLOG Biotechnologies AG | Margarethenstrasse 38 | CH-4053 Basel | Switzerland  
info@camlog.com | www.camlog.com

Manufacturer of CAMLOG® products: ALTATEC GmbH, Maybachstraße 5, D-71299 Wimsheim

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