



AMANNGIRRBACH

INHOUSE FABRICATION OF
CUSTOM TITANIUM ABUTMENTS

 **ceramill[®] ti-forms**

THE INHOUSE MOVEMENT[®]



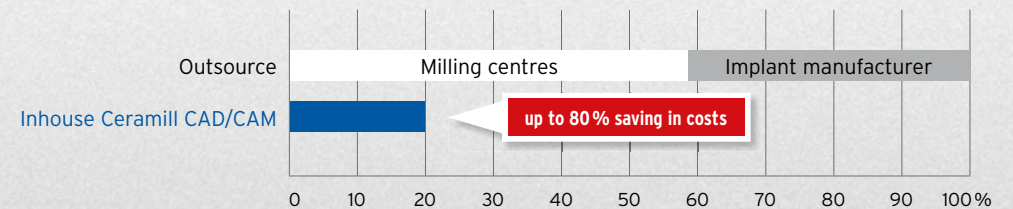
INHOUSE FABRICATION OF CUSTOM TITANIUM ABUTMENTS

Ceramill TI-Forms are titanium abutment blanks with prefabricated connection geometries, which are used for fabricating titanium abutments inhouse. The wide range of blanks available for implant systems are processed using the rotational milling technique. In rotational milling the workpiece continually rotates about its own axis while the abutment is milled from the material via multipass milling. This technique not only saves the travel paths of the cutter but also reduces the material uniformly and homogeneously as well as creating surfaces with a precise, smoothly milled pattern. Users profit from a saving in time and increase in precision with full value creation.

- _Reliable and precise due to industrially prefabricated implant connection geometry**
- _Prefabricated blanks ensure minimal tool wear and saving in time and costs**
- _High biocompatibility of the abutment blanks and screws due to the proven material Ti6Al4V (medical grade 5, ASTM 136)**
- _Titanium blanks are available for all conventional implant systems**



FABRICATION COSTS OF TITANIUM ABUTMENTS



MAXIMUM VALUE CREATION WITH THE HIGHEST PRECISION

In addition to rotational milling technology, very precise processing of the Ceramill TI-Forms is also guaranteed by a special holder geometry. It enables the blank to be processed clamped absolutely securely, distortion-free and rotationally symmetrical. This exact and constantly stable positioning of the blank on the rotation axis as well as in relation to the milling head is enabled due to bilateral fixation of the blank and ensures vibration-free and completely quiet processing. Precision calibration, which synchronises the design data with the position of the clamped blank before the milling procedure, is required once and guarantees that the height and angle of the customised abutment is fabricated correctly in relation to the connection geometry. Due to clamping the blank on the face side the implant connection geometry is not subjected to any loading or wear during milling, which could impair the fit of the abutment in the implant.

_Special holder geometry guarantees absolutely firm clamping and process reliability

_Automatic synchronisation of design data and blank position by precision calibration - ensures the correct alignment of abutment and implant connection geometry

_Rotational milling technique guarantees high surface quality and machine-friendly material processing due to uniform loading of the axis

_Clamping of the blank on the face side ensures that there is no wear or possible damage of the implant connection geometry



Processing a Ceramill TI-Forms using rotational milling



Precision calibration ensures correct alignment of the abutment and implant connection geometry

ECONOMIC, INHOUSE, PROCESS RELIABILITY

ceramill® ti-forms

Industrially prefabricated titanium abutment blanks with implant connection geometry.



ZUBEHÖR

Plug&Play blank holder for Ceramill Mikro IC and Ceramill Motion 2.



ceramill® mikro ic



ceramill® motion 2

ceramill® m-plant

Software module with integrated Ceramill TI-Forms library.



ACCESSORY

High-grade tungsten carbide cutter with excellent chip removal and long service life.



- _ High degree of process reliability due to perfectly coordinated components**
- _ Great gain in time, cost and precision thanks to complete inhouse fabrication**
- _ Maximum value creation and increased profits due to extended use of the CAD/CAM system**
- _ Seamless workflow ensures efficient, cost-effective working process with highly precise final results**
- _ Low investment costs thanks to Plug&Play blank holder**

ORDER INFORMATION

Upgrade Kit Ceramill TI-Forms Ceramill Motion 2 5X

760100	Upgrade Kit Ceramill TI-Forms Ceramill Motion 2 5X
Contents:	
179278	Blank holder rotational milling Ceramill Motion 2 5X
760615	Roto TI 1.0
760616	Roto TI 2.0
179285	Storage bar

Upgrade Kit Ceramill TI-Forms Ceramill Mikro IC

179614	Upgrade Kit Ceramill TI-Forms Ceramill Mikro IC
Contents:	
179614	Blank holder rotational milling Ceramill Mikro IC
760615	Roto TI 1.0
760616	Roto TI 2.0
	Slide callipers

Titanium abutment blanks and components for individual single abutments made of titanium can be found in our catalogues "Ceramill Implant Prosthetics" or at www.amanngirrbach.com/downloads

CERAMILL TI-FORMS COMPATIBLE IMPLANT SYSTEMS

Multi Platform Solution
Altatec® / Camlog®
Altatec® / Conelog®
BEGO Implant Systems® / Semados® S / RI / RS / RSX
BIOMET 3i® / Certain®
BIOMET 3i® / External Hex
Bredent Medical® / SKY®
DENTSPLY Implants® / ASTRA TECH OsseoSpeed® EV
DENTSPLY Implants® / ASTRA TECH OsseoSpeed® TX
DENTSPLY Implants® / XiVE® S
Medentis Medical® / ICX®
Nobel Biocare® / Brånemark®
Nobel Biocare® / NobelActive® - NobelReplace® Conical
Nobel Biocare® / NobelReplace® Tapered
Straumann® / Bone Level®
Straumann® / Tissue Level®
Zimmer Dental® / Tapered Screw-Vent®

Original System Partner
Straumann® / Bone Level®
Straumann® / Tissue Level®
MIS® SEVEN/M4/C1/V3
BEGO Implant Systems® / Semados®





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