Service spectrum

The open interface-architecture

in Organical® Dental Implant enables all participants – surgeons, referring dentists and dental-labs – to be involved in the treatment planning in the best way. The „Viewer-Edition¨provides the opportunity to present the patient case if necessary. The Implant-planning software also includes an integrated functionality for order-placement and order-administration.

	Master edition	Doctor edition	Viewer edition
Import Dicom-Data	✓	✓	
Segmenting	✓	✓	
Diagnostics	✓	✓	
Implant planning	✓	✓	
Export planning data to the Master edition	✓	✓	
Importing planning data for order-discussion and patient clarification	✓	✓	✓
Reference level assignment	✓		
Data connection with Organical Mill or data export in IGS	✓		
Issuing the test protocol	✓		
Examination of the surgical guide templates by examination table	✓		
Planning protocol in PDF	✓	✓	
Incl. 2 x Doctor edition	✓		
Incl. Viewer edition	✓	✓	✓

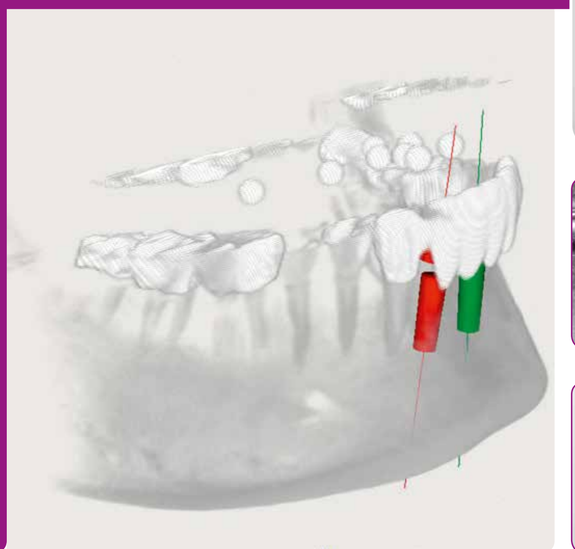
Accessories: Examination table, Diagnostic template incl. Diagnostic balls, Note book

Competence in dental CAD/CAM

ORGANICAL®

ORGANICAL® Dental *Im*plant

Implant-planning- and Surgical guide template-construction software



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CAD CAM TECHNOLOGY

ORGANICAL® Dental *Implant*

Safe without any compromises

ORGANICAL® Dental *Implant*

The digital way to high end level treatment with ORGANICAL® DENTAL IMPLANT

ORGANICAL® DENTAL IMPLANT is based on a patented, seamless, digital work flow, which is providing a better benefit of process safety to the dentist, when implanting, their dental technicians and finally also the patient.

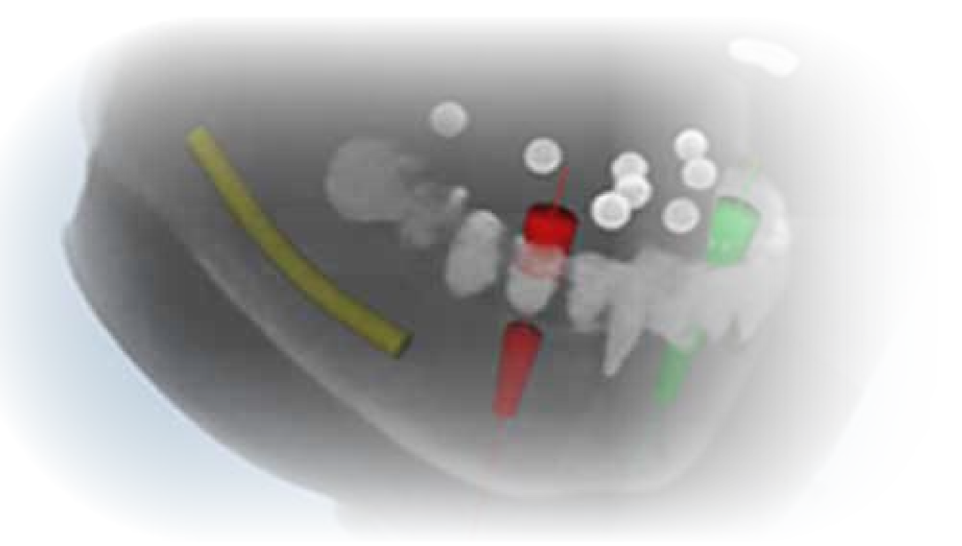
A particularly for this purpose developed DVT-diagnostic template acquires all data, which are surgically relevant in picture-form and from there it is being transferred into the implant-planning software for the next step in the procedure.

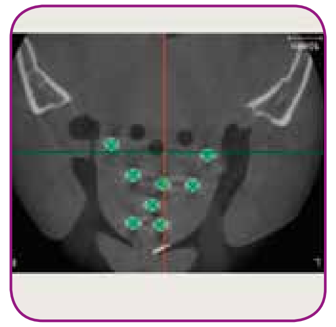
A unique point-zero reference, implemented in the software supplies afterwards the exact transfer of all passage holes to be milled digitally in the DVT-diagnostic template with a point zero fixed holder system – as in the ORGANICAL® DESKTOP 8. This procedure reduces significantly tolerances in the manufacturing as well as the deviation in the middle-field of the implant foot to a minimum.

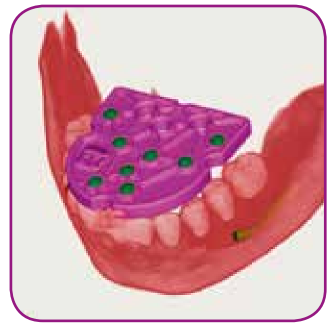
Formula 1 of Implant planning

Reduced to the essential, user friendly and reliably reaching the finish at record speed.

- **Approved workflow for all Organical® Milling Systems**
  „From users for users" used in our own lab
- **Open interface**
  Seamless connection to all CAM-Systems
- **Easy handling**
  Efficient manufacturing with precise OP-templates without digital reverse processes
- **Procession of largest data quantities**
  High resolution DVT-/CT-photos can be integrated
- **Best diagnostics option**
  Determination of two panorama-intersection curves







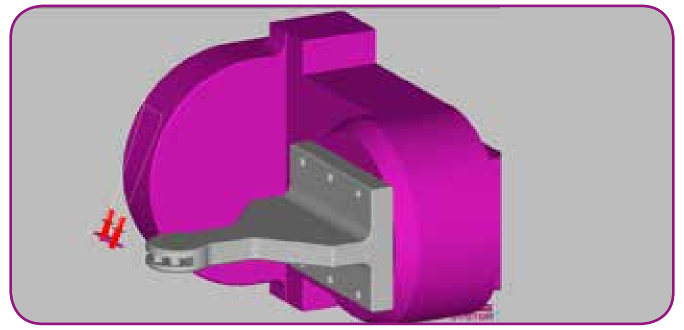
Automatic functions for more convenience

Registration with computer aided recognition of the reference balls and automated assignment of the matching implant sizes according to individual position and size definition of the cavities – no time-consuming matching of CT-data files with intra-/extra oral acquired model data. No limitations of the file sizes for the import of STL-files enables the procession of high resolution data files for higher precision.

The pre-installed library of the implant-planning software includes implants and coping systems for a large number of manufacturers – even rarely used systems can be integrated on request.

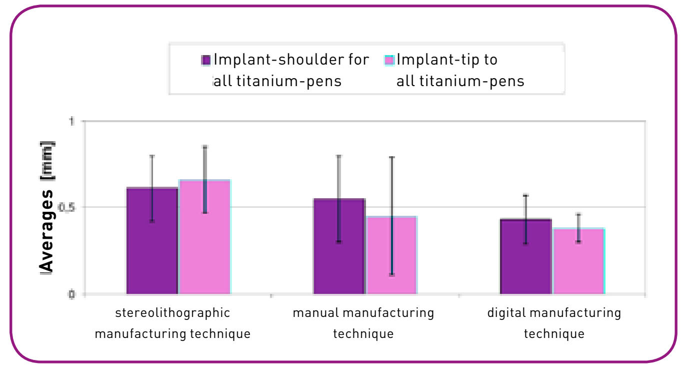
The most precise system in the market

Patented holder and support system, in zero point calibration for economically optimised manufacturing in adequate position of highly precise implant-surgical guide without digital reverse processing due to1:1-transfer of the openings to be milled into the diagnostics template.*



Roven quality to the power of 5

5 times secured for the treatment team and the patients by measuring the finalised implant-surgical guide template with a calibrated examination table in the X, Y- and Z-axis, the diameter and the depth stop related to the sleeve system.



* Quelle: Masterthese – Dr. med. dent. Vasiliki Tsita mit dem Titel „Präzision von CT-geplanter und schablonengeführter Implantologie im unbezahnten Kiefer". In-vitro-Studie

	Organical Dental ImPlant	Patient information
	Plan: Doctor: Doctors-ID:	Patient name: Date of birth: Patient-ID:

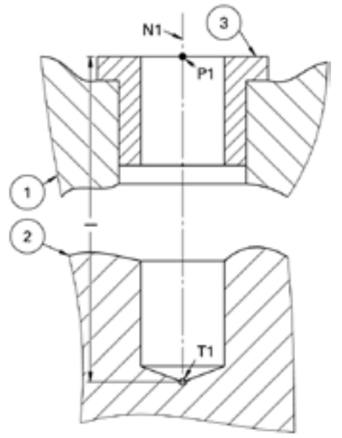
Test report

Implant :	*NobelReplace Tapered (Nobel Biocare)*
Shell-System :	*Nobel Biocare NP (Steco Systemtechnik)*

	Shell Referenz Point P1		*Ok*	Implant-Tip T1		*Ok*
	Target-Point	**Actual-Point**	**Distance**	**Target-Point**	**Actual-Point**	**Distance**
X	*15.10 mm*	*14.30 mm*	*-0.81 mm*	*15.13 mm*	*14.53 mm*	*-0.61 mm*
Y	*-27.47 mm*	*-26.73 mm*	*0.74 mm*	*-27.97 mm*	*-26.84 mm*	*1.13 mm*
Z	*-6.58 mm*	*-7.30 mm*	*-0.71 mm*	*-25.18 mm*	*-25.89 mm*	*-0.72 mm*
		Distance:	*1.31 mm*		**Distance:**	*1.47 mm*

Angle-Difference	*1.35 °*	*Ok*
Calibration	*0.15 mm*	*Ok*
Point-Checking-Distance	*0.02 mm*	*Ok*

Drill-Length l	*18.6 mm*
Shell-Length	*3.5 mm*



1 .. Drilling Template
2 .. Jaw
3 .. Drilling Shell
N1 .. Implant Axis
T1 .. Implant Tip
P1 .. Shell Referenz Point

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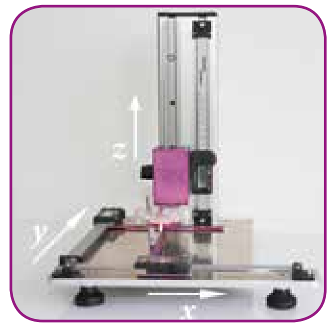
Factually Correct:	



- Organical® Dental *Implant* Examination table

- Acquisiton of precise measuring values in µm-accuracy for comparison of accurate positions of the permeation on opening in the test protocol