

CITO mini®

Small. Quick. Easy.



The Dentaureum Group.
Worldwide dental competence for more than 125 years.



Photo © Christian Ferrari



*Quality is
your demand and
our expertise.*



Dental technology set standards.

The Dentaaurum Group develops, produces and sells products for dentists and dental technicians worldwide. The variety of products for dental technology, orthodontics and implantology is unique in the dental world. Dentaaurum Implants, a manufacturer of implants, is a subsidiary of Dentaaurum.

Quality creates trust.

As the oldest dental company in the world, we have worldwide experience with high-quality dental products. Our market success is based on consistent implementation of customer and market demands. This is why we are committed to the constant further development of the company and continuous improvement of the quality of our processes and products.

Service as added value.

There are many reasons for using Dentaaurum Group products in the practice and laboratory. Quality is the decisive factor. Our company philosophy is to perfect the quality by providing additional performance and service for our products. We offer a wide-ranging training program for new and advanced users with an internationally experienced team of course instructors. Contact us for further information.

The CITO mini[®] implant system.



Polished gingival shoulder.

Optimal soft tissue support.

Crestal fine thread.

Time-tested surface conditioning.

FEM-optimized thread geometry¹.

Self-tapping thread.

¹ I. Hasan, C. Bourauiel: Biomechanische Untersuchungen des Einflusses von Geometrievarianten des CITO mini[®] Implantats [Biomechanical analyses of the influence of CITO mini[®] implant geometry variations]; University of Bonn 2014.

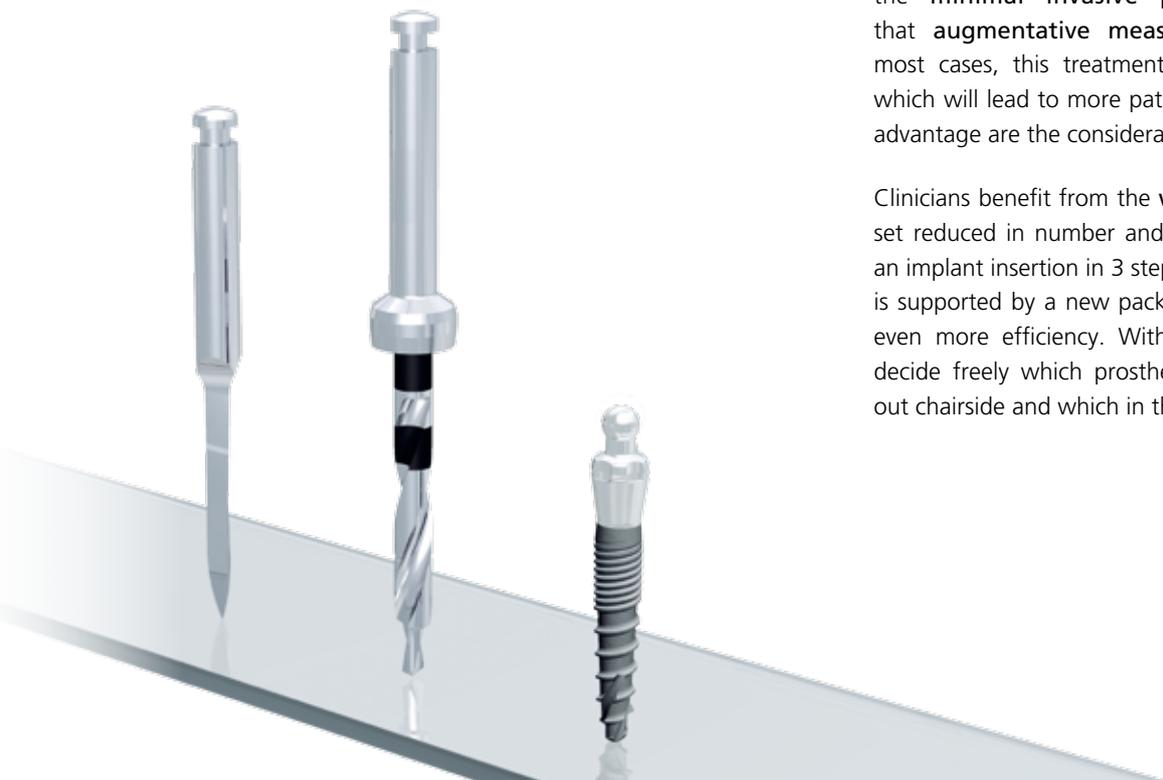
CITO mini® – the solution for patients and clinicians.

Building on 20 years of experience in oral implantology, Dentaaurum Implants has created the CITO mini® implant family.

These small diameter implants are designed especially for patients with **reduced bone availability**. They can now be treated with implant-supported partial and total prostheses and benefit from the advantages. As many of these implant cases can be **loaded immediately**, patients can enjoy their new quality of life a lot sooner.

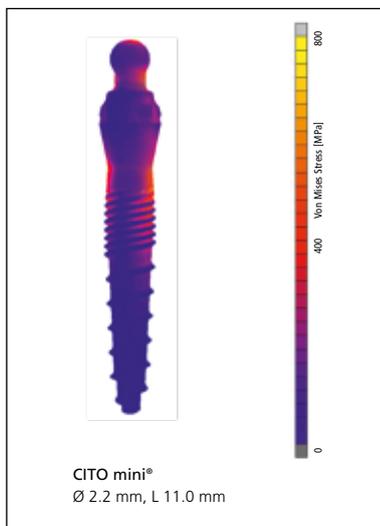
Due to the possibility of **transgingival insertion**, the **minimal invasive procedure** and the fact that **augmentative measures can be avoided** in most cases, this treatment causes less patient stress, which will lead to more patients agreeing to it. Another advantage are the considerably **lower costs**.

Clinicians benefit from the **well-organized instrument set** reduced in number and still **variable**, which allows an implant insertion in 3 steps. This **efficient procedure** is supported by a new packaging concept, that enables even more efficiency. With CITO mini®, clinicians can decide freely which prosthetic steps should be carried out chairside and which in the laboratory.



The CITO mini[®] implant.

FEM-optimized implant shape and thread geometry for optimal load distribution.¹



CITO mini[®] implant.

The CITO mini[®] implant shape and the thread geometry were calculated using FEM analyses¹. These tests show a uniform, gentle loading of the bone which prevents local overloading and stress peaks that could damage the bone.

CITO mini[®] implants have a cylindrical-conical external geometry. The polished gingival shoulder provides optimal gingival contouring.

The self-tapping thread and the thread pitch of the CITO mini[®] implants enable a quick and atraumatic implant insertion at a steady insertion torque and a high primary stability. The endosseous region of the CITO mini[®] implant has a blasted and etched surface.

¹ I. Hasan, C. Bouraueil: Biomechanische Untersuchungen des Einflusses von Geometrievarianten des CITO mini[®] Implantats [Biomechanical analyses of the influence of CITO mini[®] implant geometry variations]; University of Bonn 2014.

3 steps to success.

Surgical tray for CITO mini®.

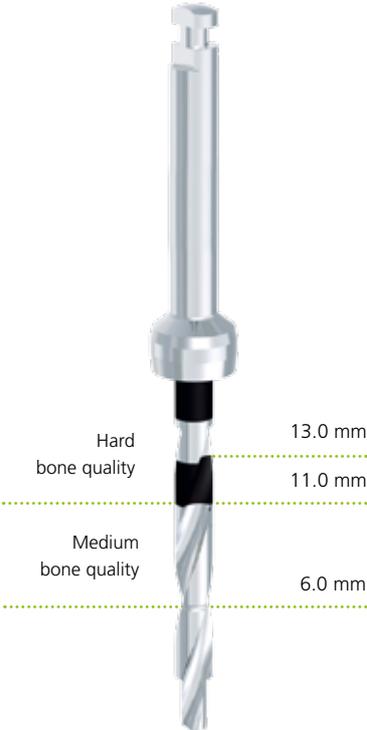
The instrument set of the surgical tray for CITO mini® provides maximum flexibility during implant site preparation while reducing the number of instruments. The drilling protocol for the CITO mini® instruments thus enables atraumatic, minimal invasive preparation specially tailored to the bone quality and individual regulation of the drilling depth for attaining the maximum primary stability of the implant with only one drill.



The preparation protocol.

Preparation protocol with CITO mini® preparation instruments.
Taking into account different bone qualities.

Adapt preparation protocol according to the indication and situation of each patient.
The insertion of CITO mini® implants in soft bone is not indicated.



Marking drill² 

Depth drill for \varnothing 1.8 mm¹ 

Depth drill for \varnothing 2.2 mm¹ 

Depth drill for \varnothing 2.5 mm¹ 



Soft bone quality

Medium bone quality

Hard bone quality



ø 1.8³

ø 2.2

ø 2.5

ø 1.8³

ø 2.2

ø 2.5

ø 1.8³

ø 2.2

ø 2.5

X

X

X

X

X

X

The insertion of CITO mini® implants in soft bone is **not indicated**.

min.
6.0 mm

X

min.
6.0 mm

X

min.
6.0 mm

X

¹ The insertion depth / length of the drill depends on the desired primary stability and the bone quality. The depth markings / scaling help to avoid damaging neighboring structures (e.g. nerves) due to perforations that are too deep.

² Optional use.

³ Not intended for maxillary prostheses.

Overview.

Surgical restoration possibilities and components.



Surgical tray

REF 307-000-00



Surgical tray for CITO mini®

Content:

- Marking drill
- Stepped drill for \varnothing 1.8 mm
- Stepped drill for \varnothing 2.2 mm
- Stepped drill for \varnothing 2.5 mm
- PentaGrip insertion key - ISO shank

Rotating instruments

REF 382-015-00		Marking drill	\varnothing 1.5 mm	
REF 302-118-00		Stepped drill for \varnothing 1.8 mm	\varnothing 1.5 mm	L 17.0 mm
REF 302-122-00		Stepped drill for \varnothing 2.2 mm	\varnothing 1.9 mm	L 17.0 mm
REF 302-125-00		Stepped drill for \varnothing 2.5 mm	\varnothing 2.1 mm	L 17.0 mm

Implants

REF 303-018-11		CITO mini® implant	Ø 1.8 mm	L 11.0 mm
REF 303-018-13		CITO mini® implant	Ø 1.8 mm	L 13.0 mm
REF 303-022-11		CITO mini® implant	Ø 2.2 mm	L 11.0 mm
REF 303-022-13		CITO mini® implant	Ø 2.2 mm	L 13.0 mm
REF 303-025-11		CITO mini® implant	Ø 2.5 mm	L 11.0 mm
REF 303-025-13		CITO mini® implant	Ø 2.5 mm	L 13.0 mm

Prosthetics ball abutments

REF 306-614-00		Ball head laboratory implant CITO mini®		
REF 306-616-00		O-ring matrix 1 CITO mini®		
REF 306-618-00		O-ring matrix 2 CITO mini®		
REF 306-620-00		O-ring matrix 3 CITO mini®		
REF 306-626-00		O-ring for matrix 1 CITO mini®		
REF 306-628-00		O-ring for matrix 2 + 3 CITO mini®		
REF 306-632-00		Spacer		

Accessories – Surgical prosthetics

REF 387-511-00		Adapter – ISO shank hexagon / ratchet		
REF 307-646-00		PentaGrip insertion key - ISO shank		
REF 387-800-00		Torque ratchet with blocking function		
REF 307-001-00		Gingiva punch, ø 1.0 mm		

Demo-Modell

REF 308-420-00		Demo implant CITO mini® 5:1		
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Dentaurum Group

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UNIQUE

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Subject to modifications



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