Tizian Scan
Tizian CAD

Complete Digital Workflow

SCHÜTZ DENTAL
Micerium Group

Partner for more than 50 years

Excellent Support

Content

The „Complete Digital Workflow” **3**
Boost efficiency in your digital processes through perfectly coordinated hardware and software components.

Tizian Scan Touch **4**
Precision meets user-friendly design

Tizian Smart-Scan Plus 3.0 **6**
An elegant, high performance scanner

iTero Lumina **6**
An intraoral scanner that lets you feel the future.

Renishaw DS 10 **9**
A premium-class tactile scanner

Tizian Creativ RT CAD-Software **11–12**
High-end CAD software in real time – packed with features and fully expandable

Additional modules **13–19**
Abutments 13
Bar constructions 13
Splints 14
TruSmile 14
Virtual articulator 15
Extended Tooth Library 15
DICOM Viewer 16
Eggshell temporary 16
Model Creator 17
Model casting 17
Smile Design 18
Full denture 18

exoplan for dentists **19**
exoplan implantat navigation 19
Guide Creator 19

Jaw measurement **20**
Tizian JMA Optic by zebris – based on cutting-edge optical sensor technology

Milling Units and sintering furnaces **21**
A fully integrated and optimized system

Schütz CAMPUS **22**

Additional systems **23**
Comprehensive solutions – all from a single source

Connect with Schütz Dental **24**
Contact

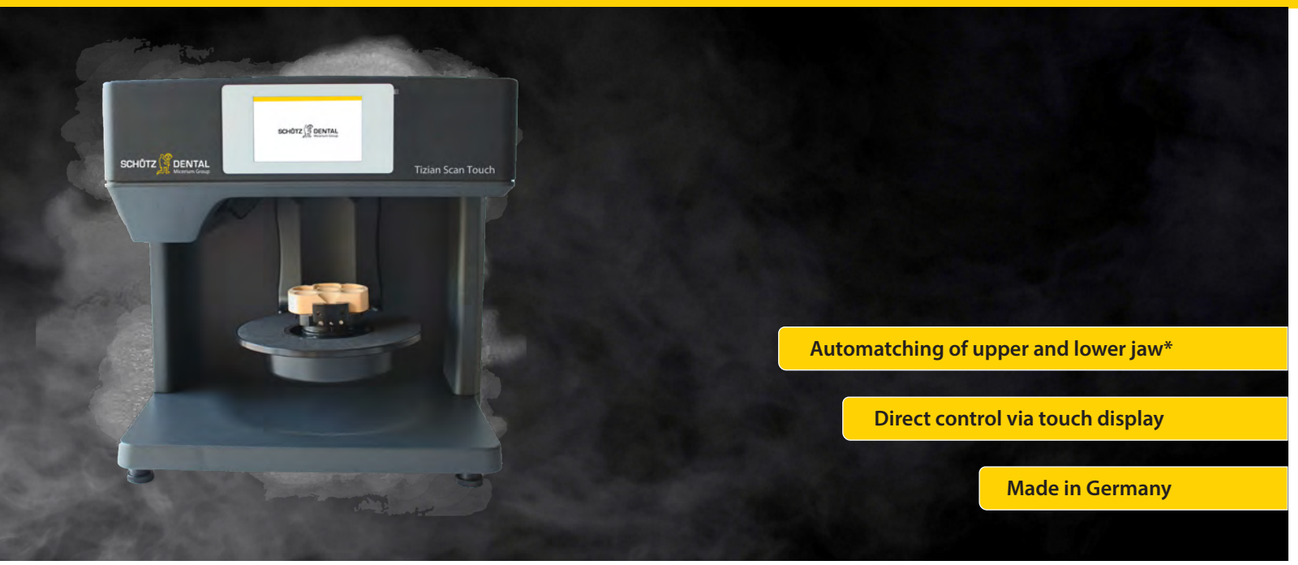
The „Complete Digital Workflow”

In this combination only available at Schütz Dental

No matter if you are a dental technician, a dentist or an implantologist – now is the time to stand out from the competition. The Complete Digital Workflow by Schütz Dental offers:

- **High level of safety:** Direct data import minimizes the error rate and increases precision.
- **Predictable success:** Include all the necessary criteria for fantastic aesthetics and excellent function from the moment you start to plan.
- **Independence:** The open systems keep the user independent.
- **Better cost efficiency:** Seamless data integration saves time and reduces costs throughout your digital workflow.
- **Excellent support:** With all components from a single provider, you always have the right contact person at your side.

Let us plan your individual Complete Digital Workflow. Call us now at +49 6003 814-362 to arrange a free demo appointment.



Automatching of upper and lower jaw*

Direct control via touch display

Made in Germany

Tizian Scan Touch

Precision meets user-friendly design

The Tizian Scan Touch is the innovative solution for precise scans in dental technology. With state-of-the-art technology, intuitive operation and a wide range of functions.

Your advantages:

>> **Powerful software - efficient & secure**
- Locally stored data - No cloud connection, full control over your data, GDPR compliant
- Auto-articulation* - Merges both jaws automatically, no more vestibular scan necessary
- Easy to use - Intuitive to learn and seamlessly compatible with your Tizian Creativ RT software
- Flexible scan modes - Choose between Normal and HR (High Resolution) mode for maximum precision

>> **Camera and scanning technology**
- Additional 3.2 megapixel camera for high-resolution texture images
- Adjustable Z-axis with integrated turntable for articulator scanning
- Glare-free blue light technology for comfortable and safe working (hazard class 0)

Request your individual offer now.

We look forward to your call.
Tel. +49 (0) 6003 814-362

>> **High accuracy**
- Accuracy of up to 4 micrometers

>> **Made in Germany**
- There for you on site - support and service in Germany

>> **Touch display for intuitive operation**
- Fully functional touch panel - TFT 5 inch touch display
- Autonomous scan workflows – select scan modes and tools directly on the display without the need for a PC.

>> **Extensive accessories and features**
- For all types of model systems - impression scan, secondDie, HD mode and much more

*Automatic articulation possible if sufficient data is available Figures similar.

Tizian Scan Touch Software

Scan times in seconds*

	Complete jaw	Single stump	3-unit bridge
Scan time	12	25	40
Matching	10	6	15
Overall	22	31	55

* These are minimum times which may vary in use.

Technical data

Accuracy (ISO 12836)	up to 4 µm
Light source	Strip light triangulation, High-power blue light LED
Dimension	431mm x 432 mm x 398 mm
Weight	ca. 20 kg

Illustrations may vary.

Tizian Smart-Scan Plus 3.0

An elegant and high performance dental scanner

With this dental scanning system, you will be able to scan models made of a wide variety of materials and obtain pin-sharp and open STL files. These are the basis for your work subsequently produced with CAD/CAM. The compact system scans your models using a high-precision structured light scanning process. This gives you the flexibility to reproduce almost all dental-relevant structures in great detail, even without the aid of scanning sprays.

Your advantages

>> **Superfast scanning**
Scan with our high-quality hardware and optimized software. Perform a full-jaw scan in just 8 seconds with the Tizian Smart-Scan Plus 3.0*.

>> **High-resolution cameras**
The 5.0 MP cameras provide high-resolution detailed scan data. Scan multiple objects simultaneously thanks to the larger scan area. With the four-camera system, the Tizian Smart-Scan Plus 3.0 covers a wide scanning area and reduces blind spots.

>> **Automatic lifting**
Easy to operate: Thanks to our automatic lifting function, you can say goodbye to stacking intermediate holding devices on top of each other for the correct scanning position.

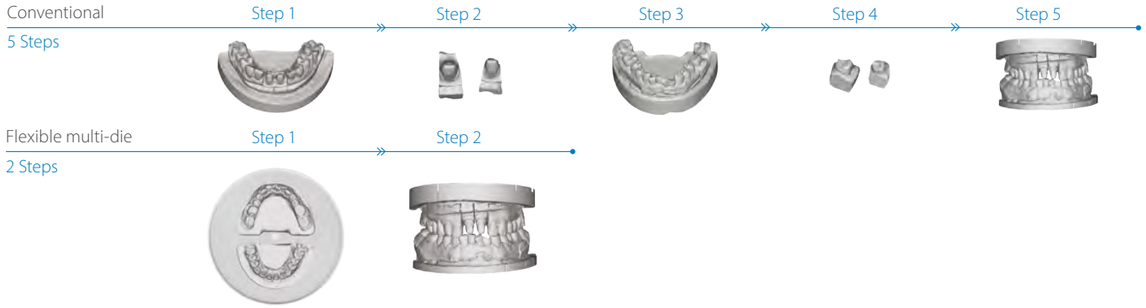
>> **High accuracy**
Accuracy up to 4 micrometers

>> **Flexible multi-model scanning**
Make your work even more efficient by creating a full or partial jaw scan with multiple matrices simultaneously with flexible multi-model scanning.

>> **Open system**
Enjoy the freedom of our open system that allows you to import and export files in STL format, so you can create your designs with almost any software.

** These are minimum times which may vary in use. Illustrations similar.*

Conventional scan vs. Flexible multi-die



Technical data	
Accuracy (ISO 12836)	4 µm
Full arch scan speed	8 sec (7 cut)
Full arch impression scan speed	45 sec
Light source	Blue LED, 150 ANSI-lumens
Size	505 mm x 271 mm x 340 mm
Weight	approx. 15 kg

Request your individual offer now.

We look forward to your call.
Tel. +49 (0) 6003 814-362

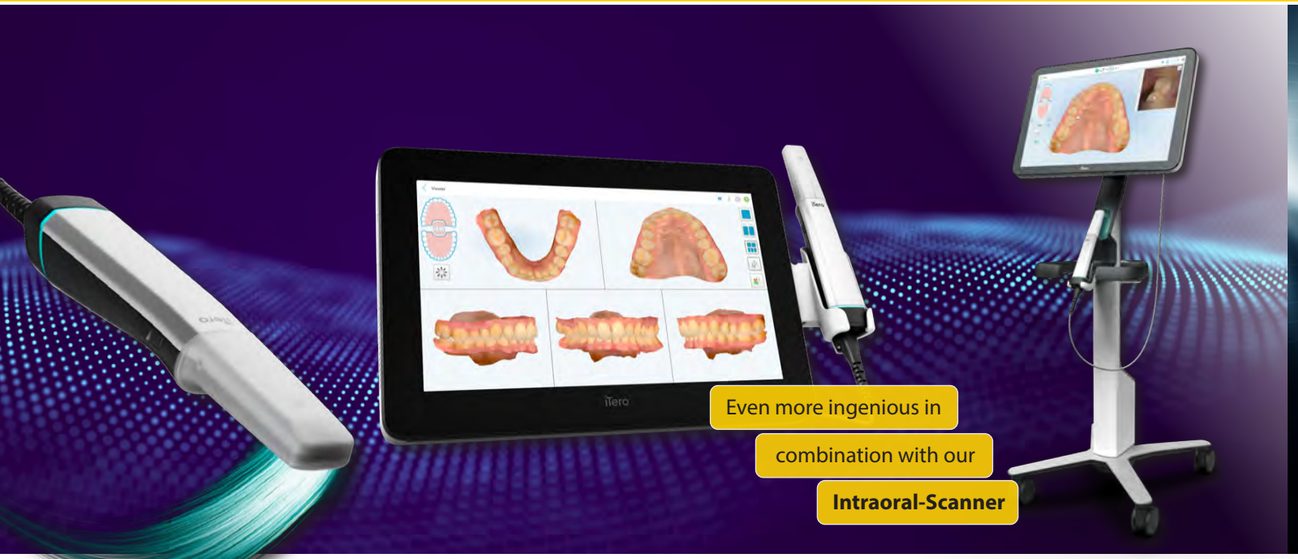
Fully integrated ...

... in the Complete Digital Workflow from Schütz Dental

Whether you are a dental technician, dentist or implantologist: stand out from the competition now.

- High security: direct import of data minimizes the error rate.
- Predictable success: All important criteria for top aesthetics and function are taken into account right from the planning stage.
- Independence: Thanks to the open system components.
- Greater cost efficiency: The direct import of import of the various data speeds up your work process.
- First-class support: As the components come from a single source, you always have the right contact person.

** These are minimum times which may vary in use. Illustrations similar.*



High-Tech from Schütz Dental

Precision where it counts!

iTero Lumina

An intraoral scanner that lets you feel the future.

iTero Lumina - The next generation of digital scanning technology. With iTero Multi-Direct Capture™ technology, the scanner enables intraoral imaging. With its effortless scanning process and impressive visualization, this system sets new standards in practice performance. With the iTero-exocad-Connector™, the captured scan data can be integrated directly into the Tizian Creativ RT CAD software. This speeds up the workflow and enables direct communication with the dentist on challenging cases.

Your advantages:

>> **High-tech scanner**
The iTero™ Lumina has a 50 % smaller handpiece[1] and impresses with a 3 times larger field of view and up to 25 mm depth of field[2]

>> **Digital functional analysis**
The Tizian JMA Optic System by zebris can be optimally integrated into the workflow of the iTero™ Lumina intraoral scanner. This enables the best results to be achieved in digital functional analysis

>> **Early caries detection**
NIRI technology: The near-infrared technology enables early detection of caries lesions, e.g. in the proximal area[3]

>> **Open system**
The iTero™ scanner is an open system and allows you to work with a neutral data format (STL; PLY...)

>> **Economical & efficient**
Benefit from a high ROI, flexibility, high accuracy and impressive speed!

>> **Support & Training**
Virtual training tailored to the specific needs of your practice.

1. compared to the iTero Element™ 5D imaging system handpiece, without handpiece cable*.
2. compared to the field of view of the iTero Element™ 5D imaging system with a scanning distance of the iTero Lumina™ intraoral scanner of 12 mm*.
3. iTero NIRI technology is only available for the iTero Element 5D and 5D Plus imaging systems and the iTero Lumina™ Pro intraoral scanner.
*Data stored at Align Technology, as of 29.01.2025.

Illustrations similar.

Renishaw DS10

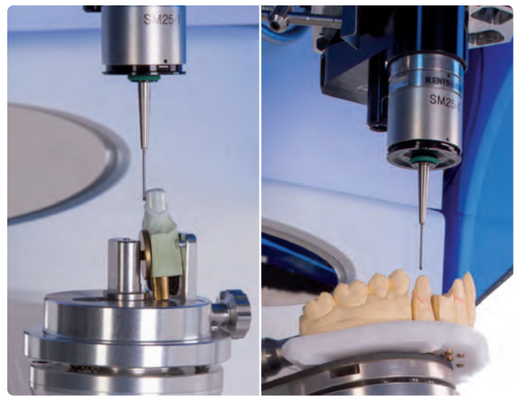
A premium-class tactile scanner

During the tactile scan, the individual stump is scanned with the tactile system and turned into a digital unit with the CAD software. This results in a fast detection with impressive precision.

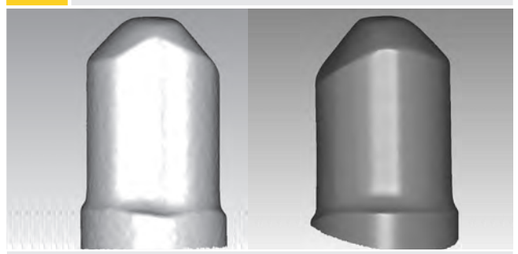
Dimensions: ca. 30 x 53.5 x 42.4 cm, ca. 15 kg

Your benefits:

>> **Outstanding fit of your telescopic restorations**
>> **Precision** when scanning non-precious metal telescopes as well as implants, individual stumps, abutments, inlays, onlays
>> Safely **reproducible results**
>> Precision as your personal **competitive advantage**
>> When using a tactile scanner, the **error source** "use of scan spray" is **eliminated**
>> Scans models, mush-bites, scan bodies, gingiva masks, situ models



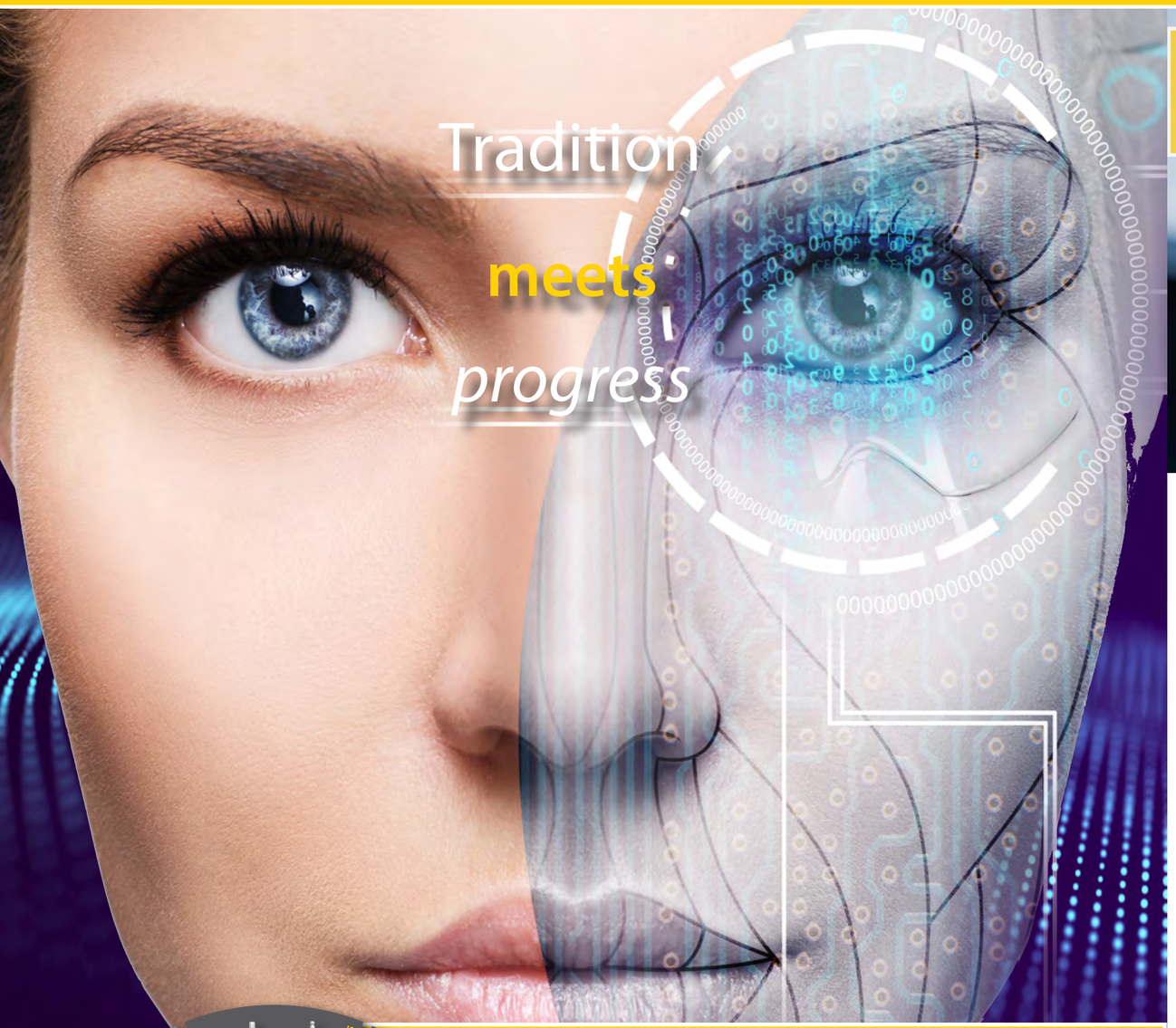
Software display



Optic scan – with scan spray

Tactile scan – without scan spray

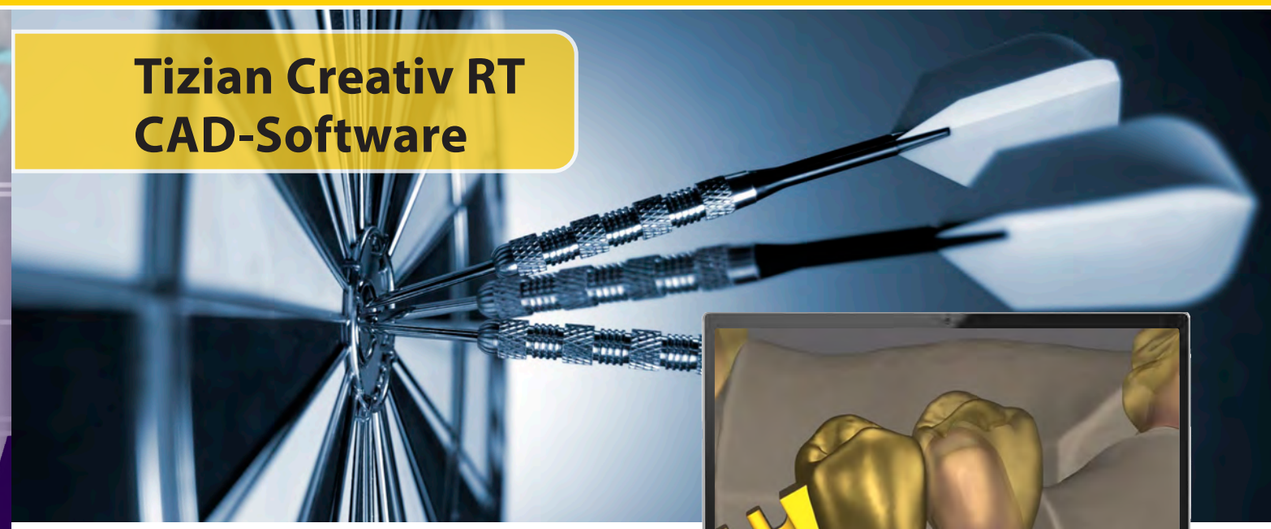
Pictures may vary.



MAKE YOUR WORKFLOW COMPLETE

- ✓ **Complete Digital Workflow fully integrated & perfectly coordinated**
- ✓ **One contact person**
- ✓ **Economical and efficient**
- ✓ **From users for users**
- ✓ **Solutions individually tailored to you**

Tizian Creativ RT CAD-Software



High-End Software in „real time".

The Tizian Creativ RT CAD software is a high-end software that is not only state of the art, but is constantly evolving and therefore offers you an enormous degree of future-proofing.

Integration of data from the early caries detection of the iTero Lumina.

**The workstation is not included in the software price. Illustrations similar.*

Your advantages:

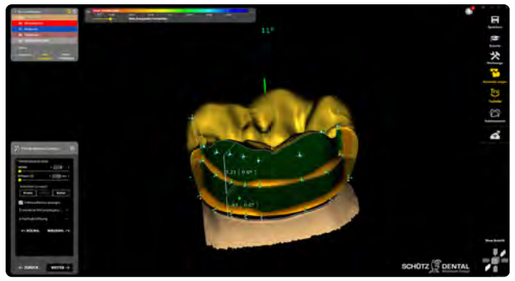
- >> **Fast working:** You work with a high-performance workstation that is specially optimized for this software.
- >> **Flexibility:** You can change almost every single point of the modeled work, even retrospectively.
- >> **The ability to concentrate on the essentials**: Depending on the restoration, essential parameters are selected automatically.
- >> **A high degree of creativity:** You can customize the automatically generated restorations with a wide range of virtual tools.
- >> Integration of the captured intraoral scan and evaluation of the NiRi information of the iTero Lumina

In addition, the software offers:

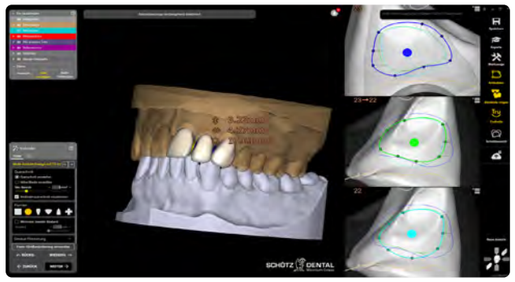
- >> A wide range of indications.
- >> A simple and large selection of materials.
- >> An optimized data export for 3-, 4-, 5-axis milling, 3D printing and laser sintering.
- >> Optional additional scans, e.g. gingiva mask or situ-model and 2D photo import.
- >> Individually adjustable parameters.
- >> A choice between the following languages:

The comprehensive Tizian Creativ RT base software

Comprises numerous modules and can be expanded as required.



Teleskop



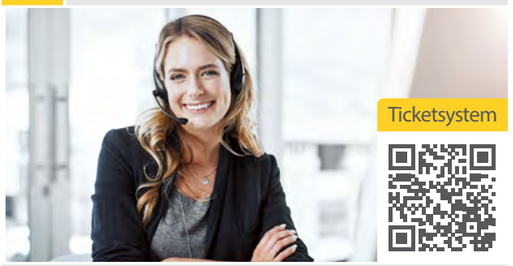
Crowns, bridges, inlays

The Tizian Creativ RT CAD software already offers you extensive options even in the basic package. Additional modules can be added as required. You will find our wide range of additional modules on the following pages. We will be happy to advise you.

The basic software at a glance:

>> Telescopes
>> Attachments (editable)
>> Automatic generation of garlands
>> Mirroring instead of modeling
>> Display of contact points
>> Automatic transfer of a situ scan
>> Inlays, onlays and Maryland bridges
>> Can be used with compatible touchscreens
>> Open interfaces for open intraoral cameras and import of open STL data
>> Free export of STL data
>> Automatic adaptation of proximal and opposing jaw
>> Crowns, bridges (fully anatomical, reduced), offset copings, overpress copings

Fast help - Competent support



Benefit from our service and support network.

Our internal and external experts are there for you when you need help:

Tel.: +49 6003 814-362, e-mail: export@schuetz-dental.de

Courses and events

One of our core competencies is training. Visit one of our many courses or plan your individual event with us.

Tel.: +49 6003 814-362, e-mail: export@schuetz-dental.de

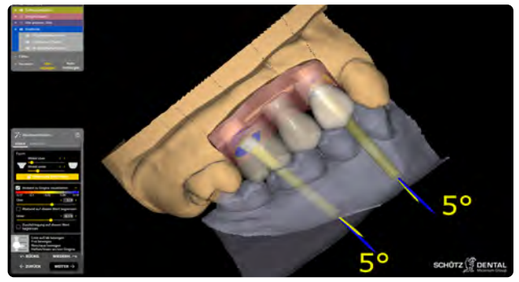
Illustrations similar.

Go one step further with our additional modules.

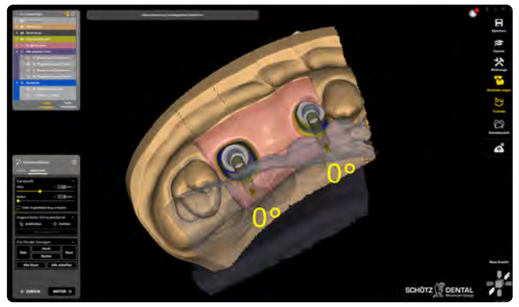
Abutments

Additional module*

Design it yourself instead of buying it.



Angulated implant abutments buccal.



Angulated implant abutments occlusal.

With the abutment designer of the Tizian Creativ RT CAD software, you can design and edit abutments from over 170 different systems. The most common implant systems are stored in the database (adhesive bases, no-lock and lock abutments[1]). These are freely expandable.

You design prefabricated abutments with your software. abutments with your software. The customizable basic shape of the abutment and the connection to the implant are already industrially manufactured, which offers you additional benefits:

>> High accuracy of the connection to the implant and the supplier's guarantee.

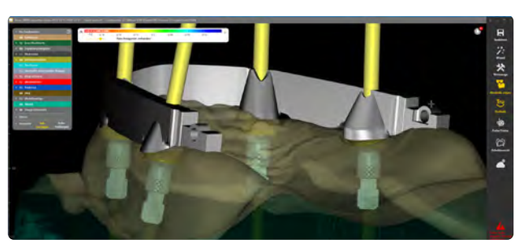
Milling blank clamped.

Bar constructions

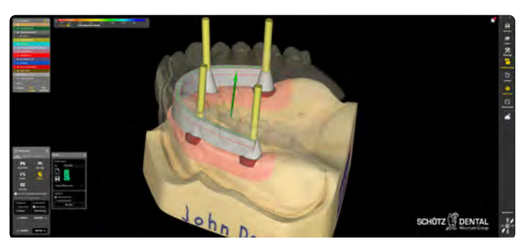
Additional module*

Choose from 15 different shapes.

With this tool, you can design customized bar constructions using your Tizian Creativ RT CAD software. The wide range of functions allows you to create individualized, implant-supported bars. The automatic parallelization feature helps you align your work quickly and accurately.



Individually designed bar.



Individually designed bar.

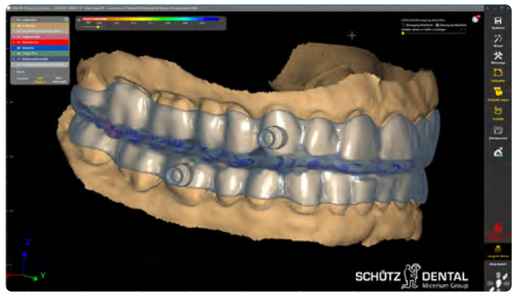
Illustrations similar.
** Available at an extra charge.*
1 The implants with hexagon socket are only approved for suitable alloys.

Splints

Precision at the touch of a button.

Fast and high-quality design of therapeutic splints. Relevant patient data can be collected either using traditional methods or via the Tizian JMA Optic System by zebris. In this case, the clinician sends you the data by email, and you can import it with a single click. Based on this data, you create the required treatment splints.

For optimal, patient-specific results, six different splint materials are available. We recommend using this module in combination with the Virtual Articulator (see page 15).



Simple design of snoring splints.

Your options:

>> Centric splints
>> Eccentric splints
>> Splints with chewing impressions
>> Grinding splints
>> Bleaching splints
>> Splints in both jaws
>> Sleeping splints
>> Snoring splints
>> Snap-on smile splints

TruSmile Technology

Show us your "true smile"!

Work with a realistic representation of dental restorations and approximate photorealistic representations of dental restorations during the design phase.

With this tool, you combine the digital with the real world. Real-time modeling and the photodynamic representation of your virtual work, you have the following advantages and options:

Additional module*

Your advantages and options:

>> Model an aesthetic framework in less time.
>> Even more fun with virtual modeling.
>> Perfect the design of your fully anatomical restoration.

Representation of different tooth shades and materials.

This makes digital modeling fun.

Illustrations similar.
** Available at an extra charge.*

Additional module*

Virtual articulator

A "must have" in the modern dental laboratory.

This add-on module is compatible with various articulators: SAM® (SAM® Präzisionstechnik GmbH), Baumann (Baumann Dental GmbH), Artex® (Amann Girrbach AG), Protar® (KaVo Dental GmbH). You can also use the universal articulator.

This way, you work with the articulator of your choice. The virtual articulator and Tizian JMA Optic System by zebris are ideally matched. This gives you the opportunity to simulate the articulator movement 1:1.

Artex virtual articulator.

This tool offers you the following benefits:

>> Enormous savings in working time.
>> Improved function of the final result.
>> Easy working with fully anatomical restorations and reduction of grinding work.
>> Use of the Tizian JMA Optic System by zebris data for individual adjustment of the virtual articulator.

SAM® virtual articulator.

Simulation of jaw movements based on the digital functional analysis of the Tizian JMA Optic System in combination with the additional tool "real Movement".

Extended dental library

By Wiedmann und Hajtó.

In addition to the standard library teeth, a total of 80 anterior and 38 posterior sets are available.

As individual as your customers.

By Jochen Peters

The 32-piece tooth library enables precise and efficient adaptation to the remaining dentition. It optimizes the design of crowns, bridges, and dentures, reduces the need for adjustments, and improves milling results.

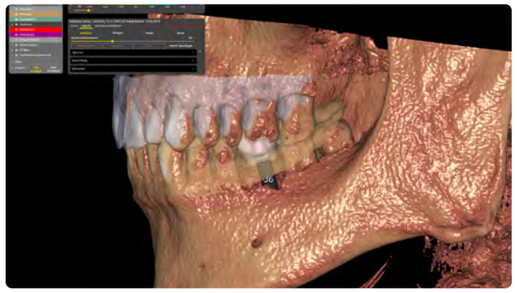
As individual as your customers.

Illustrations similar.
** Available at an extra charge.*

DICOM Viewer

A unique image for the entire construction.

By comparing your design with DICOM data from a CT or CBCT scan, you gain a comprehensive and unique view of the entire restoration.



Compare your design with existing DICOM data.

This module also serves as the foundation for designing surgical guides and preoperative temporaries.

Among other things, this offers you the opportunity to :

>> plan your wax-up in such a way that it is also ideal in terms of implant position and bone availability.
>> design your wax-up with regard to soft tissue, e.g. lip volume.

** Available at an extra charge.*

Additional module*

Eggshell temporary

Minimally invasive and lifelike.

With this additional tool, you can create temporary restorations for the planned preparation in 3 steps.

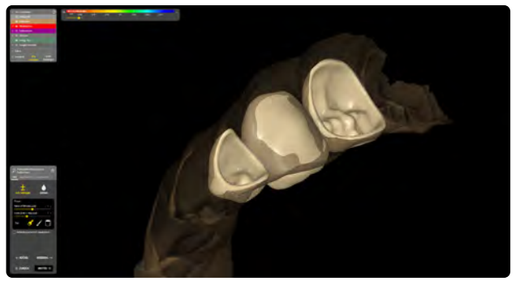
This is how it works:

1. you scan the site model or receive an intraoral scan.
2. you load the desired tooth shape from your tooth library or you transfer the original tooth shape.
3. you mill the temporary crown, e.g. from a Tizian PMMA blank.

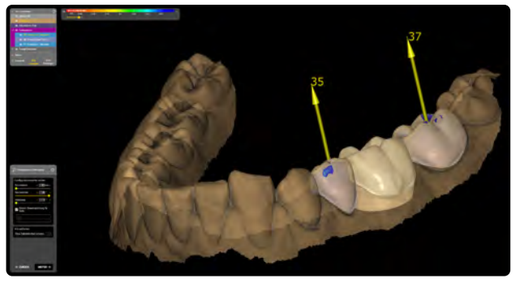
The customized temporary restoration is ready before the patient arrives for preparation. The temporary can be inserted immediately afterwards. The optimum service for the dentist and the patient.

Wafer-thin temporary solutions.

The temporary restorations are based on scans of the preoperative situation.



Crowns for minimally invasive preparation.



Modeled bridge on virtual model.

Illustrations similar.
** Available at an extra charge.*

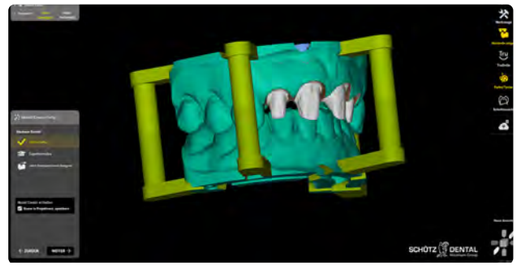
Additional module*

Model Creator

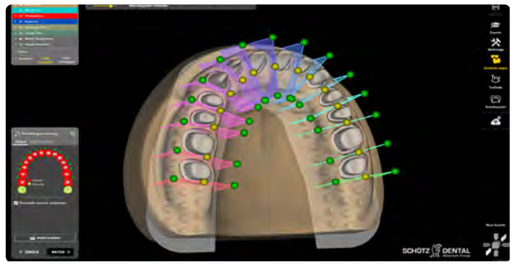
Model management in your hands.

Some of your customers already use compatible intraoral scanners? With the Tizian Model Creator add-on module, you can create the corresponding sectioned model directly in your Tizian Creativ RT CAD software — ready for milling or 3D printing.

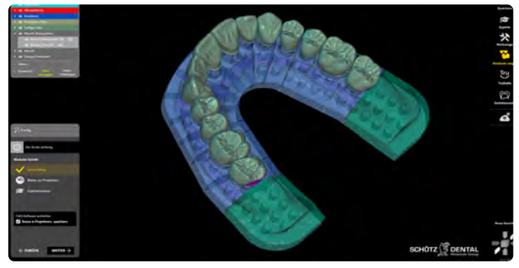
The choice is yours: the software also offers various model types, all of which can be individually edited.



Model with removable stumps.



Dies and spider are created separately.



The spider is manufactured with matching retentions and then sawn.

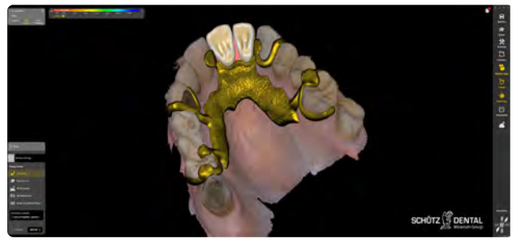
Additional module*

Model casting

Digital model casting.

You can design any type of framework task with the Tizian framework tool. Thanks to the complete integration into the digital workflow of your Tizian system, you can obtain perfectly fitting framework in the shortest possible time. Design your framework directly on the PC. You can mill the finished data yourself, print it in burn-out plastic and cast it or produce it using the SLA printing process - alternatively, you can have the production carried out externally.

High-precision representation of the framework



Quick and easy creation of individual framework

Illustrations similar.
** Available at an extra charge.*

Additional module*

Smile Design

2D and 3D: the best of both worlds.

Aesthetic planning with more predictable results – combine your patient photos and face scans with contour lines and 3D situations.

Your possibilities:

>> Load patient photos into your Tizian Creativ RT software. The photos are converted into 3D objects that can be matched to 3D scans.
>> Add and edit guides automatically
>> Select suitable tooth shapes from our extensive library
>> Use the simple 2D tools to edit the 3D shapes
>> View the result in 3D from different angles in real time

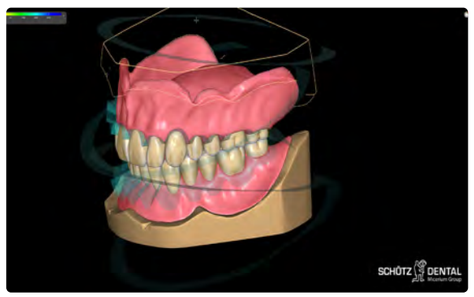
Individual preliminary planning to visualize the final aesthetic restoration.

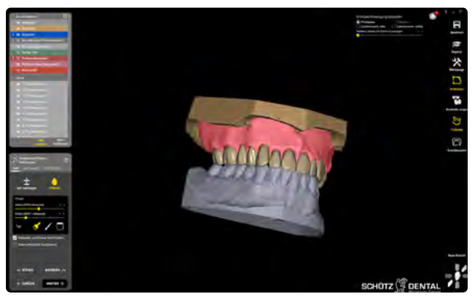
Full dentures

For design with high aesthetic standards.

Additional module*

After completing a digital model analysis, the software automatically determines the ideal tooth setup based on the collected data and guides you through each step of the design process. It supports various manufacturing methods – from two-step milling and 3D printing of bases and teeth to monolithic denture fabrication (e.g. for try-ins).Take advantage of the digital revolution to elevate your denture production to the next level!





Illustrations similar.
** Available at an extra charge.*

exoplan in conjunction with our IMPLA Micro Retention, Cylindrical and dialog implants.

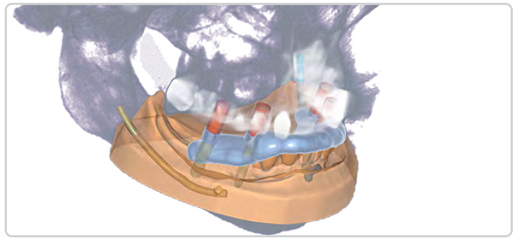
Since 1963
IMPLA

exoplan with Guide Creator

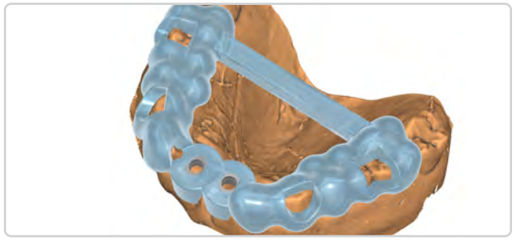
Powerful, user-friendly software solution for navigated implantology

Offers dental laboratories, dentists, implant specialists, and surgeons a high degree of flexibility in implant planning and surgical guide design.

exoplan is built on the proven exocad software platform and stands for smooth digital workflows, exceptional user-friendliness, and powerful performance. Thanks to its open and vendor-neutral software architecture, most open 3D scanners, 3D printers, and milling systems can be used. Integrated software solutions ensure a seamless digital workflow – from prosthetic-driven virtual implant planning with exoplan to the design of surgical guides using the Guide Creator add-on module.



Safe implant planning and surgical guide design.



Create drilling templates directly on site - with the Guide Creator.

Guide Creator

Visualize, plan, design

With the Guide Creator add-on module, you can design your individual drilling templates, which you can produce quickly and cost-effectively on site using your 3D printer or milling system.

This allows you to make even more efficient use of your production equipment. Alternatively, you can send the open STL data to an external production center of your choice.

Advantages for your laboratory

>> **Expand your range of services**
exoplan facilitates implant planning and surgical guide design on your premises

>> **Reduce reworking and corrections**
With exoplan, the positions of the desired implants can be planned taking into account the available bone and subsequent tooth positions.

>> **Create plannable restorations**
Access to the comprehensive exocad library with over 2,000 prosthetic components

>> **Integrate your existing devices**
exoplan supports file formats for open 3D printers and milling systems for surgical guide production

>> **Improve collaboration**
exoplan facilitates communication with the clinician through joint planning

>> **Integrate exoplan into your workflows**
exoplan works with DentalCAD from exocad

>> **Transparent pricing model**
exoplan contains no hidden costs or click fees

Request a quote now.

We look forward to your call.
Tel. +49 6003 814-362

Illustrations similar.
** Available at an extra charge.*

Tizian JMA Optic by zebris
Jaw measurement

A selection of our range of milling machines

The new dimension of the function-oriented digital workflow

Welcome to the world of functional digital dentistry.

Precise, safe, fast, and cost-effective! The Tizian JMA Optic system by zebris is based on the latest optical sensor technology, making it the new standard in functional dentistry.

Your Advantages:

>> Safe prosthetics
>> Forensic safeguarding
>> Documentation
>> Additional billing
>> Enthusiastic patients
>> Digital image for your practice and laboratory
>> Decisive competitive advantage

Arrange a demo appointment now!

Arrange your free demo appointment in your practice now.

Or register for a zebris course.

+49 6003 814-362
export@schuetz-dental.de

Illustrations similar.

Our CAD/CAM milling machines

The Tizian series – a valuable addition to any dental laboratory.

Experience our unique Complete Digital Workflow

With the dental milling systems of the Tizian family, you remain independent. The CAD/CAM milling systems are characterized by very precise production and reliability. Tizian CAD/CAM milling systems are designed to meet the needs of dental or practice laboratories, whether they require 5-axis or 6-axis milling functionality.

Our sintering furnaces

Three high-performance units for sintering your zirconia restorations.

The sintering furnaces, which are manufactured in Germany and consist of high-quality components, help you to sinter your dental work accurately and safely. All three Tizian sintering furnaces are freely programmable, giving you the option of sintering different zirconium dioxides. Also available as a speed version.

Request a quote now.

Your Schütz Export Area Manager looks forward to your call: Tel. +49 6003 814-331

Illustrations similar.
** This milling machine is also available without a fully automatic blank changer.*

Schütz CAMPUS

Visit one of our CAD/CAM courses.

The topic of "digitization" has become an integral part of dentistry. Take part in these developments and let us inspire you with innovative concepts for practices and laboratories.

Whether you are a dental technician, dentist or implantologist, consider continuing education for you and your team. Inspire your customers, motivate your employees and invest in your future today.

Register now for one of our courses.

Have a look at our courses:
www.sdent.eu/events

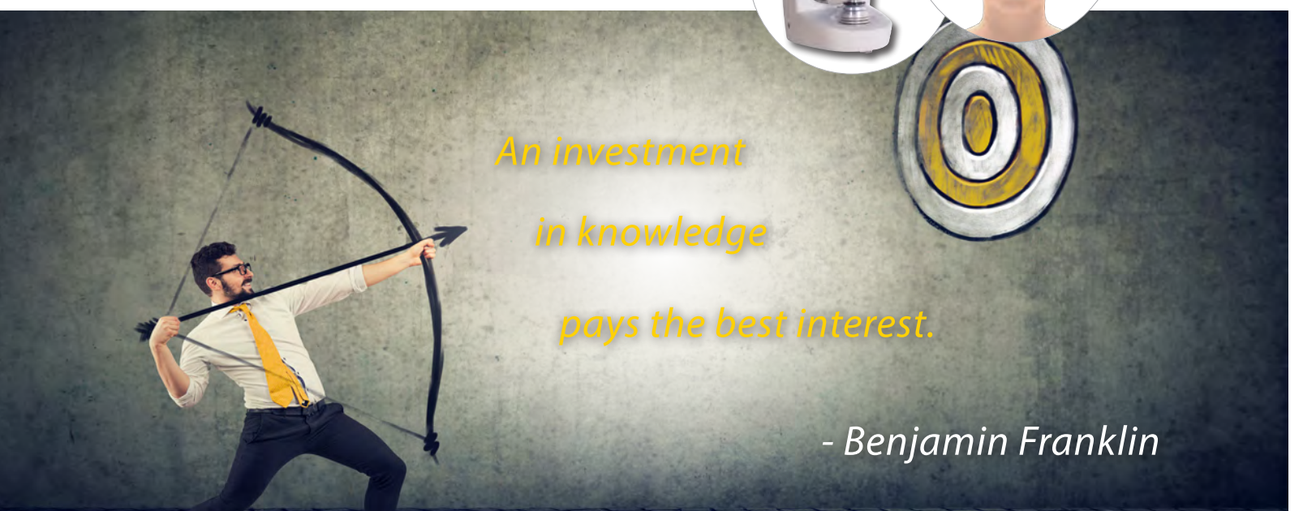
Or ask your Schütz Dental area manager for individual courses

This is what we offer:

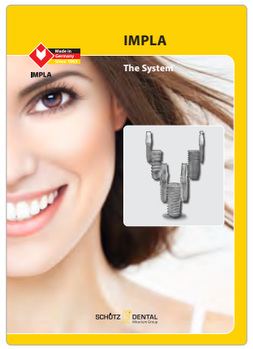
>> Exciting live previews
>> Practical hands-on courses
>> Individual trainings for you and your team
>> From users for users

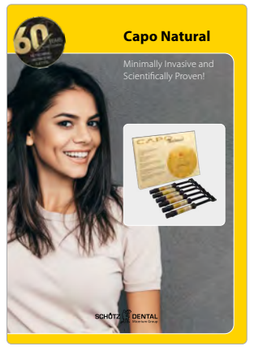
Your benefits:

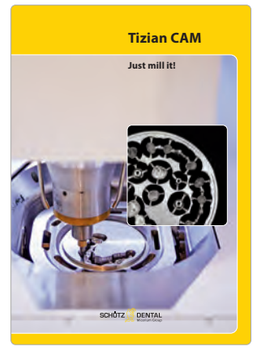
>> The latest techniques and procedures
>> Most modern machines
>> From users for users
>> Workshop character and professional exchange with your peers



Request special brochures







www.schuetz-dental.com
In the news section you will find many interesting articles, tips & tricks, user reports and much more.

Pictures may vary from actual product appearance.

We are here for you!

+49 (0) 6003 814-362

export@schuetz-dental.de

www.schuetz-dental.com

Onlineshop

Order quickly and easily online.

www.schuetz-dental.com
Visit us online!

Order around the clock, whenever and wherever you want. Conveniently via our Schütz Dental online store. Register now and order directly, easily and quickly online.

All information without guarantee. Subject to errors, changes and prior sale.
The details shown are examples, we will be happy to provide you with a specific offer.

Waitkewitsch 04/2025

SCHÜTZ DENTAL
Micerium Group

Schütz Dental GmbH • Dieselstr. 5-6 • 61191 Rosbach/Germany • Tel. +49 (0) 6003 814-362 • Fax +49 (0) 6003 814-906
www.schuetz-dental.de • export@schuetz-dental.com