The "Complete Digital Workflow" – all this from Schütz Dental

No matter if you are an implantologist, a dentist or a dental technician: Set yourself apart from your competitors with Schütz Dental’s "Complete Digital Workflow".

Your advantages with the „Complete Digital Workflow“ from Schütz Dental

- **High level of safety**: Direct data import minimizes the error rate and increases precision.
- **New potential customers**: Due to added public relations value and new technologies.
- **Increase your turnover**: The system helps selling private dental services.
- **Predictable success**: From the very moment you start to plan, all the necessary criteria for fantastic aesthetics and an excellent function are made accessible.
- **Independence**: The open systems keep the user independent.
- **Better cost efficiency**: Speed up all processes with the direct import of data to the software.
- **Excellent support**: As all components come from the same supplier, you always have the right person on hand to help you.
- **Consistent documentation**: This is especially important for implant cases.
Tizian Smart-Scan

High precision is the basis for an accurate fit.

- Scans individual stumps, bridges of up to 16 units, abutments and supra constructions, opposing jaw, mush bite, gingiva, wax-ups, wax models, slide attachments
- Quick and safe fixation of the bases
- Scan times:
  - individual stump: approx. 59 sec
  - complete jaw: approx. 92 sec
  - 3-unit bridge: approx. 93 sec
- Rescan feature
- Highly flexible and no dependence on a specific system: exports open STL-files
- Do more with less: coordinated software + large field of view = high precision
- High precision with a large field of view: 80 x 60 x 80 mm
- Even more exact: ideal for large bridges and implant supported restorations
- Shorter scan times
- For maximum performance: up to 72 % faster
- Ideal dimensions (w/h/d): 43 x 52,5 x 47 cm

High precision is the basis for an accurate fit.
The fastest and best Tizian scanner!

Tizian Smart-Scan - up to 72 % faster.

The advantages of Tizian Smart-Scan

- Needs fewer scans to record a complete jaw with higher precision
- Software: Reduced matching time, faster data upload, new filters and a new calibration method for highly precise STL-files
- Open export of STL-files for more independence
- Very compact system: 430 x 525 x 470 mm
- Suitable for many articulator systems
- Compatible with the Complete Digital Workflow
- Reduced scan time (up to 72 % faster)
- Very large field of view
- High precision scan results even with large-span restorations such as bars and implant-supported bridges

Live-Workshops CAD/CAM
and other Schütz events at our facilities or, upon request, at a location near you.

Visit http://sdent.eu/events to find the suitable course.
Tizian Creativ RT CAD-Software

High-End Software in „real time“.

Tizian Creativ RT CAD Software is a state-of-the-art high-end product. It is constantly developed further and gives the user the security of knowing that it is future-proof.

Your advantages

- Fast operation: You work with a high-capacity workstation, Quadcore, 64 bit*, specially improved for this software.
- Flexibility: It is possible to modify individual parts of the design subsequently.
- Focus on the essentials: Depending on the restoration type, important parameters are selected automatically.
- A high level of creativity: Individualize the automatically created restorations with a wide range of virtual tools.

- Free language selection:
  Choose between the languages indicated below.

- A wide range of indications.
- A wide choice of materials, material selection is easy
- Improved data export feature for 3-, 4-, or 5-axis milling and laser sintering.
- Additional scan features, e.g. for gingiva mask or situ model, are optional.
- All parameters are individually adjustable, e.g. cement gap or minimum thickness.

*Software price does not include the work station. Model and configuration might vary.

All inclusive

The basic software already includes these great features.
Abutments

...don't buy them - design them...

Choose from over 170 different abutment types and fashion them with Tizian Creativ RT CAD Software. Find most established implant systems in the software’s data base (glue bases, no-lock abutments and lock abutments).

Your advantages

• Tailor to your customer’s needs:
  Design individual abutments¹.
• Save money: Produce the abutments at your own lab.

You can design and mill preshaped abutments with your software. The preshaped abutments and their connection to the implant can be individualized. They are manufactured industrially and offer you these great advantages:

• shorter milling times (up to 80 %)
• longer service life of the mills (up to 70 %)
• very precise connection between implant and abutment.

* Available for an extra fee.

¹ Implants with internal hex must only be used for suitable alloys.
Splint Tool

All relevant patient data is gathered conventionally or with the zebris Functional Jaw Movement Analysis. The attending dentist sends you the data by e-mail. You import it into your software with just a click. This data will help you design a therapy splint.

Your options

- reflex splints
- centric splints
- distraction splints
- night guards

Optional: Transfer the data collected with zebris to your Tizian Creativ RT CAD Software

Design occlusal splints easily

DICOM Viewer

The comparison of your model and the patient’s DICOM data shed an exceptional light on your construction. The data compiled by this software tool are the basis for the design of drilling templates and preoperative temporary restorations.

Amongst others, this tool offers you the following amazing advantages

- Be able to preplan ideal restorations with regard to implant position and bone quality.
- Design your restorations with soft tissues, such as lip volume, in mind.

* Available for an extra fee.
Virtual articulator
A "must have" for all modern dental labs.

This software module is compatible with several different articulators: SAM® (SAM® Präzisionstechnik GmbH), Baumann (Baumann Dental GmbH), Artex® (Amann Girrbach AG). Or just use a universal articulator. Work with the articulator of your choice. The Virtual Articulator and the zebris Functional Jaw Movement Analysis device are ideally adjusted to each other. This lets you simulate the jaw movements exactly as they are.

This tool offers many possibilities

• great time savings
• better functional results
• simpler processes when designing fully anatomical restorations

Optional: Transfer the data collected with zebris to your Tizian Creativ RT CAD Software

* Available for an extra fee.
Framework Tool

50 % faster and with a great fit.

Design frameworks virtually on screen and mill them from acrylic, wax or PEEK. Tizian PEEK constructions do not even have to be refinished - after milling, you already hold your finished framework in your hands.

Here are your advantages in comparison to conventional cast frameworks created on a duplication model:

- Automatic virtual blocking out and parallelizing saves your time.
- No duplication model necessary, which about halves the time necessary to invest the model.
- A better fit:
  One time investing = Only one expansion
- Safe heating of the muffle. The muffle is homogeneous and there is no predetermined breaking point between model and the second layer of investment material.

Extended tooth data base

In addition to the standard tooth sets in the software library, this tool offers a total of 42 anterior tooth sets and one posterior tooth set.

* Available for an extra fee.
Bars with abutments
...choose from 15 different shapes.

Design individual bar constructions, such as implant-supported bars, with your Tizian Creativ RT CAD Software and this additional software module. The automatic parallelizing device helps you align the constructions quickly and safely.

TruSmile Technology
Show us your "true smile"!

TruSmile Technology is another optional feature of our software. Photorealistic images let you believe that you are working on a real tooth. Real-time design and construction blur the boundaries between your digital creation and the real work.

Your advantages

- Save time when designing aesthetic restorations.
- Have more fun with your virtual designs.
- Bring your fully anatomic restorations to perfection.

* Available for an extra fee.
Eggshell Temporaries
Minimally invasive and true to nature.

Design temporaries for non-invasive or minimally invasive preparations in only three simple steps.

This is how it works

1. Scan the situ model.
2. Upload the desired tooth shape from the tooth library or adopt the original shape. The selected shape is automatically matched with the situ model.
3. Mill the temporary crown, e.g. from a Tizian PMMA Blank.

When producing such a crown, the dentist will only now start preparing the tooth. It will only be ground a bit to have enough space for the cement. This way, the dentist protects the natural tooth substance. The same day of the tooth preparation, the dentist can already provide the patient with a professionally made temporary.

* Available for an extra fee.
Model Creator
Model management in your hands.

Some of your customers already work with intraoral scanners. This tool helps you produce the according saw-cut models. The software creates the chamfers automatically. Afterwards, you mill the model with your Tizian Cut 5 or Tizian Cut 5 smart milling machine.

Choose the Model Creator that best suits your way of work.

Model Creator, type 1

Generate two datasets with this Model Creator type:
- dental arch that can be fitted with a socket, enabling you to mount it in the articulator
- removable individual stumps

Model Creator, type 2

This version provides a conventional saw-cut model and a dental arch that is separated in those positions marked beforehand while it is being milled.

All parts of the saw-cut model are already fitted with the according drill holes to mount the model on the articulator plates (e.g. made by Baumann). Just set the milled parts onto the articulator plate. You have got a CAD/CAM produced saw-cut model. This saves you putting a base on the model.

* Available for an extra fee.
Milling Machines and Sintering Furnaces

**Tizian Cut 5.2***
The highly precise power pack. 5-axis milling system for up to 20 different materials (w/d/h 1058 x 789 x 847 mm)

**Tizian Cut 5 smart plus**
With 8-fold blank changer (B/T/H 692 x 445 x 540 mm)

**Tizian Cut eco plus**
Space-saving, precise, favorably priced. 4-axis milling system (w/d/h 400 x 385 x 420 mm)

**Sinter furnace Tizian Furnace HTS**
The "solid" one

**Sinterofen Tizian Furnace HT**
The "large" one

**Sinterofen Tizian Furnace HTS-Speed**
The "fast" one

* Optionally available with automatic blank changer.
** This milling machine is also available with water cooling and/or an additional fully automatic blank changer.
Tizian Blanks

Quality-controlled for your safety.

**Tizian Zirconium**
Indications: bridges (up to 16 units), crowns, can be veneered with ceramics (coefficient of thermal expansion 10.6), Maryland bridges, and much more.

**Tizian Occlusal (zirconium dioxide)**
Higher translucency than conventional zirconium dioxide. Indications: inlays, onlays, bridges (up to 16 units), crowns, can be veneered with ceramics (coefficient of thermal expansion: 10.1), and much more.

**Tizian Translucent (zirconium dioxide)**
Zirconium dioxide with excellent physical properties and a very high translucency. Indications: inlays, onlays, bridges (up to 16 units), crowns, can be veneered with ceramics, (coefficient of thermal expansion: 10.0), Maryland bridges, and much more.

**Tizian Color (zirconium dioxide)**
Because no additional coloring liquid is necessary, these pre-colored zirconium dioxide blanks are very gentle on your sintering furnace. Indications: bridges (up to 16 units), crowns, can be veneered with ceramics, (coefficient of thermal expansion: 10.1), Maryland bridges, and much more.

**Tizian PMMA**
Tooth-colored resin blanks with excellent physical properties. Available in these shades: A1, A2, A3, A3.5, B1. Indications: long-term temporary restorations (up to 6 months), can be veneered with composite.

**Tizian Transpa (PMMA)**
Clear PMMA with physical properties which are similar to those of natural teeth. This makes the material gentle on the antagonists. Indications: bite splints, reflex splints, burn-out material, dimensionally stable which makes it ideal for try-ins.

**Tizian Wax**
Very good fit of the resulting restoration. Indications: burn-out material, try-ins.

**Tizian Model**
Made from a special, very abrasion-resistant material. Indications: saw-cut models, master models.

**Tizian Titanium (grade 4)**
Indications: crowns, bridges, can be veneered with ceramics (coefficient of thermal expansion: 10.3), inlays, onlays, abutments.

**Tizian Titanium (grade 2)**
Indications: bars, bar constructions and implant supported constructions (coefficient of thermal expansion: 9.6)
Tizian Blanks
Quality-controlled for your safety.

**Tizian NEM**
This CoCr-alloy is easy to mill thanks to its Vickers hardness of 320 HV. What's more, the material is free of beryllium and nickel. Indications: crowns, bridges, can be veneered with ceramics (coefficient of thermal expansion: 14.5), inlays, onlays, abutments.

**Tizian Zirconia Reinforced Composite**
This material combines the advantages of both zirconium dioxide and composite: High stability, excellent aesthetics, gentle on the opposing dentition and it can be veneered with composite.
Indications: Can be veneered with composite (for permanent restorations), temporary bridges (up to 14 units), temporary frameworks for implant-supported restorations, individual crowns, veneers, onlays, inlays, and much more.

**Tizian PMMA Pink Blank**
Pink acrylic blanks made of PMMA for full dentures. Advantages: Excellent mechanical properties, can be repaired, e.g. with FuturaJet pink, low residual monomer, high color stability.

**Tizian PEEK Blank**
Blanks made from polyetheretherketone (PEEK), suitable for the production of removable dental restorations. After adequate surface conditioning, PEEK can be veneered with conventional veneering composites.
Advantages: Very good gliding properties which make the material an ideal alternative to galvano restorations, high resistance to plaque accumulation, high elasticity while exhibiting a low elastic modulus, free of MMA and benzoyl peroxide, fracture resistant and with a high chemical stability. On top of all, the material is radiopaque and can be sterilized.
We are here for you:

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Equipment Service           -444

Call us today!
Or for further information, please visit www.schuetz-dental.com
Ask for these brochures on other components of the "Complete Digital Workflow":

Tizian CAM

- Tizian CAM Milling Machines

Simple and precise Prothetics

- zebris Jaw Measurement

Tizian Blanks

- Tizian Blanks Overview

IMPLA 3D Navi

- ... simply safe
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