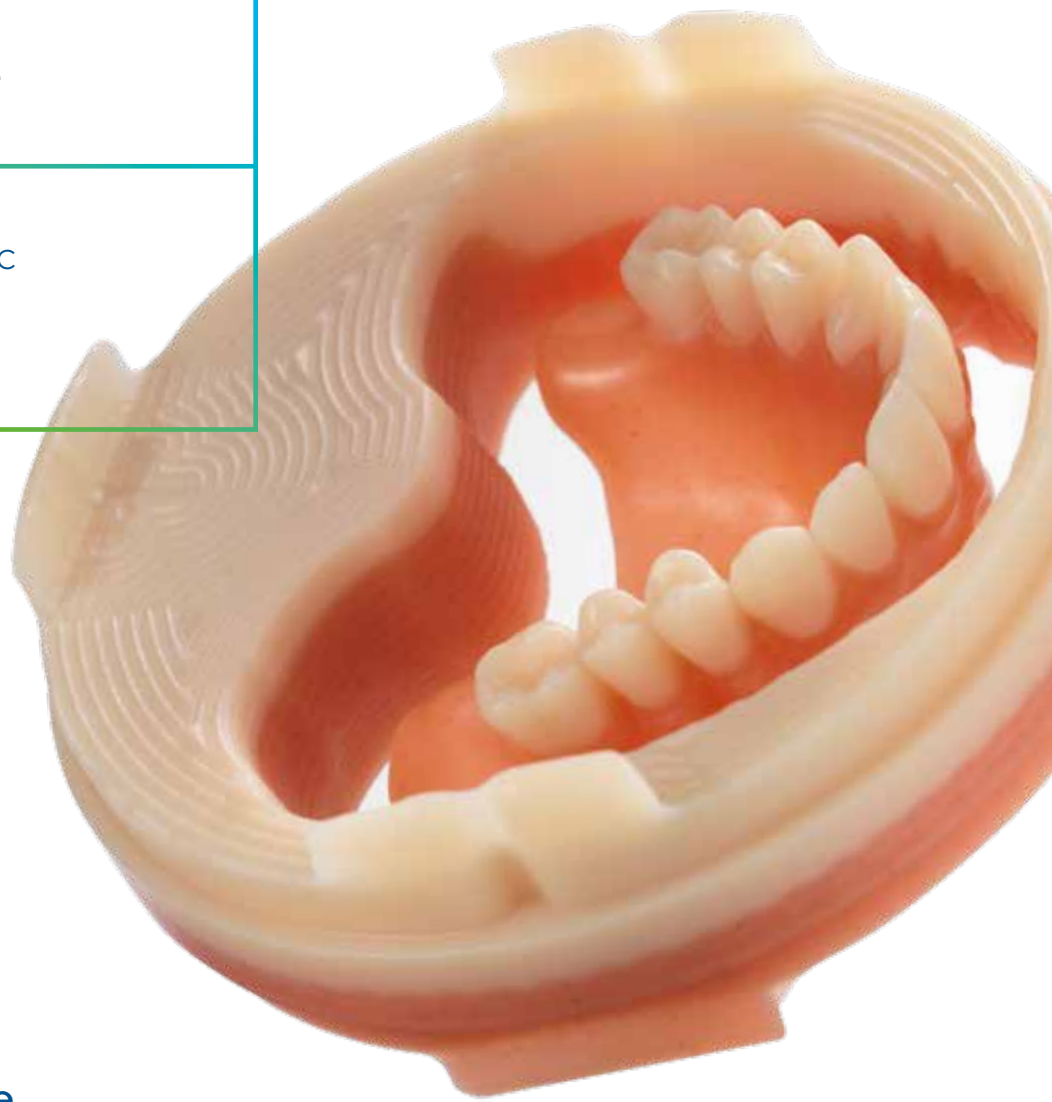


The fast predictable process

Digital Denture

Digital dentures
made from one disc
with the Ivotion
Denture System



Amazing efficiency and appealing esthetic results



The Ivotion Denture System offers a seamless and fast digital manufacturing process for fabricating top-quality removable dentures.

The seamless workflow involves both established clinical treatment steps and efficient digital laboratory fabrication methods. As a result, you will benefit from accurate planning and predictable results.

Ivotion is at the centre of this system. This monolithic disc features both tooth and denture base materials and allows you to fabricate customized complete dentures in one continuous milling process.



Consult

Visualization of the treatment goal with the IvoSmile app



Scan and design

Precise digitalization and intuitive design process with the 3Shape scanner and the 3Shape Dental System



Decide

Monolithic complete dentures with Ivotion



Produce

High performance and fast fabrication with the PrograMill PM7 milling machine



Care

Oral health management with Cervitec Gel

Fast

- Only a few manual work steps
- Fast tooth setup due to extensive tooth libraries

Top quality

- Premium PMMA material ensures high strength and biocompatibility
- Ivotion does not require any bonding of the tooth and denture base materials

Predictable

- Reliable results for dental technicians, dentists and patients
- Customized dentures
- Integrated and validated workflows

Where beautiful smiles begin

Show your patients their incredible new smile in just a few minutes in real time with IvoSmile.

The IvoSmile app features augmented reality technology to give patients an impression of their own face showing a dental smile makeover on an Apple iPad or iPhone. The possibility of viewing oneself with a new smile in a virtual mirror is an exciting experience for patients and will make them think seriously about a smile makeover.

Digital communication makes it easier and more convenient to communicate effectively with both your patients and laboratory partners.

- ✓ Real-time 3D visualisation of potential treatment outcomes
- ✓ Fully integrated in the 3Shape Dental System
- ✓ Facilitates communication between dentists and dental technicians

Customary impression taking

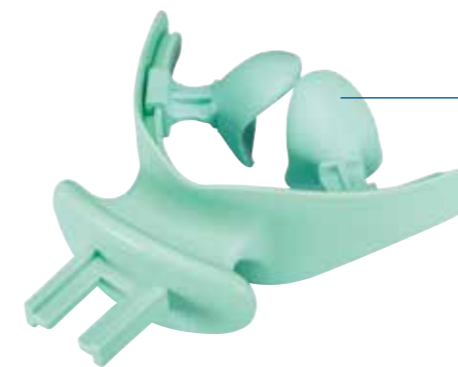
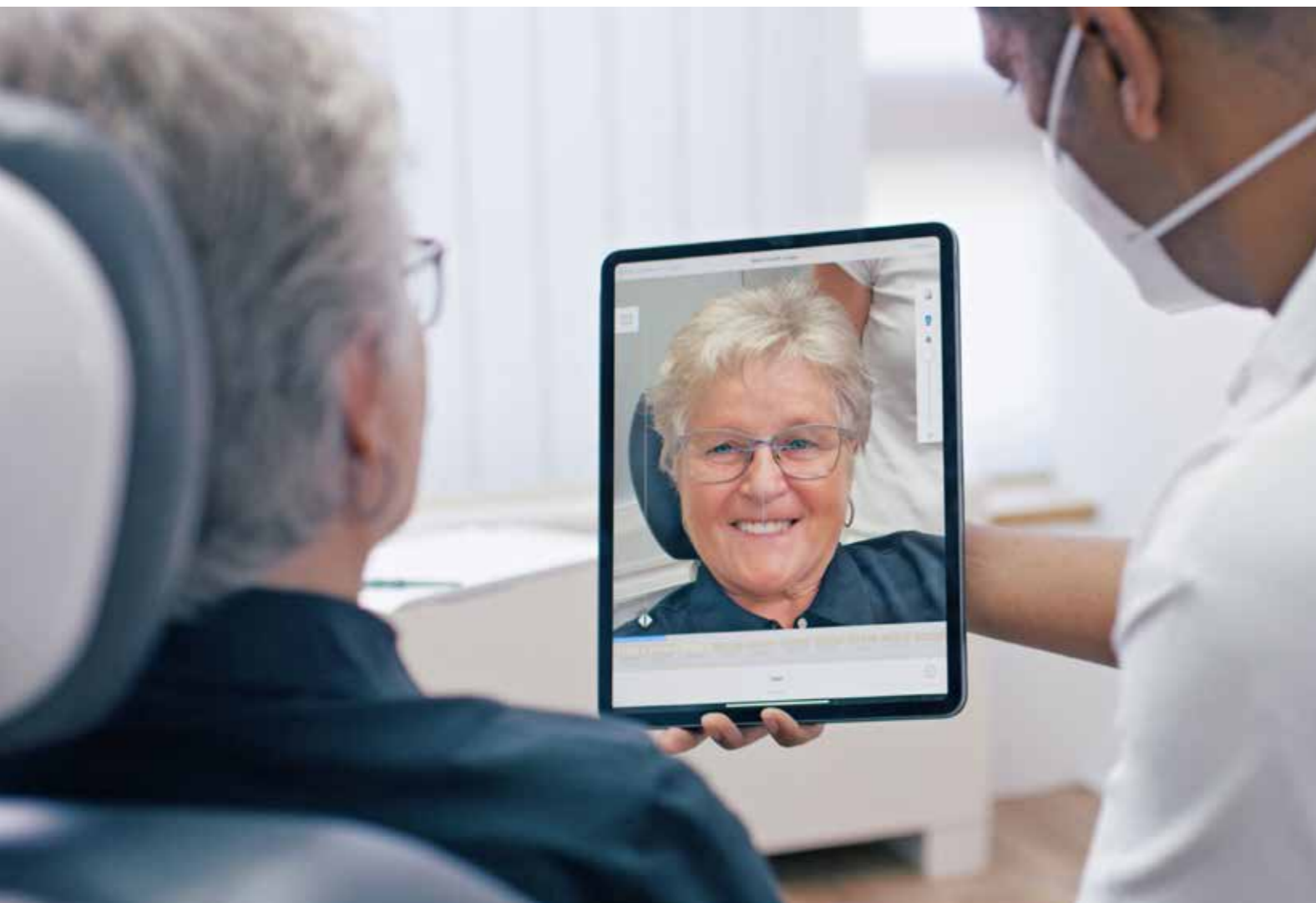
Proven clinical treatment methods and devices: the basis for accurately fitting dentures

The Ivotion Denture System is based on Ivoclar's long-standing expertise in removable denture prosthetics.

Clinical instruments have been specially developed for the Ivotion Denture workflow in order to ensure an excellent data input for the subsequent fabrication of the denture.

The denture fits the patients' needs perfectly which means they require fewer dental visits.

- ✓ Ease of application in the customary procedure
- ✓ Precise database to achieve exact and predictable results
- ✓ Accurate planning and high reliability



Centric Tray

- Easy preliminary bite registration
- Compatibility with UTS CAD
- Universal size

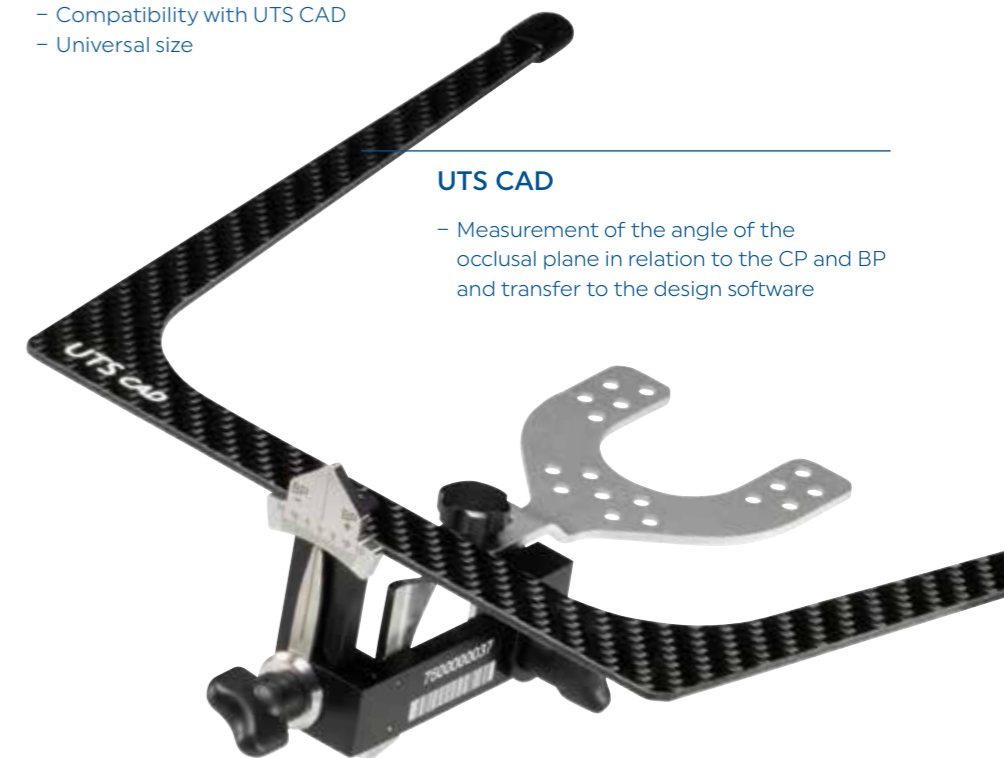
Gnathometer CAD

- Determination of the intraoral maxillo-mandibular position on CAD/CAM-fabricated 3D Bite Plates
- Multiple use



UTS CAD

- Measurement of the angle of the occlusal plane in relation to the CP and BP and transfer to the design software



Scan and design: fast and powerful

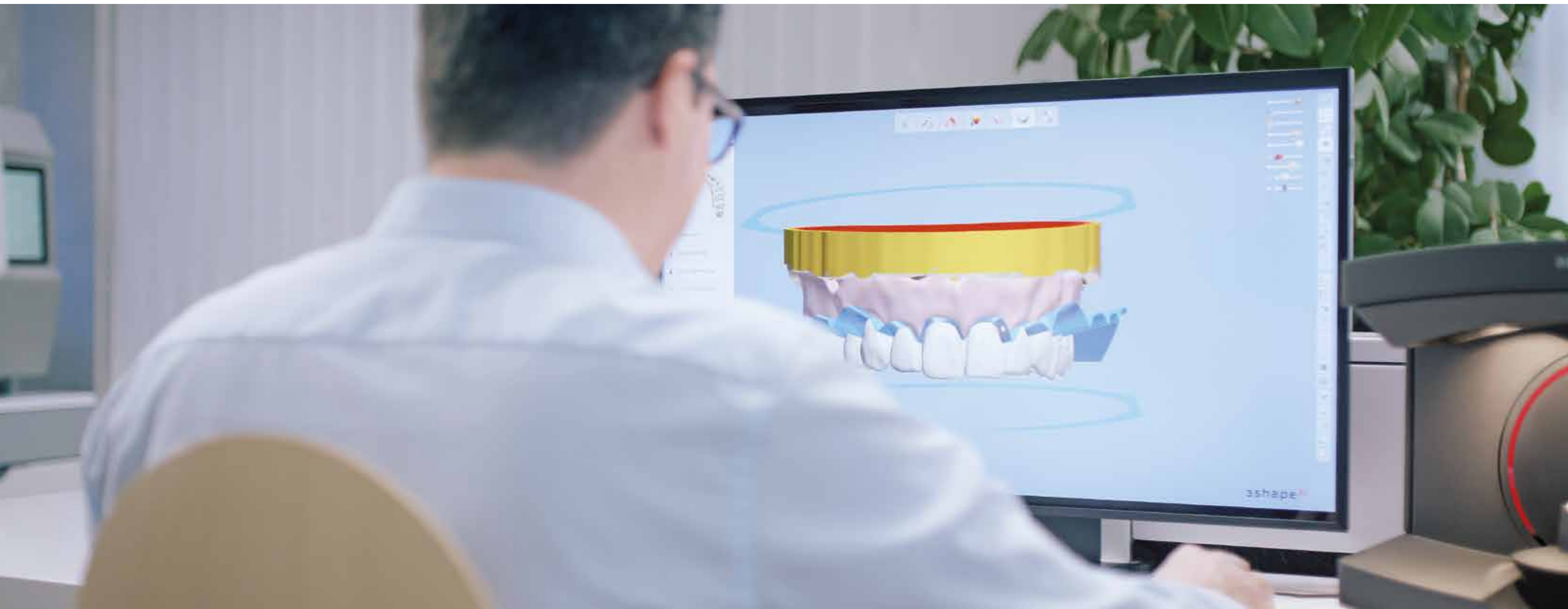
The high-performance scanners and the intuitive design process allows you to digitalize and design accurately fitting dentures.

The precise 3Shape lab scanner and the intuitively operated 3Shape Dental System™ are fully integrated in the Ivotion denture process.

After the scanning process, the digital dentures are individually designed and customized with the intuitive 3Shape Dental System.

The system features extensive tooth libraries in addition to sample tooth setups, morphing tools, various set-up functions and the latest gingiva designs.

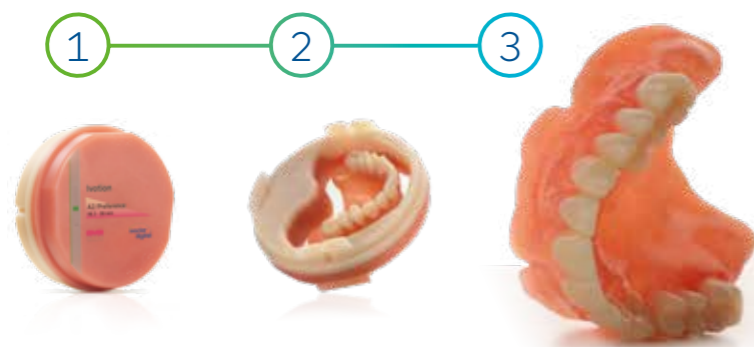
- ✓ No time-consuming fabrication of models, because the impressions are efficiently digitized
- ✓ Customized and accurately fitting design generated by an intuitive CAD software
- ✓ Fully integrated



The key to amazing efficiency

Ivotion allows you to benefit from highly efficient manufacturing of monolithic complete dentures milled from one disc.

Due to the disc's unique Shell Geometry, complete dentures are milled from one disc in one uninterrupted milling process without any time-consuming manual working steps.



One disc. One milling process. One denture.

After the complete denture has been designed, the monolithic restoration is quickly milled in an uninterrupted milling process in a PrograMill milling machine. The milled denture only needs polishing.

Shell Geometry

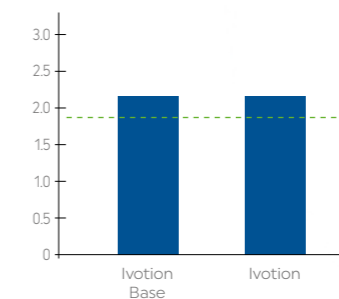
The Shell Geometry is a data-based, three-dimensional tooth and dental arch structure which is designed for fabricating upper and lower dentures. This innovative technology is located within the disc and defines the transition between the tooth and the denture base parts of the disc. A large number of time-tested complete dentures that are still in service were analysed to establish the common denominator on which this structure is based.

In the intuitive CAD design process, the dentures are customized to the patient's needs with the help of the Shell Geometry. This digital technique allows you to fabricate dentures for a wide range of jaw shapes and sizes.



The disc is available for upper and lower dentures in the tooth shades BL3, A1, A2, A3, A3.5, B1 and in combination with the gingiva shades Preference, Pink-V and US-D.

Fracture toughness¹ [MPa*m^{1/2}]



High-quality PMMA material

Ivotion combines a highly proven cross-linked PMMA tooth material with a premium denture base material.

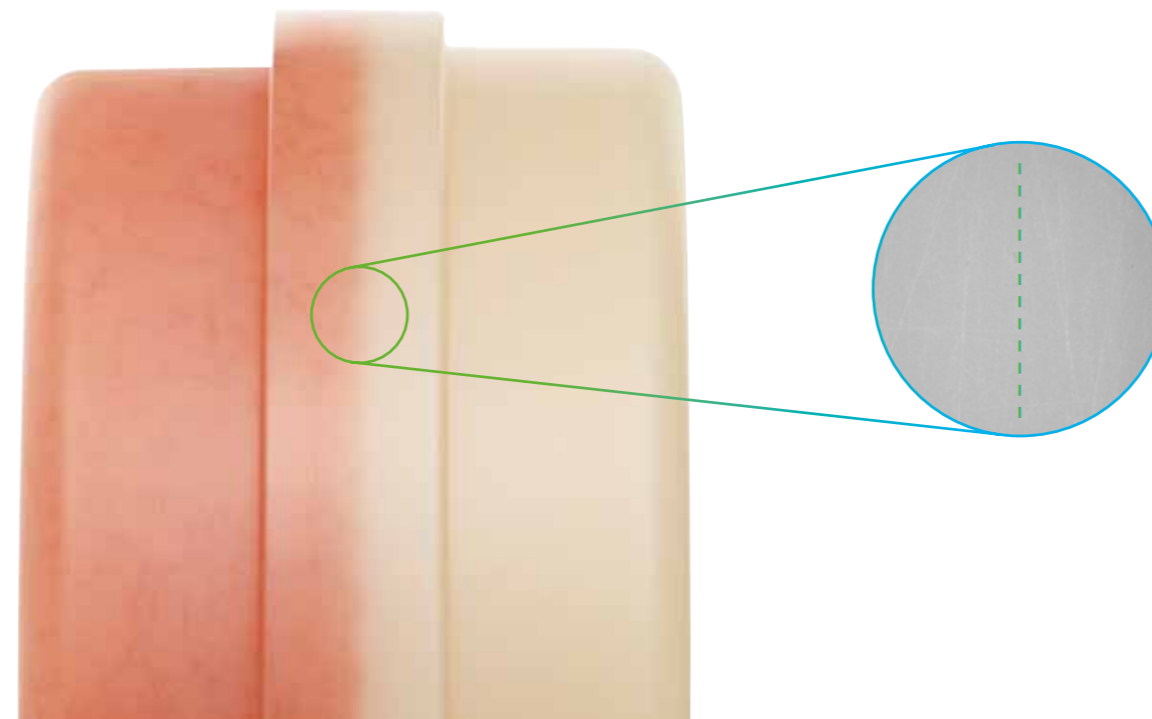
[1] Fracture toughness properties $K_{Ic,max}$ based on ISO 20795-1:2013, internal test. The green line indicates the minimum requirements ($K_{Ic,max} \geq 19 \text{ MPa} \cdot \text{m}^{1/2}$) for high-impact denture base materials in accordance with the standard.

Fast and reliable

- ✓ Manual work steps are reduced to a minimum
- ✓ One uninterrupted milling process; bonding of the teeth is not required

High quality

- ✓ Premium PMMA material ensures long-lasting removable dentures and is also ideally suited for the fabrication of implant-supported dentures
- ✓ Truly monolithic

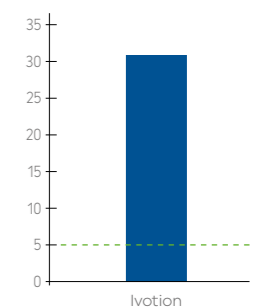


Truly monolithic

A state-of-the-art manufacturing process produces a tight chemical bond between the two materials to produce a smooth transition and a stress-free monolithic disc.

[2] Shear bond strength value of Ivotion, measured on the basis of ISO 10477:2018, internal test. Sample values are shown. The green line indicates the minimum requirements ($\geq 5 \text{ MPa}$) in accordance with the standard.

Shear bond strength² [MPa]



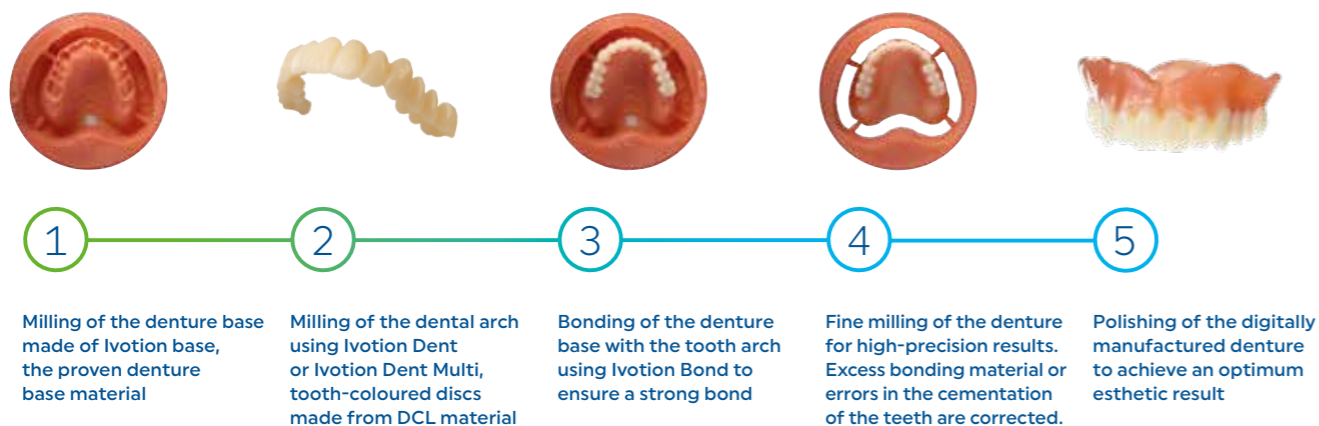
Flexibility and esthetics offered by two discs

The manufacturing process involving two discs is characterized by exceptional individuality and flexibility: It enables you to tackle even the most challenging cases.

Two Ivotion discs comprised of high-quality tooth and denture base materials are available for the fabrication of removable dentures using the proven oversize technique: Ivotion Base and Ivotion Dent or Ivotion Dent Multi.

- ✓ High flexibility – e.g. for very large dental arches
- ✓ High esthetics without time-consuming post-processing because of the harmonious progression of the shade within Ivotion Dent Multi
- ✓ High reliability due to the high-impact strength denture base material

Five steps for a high-end denture:



Denture base

Ivotion Base

The Ivotion Base discs are made of high-impact strength denture base material. The shade range is coordinated with that of the denture base materials from Ivoclar.

- Thickness: 30 mm
- Shades: Pink, Pink-V, Preference, 34-V and US-D



Tooth material

Ivotion Dent

The Ivotion Dent discs are made of tooth-coloured, monochromatic DCL material. They are characterized by outstanding translucency and lifelike fluorescence.

- Thickness: 20 mm
- Shades: BL3, A1, A2, A3, A3.5, B1, B3, C2, D2

Ivotion Dent Multi

The Ivotion Dent Multi discs are made of multichromatic DCL material. The harmonious progression of the shade within the disc imparts the denture teeth with exceptional esthetic properties. They do not require any time-consuming additional characterization.

- Thickness: 20 mm
- Shades: BL3, A1, A2, A3, A3.5, B1, B3, C2, D2

Bonding material

Ivotion Bond

Ivotion Bond generates a strong bond between milled or prefabricated denture teeth and machined denture bases:

- Pre-dosage ensures clean work procedures
- Strong bond
- Universal pink colour matches the denture base



Maximum performance and impressive efficiency

Mill your digital dentures with the coordinated PrograMill® machines and enjoy utmost precision and efficiency.

The materials, the CAD and CAM software and the milling machines all work together smoothly to produce high-precision dentures of the finest quality: Equipped with a high-performance spindle and a material changer, the PrograMill PM7 ensures a highly efficient manufacturing process.

The integrated ionizer neutralizes the static charge of the acrylic shavings produced when machining PMMA materials. The shavings are then easily evacuated for a clean working environment. This helps you save time so that you can focus on other important tasks.

- ✓ Innovative and user-friendly operation
- ✓ Integrated ionizer and automatic self-cleaning, provided by Active Air Suction
- ✓ 8-way material changer for an uninterrupted process

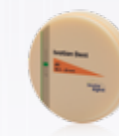


Manufacture your digital dentures with an authorized milling system

Discs of the Ivotion Denture System can be machined in PrograMill milling machines and other authorized milling systems in the validated workflow of Ivoclar.



Ivotion



Ivotion Dent



Ivotion Dent Multi



Ivotion Base

Milling system	Ivotion	Ivotion Dent	Ivotion Dent Multi	Ivotion Base
Ivoclar: PrograMill PM7, PM5, PM3, DRY Zenotec select, select hybrid, select ion	✓	✓	✓	✓
Amann Girrbach: Ceramill ¹ Matik, Ceramill ¹ Motion 2		✓ ²	✓ ²	✓ ²
Dentsply Sirona: inLab ¹ MC X5		✓ ²	✓ ²	✓ ²

[1] Ceramill and inLab are not registered trademarks of Ivoclar Vivadent AG.
[2] Applies to the individual machining of discs and not to the oversize process.

Effective prevention and targeted protection

Cervitec® Gel supports patients in maintaining their oral health and prolonging the good quality of their dentures.

Cervitec Gel – the oral hygiene gel with chlorhexidine, fluoride and xylitol.

The optimized care formula of Cervitec Gel effectively protects the teeth and mucous membrane when used on a regular or weekly basis. It prevents inflammation and it freshens breath.


- ✓ Care and protection of gums, oral soft tissue and the inner surfaces of removable dentures
- ✓ Special protection for high-risk areas
- ✓ For in-office and at-home use



Removable prosthetics for your business success

Removable denture prosthetics is a fascinating dental field, which will maintain its importance for a long time to come. The Ivotion Denture System for digital denture prosthetics complements the well-known BPS System and the wide range of products available for conventional denture prosthetics from Ivoclar.

Versatile applications of Ivotion (upper and lower jaw):

-  ✓ Individual complete dentures
-  ✓ Complete dentures
-  ✓ Implant-supported dentures
-  ✓ Duplicate complete dentures
-  ✓ Immediate complete dentures
-  ✓ Overdentures

Ivoclar furthermore offers comprehensive solutions for partial denture prosthetics.



EVALUATE YOUR INVESTMENT NOW

Get inspired and discover the difference that digital dentures will bring to your work.

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