



BIOSAFIN[®]
CREA DIGITAL
CENTER

SERVING DENTAL PRACTICES, WINSIX
USERS AND ASSOCIATED DENTAL
LABORATORIES

Made in **100%
ITALY**

ITALIAN ENGINEERING,
TECHNOLOGY, AND
RESEARCH IN DENTISTRY

The **CREA** Digital Centre is a modern technological and production division located at the **BIOSAFIN** headquarters in Trezzano Rosa (MI), that is completely reserved for users of the WINSIX implant system and created to offer a complete package of dedicated services, including invisible orthodontics, guided surgery and the creation of customised prosthetics. **CREA** is the only existing digital centre in the world that offers the possibility of requesting customised solutions with the **ORIGINAL WINSIX** connections made with the unique and truly precise characteristics exclusively owned by BIOSAFIN. Experience and clinical evidence clearly demonstrate that the use of dental prosthetics made with **NON-ORIGINAL** connections brings into play productive approximations that, over time, could compromise the durability of the rehabilitation performed to the detriment of the patient and the clinician who performed the rehabilitation.

Comparison of the Fit Accuracy at the Implant-Abutment Interface in Original Abutment and Copy Compatible Abutment Connected to Original Implant

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Doctor OS - Sept. 2019 - XXX07

ABSTRACT

In recent years, research in implantology has been focused towards the improvement of two elements: implant surfaces and the implant-abutment interface. The development of better-performing implant surfaces has led to faster and more effective osseointegration. Both structural and functional improvement in the implant-abutment connection, on the other hand, has achieved excellent peri-implant hard- and soft-tissue stability over time, leading to the long-term success of implant-supported prosthetic restorations. The implant-abutment connection is a major point for the success over the years of an implant-supported prosthetic restoration – indeed, both biological and mechanical complications may arise if there is a poor fit between implant components. The biological complications include an increase in inflammatory infiltrate. The mechanical complications involve increased incidence of micro-movements, gradual loosening of the connection screws, and possible fracturing of them.

The first implant geometry to be introduced was the external hex connection, which reportedly may often exhibit broad micro-gaps. The internal hex connection was later introduced and is currently one of the most commonly used connections. The interface between an internal or external hex connection and the abutment significantly affects the mechanical tolerance of the implant-abutment unit with regard to fit, cyclic fatigue and preload. The success rate of implant systems are relevant only for implants and components evaluated and tested alongside each other. Therefore, the effectiveness and predictability of the components of the implant-abutment complex—as demonstrated by laboratory and clinical testing—may not be the same if the same components studied are not used. If we do use the same components, they must be used in combination with the same secondary components used in the study in question. Thus, it is vitally important that the right components are chosen for an implant system if an implant-supported prosthetic restoration is to be successful long-term.

Fig.1
Section A area 4
(magnification power 5000x).
From the analysis of the fourth area, a gap of 1.173µm was detected at the first point (Pa R1), and a gap of 1.642µm at the second point (Pa R2).

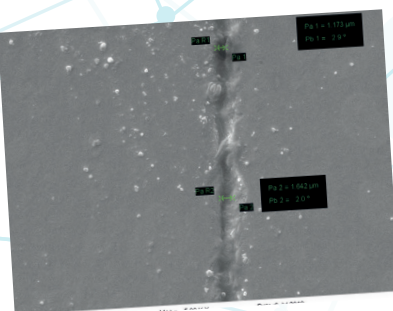
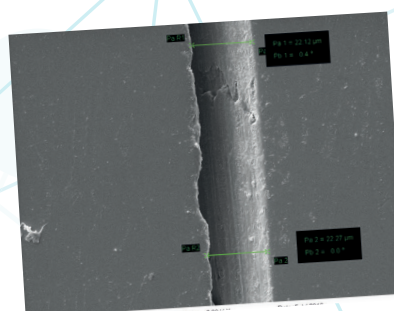


Fig. 2
Section B area 1
(magnification power: 2000x).
From the analysis of the first area examined, a gap of 22.12µm was detected at the first point (Pa R1), and a gap of 22.27µm at the second point (Pa R2).

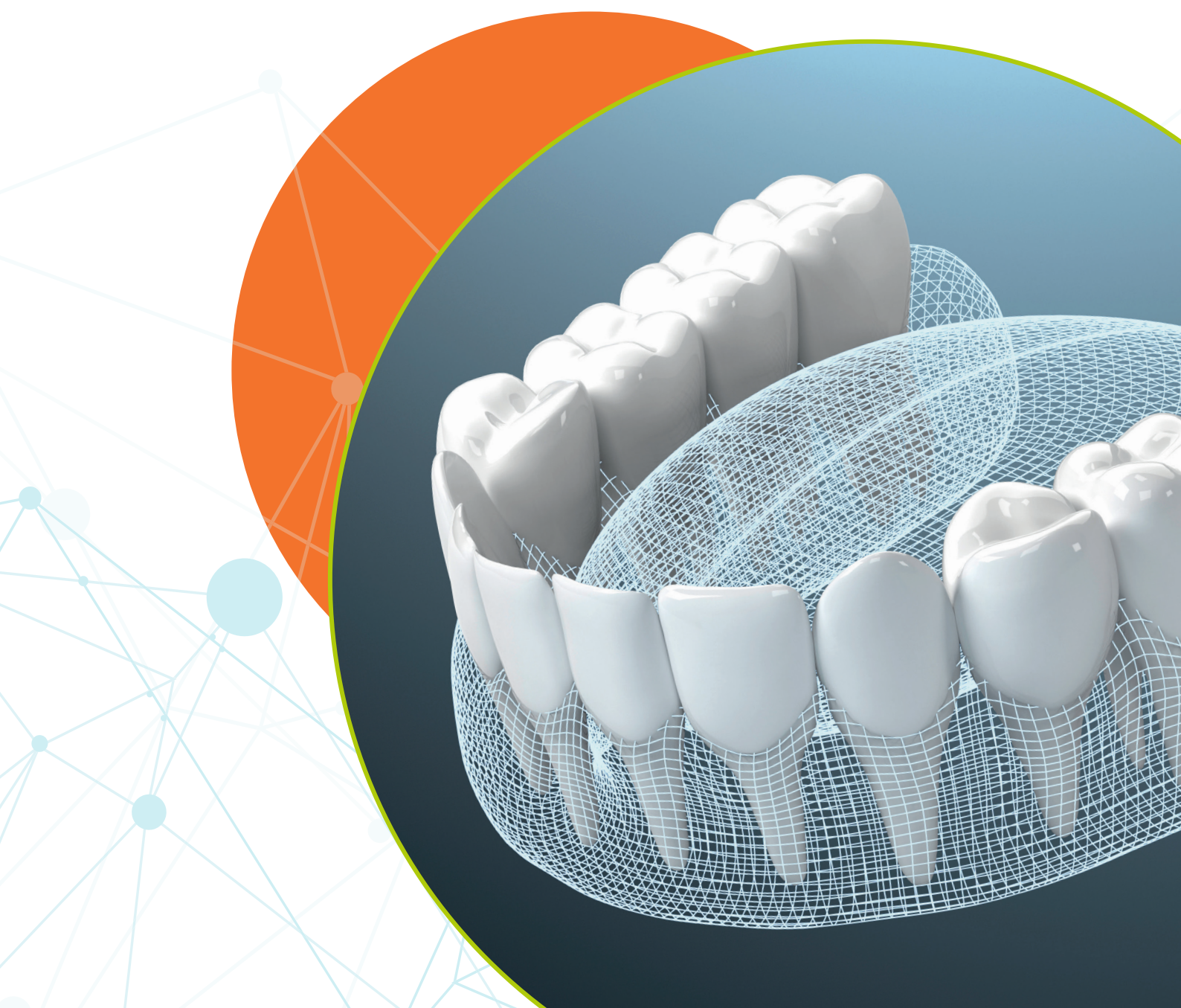


The CREA Digital Centre combines the search for increasingly innovative solutions with **BIOSAFIN'S** vast experience in the field of dentistry as a manufacturer of dental implants, prosthetic solutions and aligners that are made directly at its own production plant, which is constantly subjected to strict quality controls.

The CREA centre boasts a large digital area that BIOSAFIN makes completely available to its customers who, thanks to a series of tailored services, will identify, process, design and implement the ideal solution for the patient.

In fact, the CREA Digital Centre uses, jointly and in a perfectly integrated manner, the best software systems on the market for computer-assisted design and production that, in addition to making the transfer of information easier and safer, allows for complete control of processes and better reliability and safety that benefits the final result and clinical use.

With CREA, BIOSAFIN does not aim to be just a manufacturer, but as always, to also be an **ideal, reliable partner that constantly invests in the end customer,** to guarantee processes and solutions that are consistently up-to-date and that clinicians can easily access, thus avoiding the significant costs necessary for the supply of machinery and instrumentation that periodically require substantial and expensive maintenance interventions.



DIGITAL SERVICES THAT OPTIMISE YOUR WORK, MAKING THE WORKFLOW INSTANT, STRAIGHTFORWARD AND PRECISE.

The use of digital processes in practice allows information flows and times to be optimised, thus minimising errors during various steps, and obtaining extremely precise, quality prosthetic products.

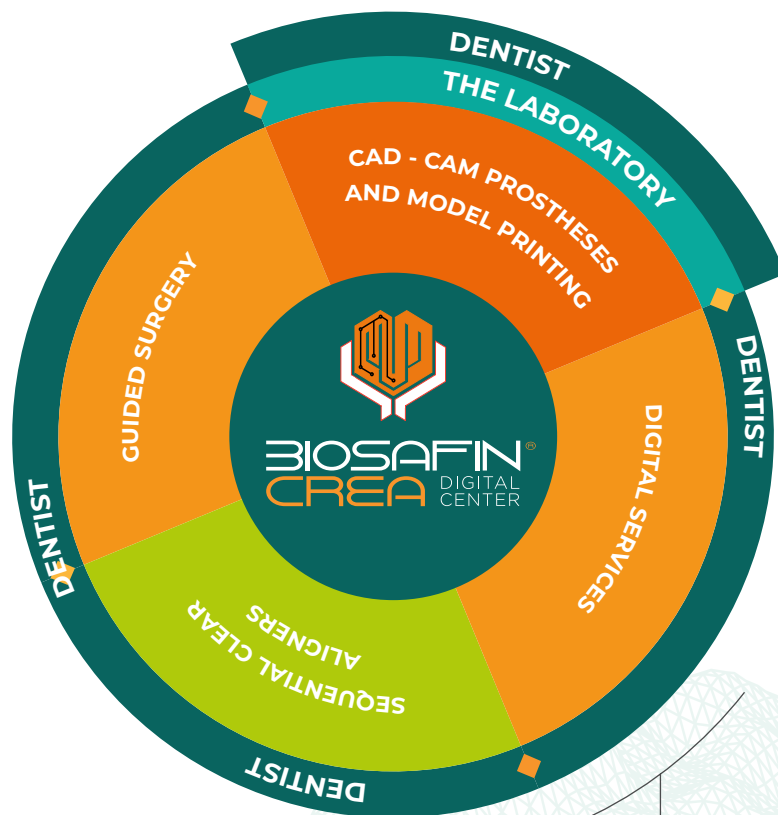
CAD - CAM PROSTHESES

Customised prostheses using CAD-CAM technology are an integral part of the digital workflow.

The use of original WINSIX mathematics and tolerance quality controls guarantee the elimination of any gaps in the implant/prosthesis interface.

THE LABORATORY

The DIGITAL CREA Centre communicates with both digital laboratories and traditional facilities.



TYPES OF BIOSAFIN CREA SERVICES

PRODUCTION OF CLEAR ALIGNERS

- ▶ PROJECT DEVELOPMENT AND PRESENTATION
- ▶ PRINTING OF SEQUENTIAL CLEAR ALIGNERS
- ▶ SPECIALISED HELP

3IALIGNER

GUIDED SURGERY

- ▶ CREA-3D GUIDED SURGERY DEDICATED SOFTWARE
- ▶ ASSISTANCE IN THE USE OF SOFTWARE
- ▶ PRODUCTION OF SURGICAL TEMPLATES COMPLETE WITH MASTER MODEL
- ▶ DEDICATED COMPONENTS

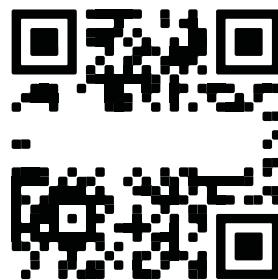
CREA-3D
GUIDED SURGERY

CAD - CAM PROSTHESES

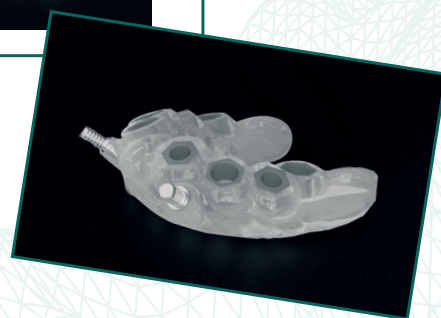
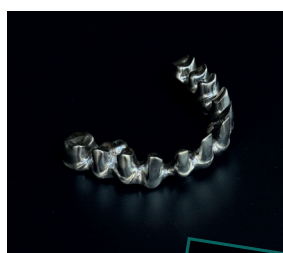
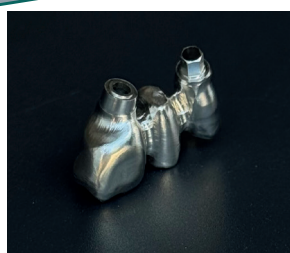
- ▶ PRODUCTION OF PROSTHESES FROM FILES
- ▶ DESIGN/PRODUCTION OF MODEL-BASED PROSTHESES WITH WAX UP
- ▶ DESIGN/PRODUCTION OF PROSTHESES FROM INTRAORAL SCANNING FILE/ DESKTOP SCANNER
- ▶ DESIGN/PRODUCTION OF PROSTHESES FROM WAX UP FREE PROTOTYPING
- ▶ PROTOTYPING

CREA-3D
CUSTOM PROSTHETICS

Use the **WINSIX CAD LIBRARIES** for your rehabilitation project. Scan the **QR code** to download directly for **3Shape, Dental Wings or Exocad and compatible software** systems.



SCAN ME



Made in **100% ITALY**

ITALIAN ENGINEERING,
TECHNOLOGY, AND
RESEARCH IN DENTISTRY



BIOSAFIN[®]
CREA DIGITAL
CENTER



BIALIGNER®

L'ALLINEATORE DENTALE



GUIDED SURGERY



CREA-3D®
GUIDED SURGERY



CAD/CAM PROSTHETICS



CREA-3D®
CUSTOM PROSTHETICS

Visit our website www.biosafin.com
and go to the CREA DIGITAL CENTRE page



BIALIGNER®

Services Offered

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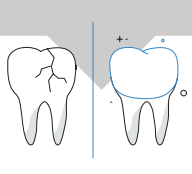
Technical assistance to identify the best solution for the resolution of the clinical case to be treated.

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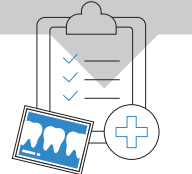
Individualised design not based on algorithms but performed by experts in orthodontics.

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Personalisation of the device with customised finishes.

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Delivery of the SET UP with detailed instructions of the protocols to be performed.

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Professional advice provided by specialists who will support the clinician in the introduction of the system within their dental practice.

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Use of exclusive BIOSAFIN protocols.

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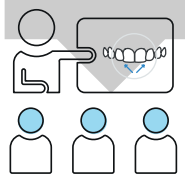
Passport of authenticity of the BIALIGNER treatment for the patient

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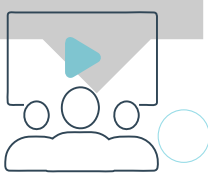
Dedicated customer service

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Specialised training courses of various levels

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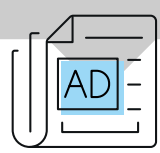
Video Tutorials available to clinicians

+



Marketing Activities aimed at dental practices for internal promotion of the rehabilitation technique **BIALIGNER - OPEN DAY**

+



Availability of the information material for dental practices (dental practice plaque - banner- poster and patient Brochure)

+



100% ITALIAN domestic and industrial production

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Scientific support

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Promotion of the BRAND through social media channels

The BIOSAFIN CREA digital centre is a modern, technological facility that also specialises in invisible orthodontics that offers less or more experienced dentists customised rehabilitation solutions.

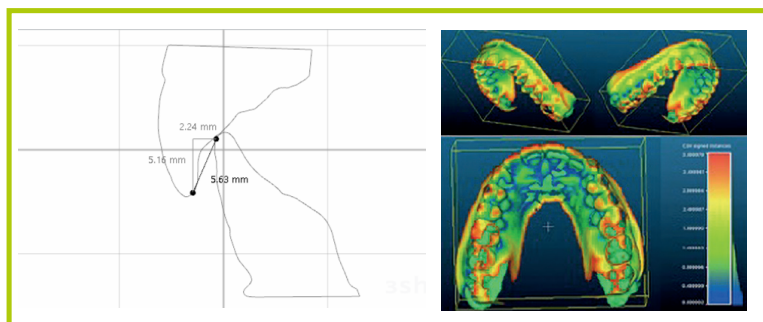
Thanks to the specialisation in invisible orthodontics and the support of experienced Orthodontic clinicians, **the CREA Centre** aims to offer an accurate service that is very attentive to the needs of the clinician and the aesthetic expectations of his patient. In fact, each rehabilitation project is studied starting from the patient's stated objective and the dentist's specific skills, in order to come up with a predictable solution without surprises.

ADHERING TO THE INVISIBLE ORTHODONTIC SERVICE OFFERED BY THE BIOSAFIN CREA DIGITAL CENTRE allows the clinician to quickly treat and satisfy patients who need aesthetic dental alignments and to take advantage of predictable rehabilitation projects described in a clear and simple way through detailed operational reports that will be a guide in the correct execution of the protocol.

The careful and accurate rehabilitation project, after the approval of the client doctor, will be taken over by the **CREA BIOSAFIN production department**, which thanks to its industrial identity can guarantee standardised production and quality processes made with the highest precision technologies and always of the latest generation.



Accuracy that allows for optimal results in the treatment plan.



If you would like more information about the **CREA BIALIGNER sequential clear aligners**, please contact us by email at:

crea.aligner@biosafin.com



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Orthodontic Passport

ITALIAN ENGINEERING,
TECHNOLOGY, AND
RESEARCH IN DENTISTRY





Maximum safety and transparency with the BIOSAFIN Orthodontic Passport

In a world increasingly attentive to the safety and quality of medical treatments, BIOSAFIN stands out as a leader in the field of orthodontics, offering innovative and reliable solutions to ensure bright smiles and lasting dental health. One of the revolutionary tools introduced by BIOSAFIN is the Orthodontic Passport for Invisible/Clear Aligners, designed to bring safety and transparency to the heart of every orthodontic journey.

Certification of the authenticity of the material

BIOSAFIN's Orthodontic Passport acts as a seal of authenticity for every dental aligner used in orthodontic treatment. Thanks to **ISO 13485** certification, we are able to guarantee the superior quality of medical devices used in the orthodontic process. This ensures professionals and patients that every dental aligner is made from safe, tested materials that meet the most stringent industry standards.

Precise monitoring of the orthodontic journey

The Orthodontic Passport also serves as a reliable guide to monitor every phase of orthodontic treatment. Thanks to UNI EN ISO 9001 certification, which certifies compliance of our work process with excellent quality standards, we guarantee precise and detailed monitoring of each visit and steps taken along the orthodontic journey. This not only gives practitioners greater peace of mind in managing treatment, but also gives patients greater peace of mind in seeing progress made transparently and reliably.

Professional and patient protection

With the BIOSAFIN Orthodontic Passport, the safety and protection of the professional and the patient are always at the centre of every decision and action. Certifications such as **ISO 9001** and **ISO 13485** demonstrate our commitment to ensuring the highest quality, safety and transparency at every stage of orthodontic treatment. With BIOSAFIN, you can face every orthodontic challenge with confidence, knowing that you have a reliable and competent partner by your side.

Rely on BIOSAFIN's Orthodontic Passport for a brighter, healthier and safer smile.

BIALIGNER®

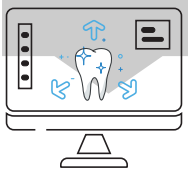


GUIDED SURGERY



Services Offered

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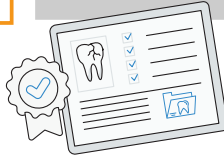
Availability of **CREA-3D Guided Surgery Assisted Design Software**

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ONE SHOT

One Shot Option for clients who wish to perform guided surgery cases but do not have the design software

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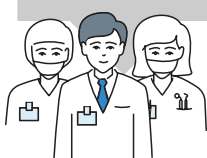
Predictable and safe protocols with exact indication of drilling steps

+



Guided Surgery Specialist Support and aesthetics

+



Clinical Support

+



100% in-house design and production of individualised surgical templates

+



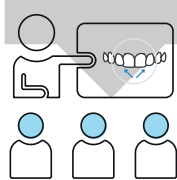
Promotional activities within the dental practice with **OPEN DAYS** dedicated to guided surgery with the support of specialists

+



Availability of prototyped models with holes for analogues

+



Training courses at all levels

+

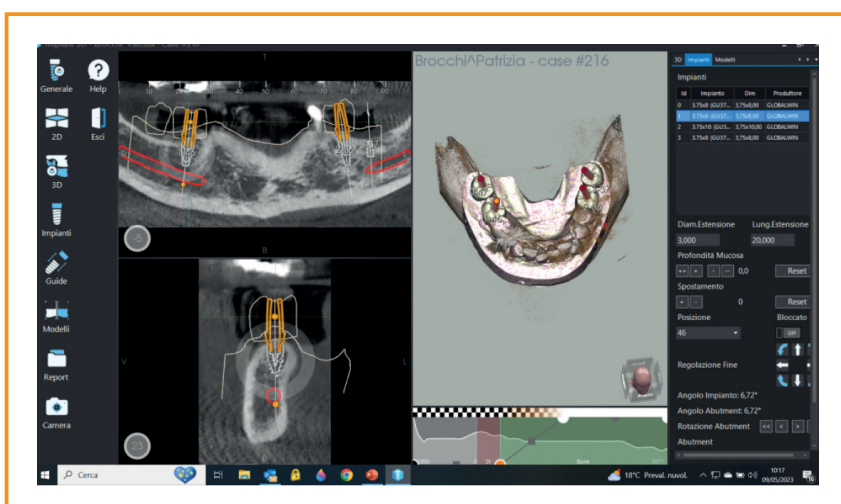


Trial service with free rental of the guided surgery kit for the first case

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100% ITALIAN domestic and industrial production



GUIDED SURGERY

The BIOSAFIN CREA Digital Centre offers a personalised dedicated **Guided Surgery** service reserved exclusively for **WINSIX Implant System** users.

Dentists who wish to implement their skills in guided surgery techniques may contact their local agent to request one of the **ONE SHOT services**.

Thanks to the One Shot service, with the guidance of a guided surgery specialist from the BIOSAFIN CREA Digital Centre, dentists will initially be able to plan the implants in virtual mode and will be guided on the correct use of the **3D Guided Surgery implant design software**.

With the approval of the design, the flow will continue with the construction of the **Surgical Template designed and produced at the BIOSAFIN CREA production department**.

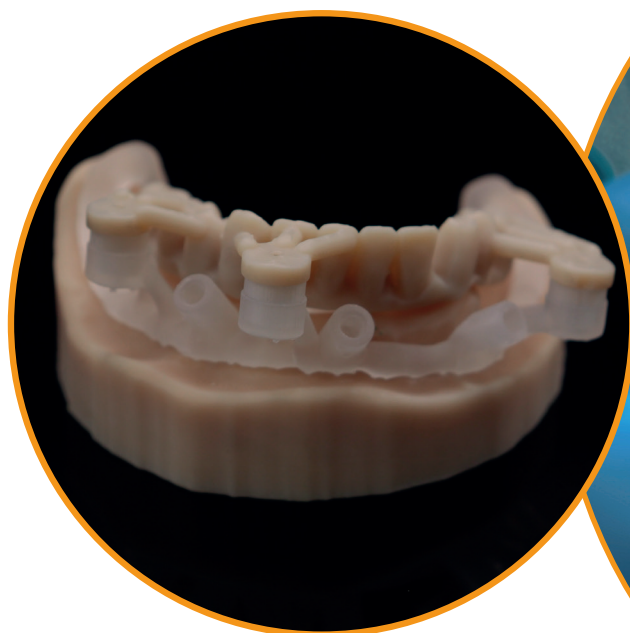
The technology used for the design and production of the surgical template, accompanied by strict quality controls performed on the final product guarantee a result perfectly aligned with the design carried out with the 3D Guided Surgery software.

This service model allows for implant-prosthetic intervention to be performed safely and predictably on both patients with total and partial edentulism.



If you would like information about **Guided Surgery services**, please contact us by email at:

crea.guidedsurgery@biosafin.com





WINSIX Implant Passport

*Prosthetic implants and
accessories*

ITALIAN ENGINEERING,
TECHNOLOGY, AND
RESEARCH IN DENTISTRY





BIOSAFIN WINSIX Passport: Guarantee of Authenticity and Personalised Monitoring

BIOSAFIN, at the forefront of prosthetic solutions, presents its innovative **WINSIX Implant Passport**, an essential document to certify the authenticity of prosthetic implants and accessories, as well as to monitor patients' vital information in detail.

Certification of Authenticity

The WINSIX Implant Passport is a seal of authenticity for every implant and prosthetic accessory made by BIOSAFIN. Thanks to strict quality control protocols and the adoption of the latest technologies in our production process, we can guarantee that each product is genuine, complies with the highest standards and is made with high quality materials. This ensures professionals and patients the utmost peace of mind in the use of safe and effective implants and prosthetic accessories.

Personalised Patient Monitoring

The WINSIX Implant Passport not only certifies the authenticity of the products, but also offers an advanced system for personalised patient monitoring. Each Passport is linked to a unique code, which allows professionals to access a dedicated online interface. Here, the patient's clinical and treatment information can be recorded and updated in real time, allowing for accurate monitoring of their path of care. This not only optimises treatment management, but also ensures greater transparency and patient involvement in their own well-being.

Safety and Reliability

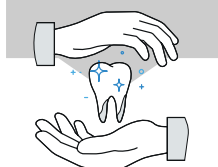
With the BIOSAFIN WINSIX Implant Passport, safety and reliability are guaranteed at every stage of the prosthetic journey. The adoption of the latest technologies and safety protocols allows us to offer professionals and patients maximum peace of mind in the use of BIOSAFIN implants and prosthetic accessories. Rely on the WINSIX Implant Passport for safe and personalised management of prosthetic treatments, with the certainty of always having accurate and reliable information available.



CAD/CAM PROSTHETICS



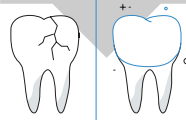
Services Offered



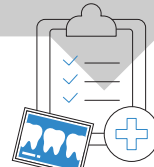
Dedicated solutions for digitalised and non-digitalised Laboratories



Guaranteed use of precise characteristics and original connections



Design and construction of single and/or multiple personalised structures for Winsix implants.



Study of solutions most suitable for achieving functional and aesthetic improvements



Dedicated customer service



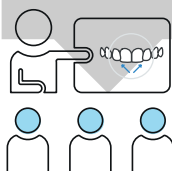
Quick delivery times



Prosthetic passport and authenticity stickers



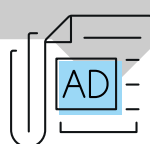
100% Internal Production Guarantee



Specific Training Courses



Winsix Libraries for the design and production of prosthetic solutions for bonding on original Winsix components



Information Material



100% ITALIAN domestic and industrial production

With the support of scientific evidence, **BIOSAFIN** has always recognised how fundamentally important it is for a clinician to use **prosthetic components with an ORIGINAL connection**.

To meet the increasingly widespread need to be able to use prosthetic components created specifically for a given patient, the **BIOSAFIN CREA Digital Centre** offers the design and production service of single or multiple customised structures of various kinds, always Guaranteeing the **ORIGINAL** connection.

In fact, the BIOSAFIN CREA Digital Centre is the **only digital centre in the world** able to process, produce and provide personalised intermediate prosthetic structures executed with the truly precise **WINSIX** characteristics, who is also the sole owner.

For this reason, the CREA Digital Centre is reserved for the exclusive use of Winsix users.

The extensive experience and the choice to use different **CAD-CAM** technologies, allow the CREA Digital Centre to be able to use different types of prosthetic solutions to fully meet the needs of dentists or dental technicians.

A customised structure built at the CREA Digital Centre offers different advantages such as:

- **Better emergence profile of the dental elements**
- **Improved aesthetics due to the precision of the anatomical profile**
- **Personalised design of the mesostructure profile**
- **Better peri-implant hygiene**

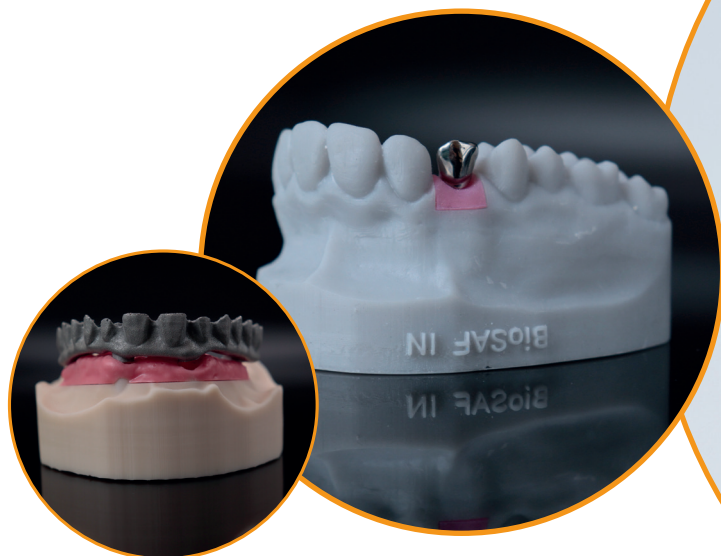
CREA CAD-CAM SERVICES FOR PROSTHESES They are accessible to both digitalised and non-digitalised laboratories.

CAD-CAM Libraries

You can directly download the **WINSIX CAD** libraries for **3Shape**, **Dental Wings** or **Exocad** and compatible software systems, by directly accessing from the website: <https://www.biosafin.com/centro-digitale> **CREA**

If you would like information about the **CAD-CAM Prostheses**, please contact us by email at:

crea.custom@biosafin.com



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CREA Prosthetic Passport





The BIOSAFIN Prosthetic Passport: Authenticity and Quality Guarantee

With BIOSAFIN's CREA digital centre, the personalisation of prostheses becomes a unique and safe experience. Every single custom-made prosthetic structure is accompanied by our exclusive Prosthetic Passport, a document that certifies the originality of the WINSIX connection and the quality of the product.

It is much more than just a certificate. **It is the key to a personal verification of the authenticity of the personalised prosthetic structures**, constructed with care and precision in our digital centre.

The extra guarantee is represented by the gold and silver colour stickers which, together with the production batch, allow for demonstrating to patients the use of only original WINSIX components.

Rely on BIOSAFIN for your personalised prosthetic needs and discover the added value of our Prosthetic Passport: the certainty of an authentic, high quality product made with passion.



BIOSAFIN srl
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For guided surgery:

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For Bialigner:

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BIOSAF IN is a Certified Company:

ISO 9001, which certifies the entire work process at 360° certifying compliance with the quality standards considered optimal, for the protection of product Users - Professionals - and the end user - the Patient.

ISO 13485 specifically relevant to the quality of Medical Devices.

