Product brochure

Nobel Biocare™

Nobel Biocare

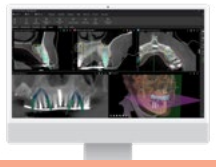
DIGITAL solutions

Pioneers in CAD/CAM, leading the digital revolution

Master the workflow. Personalize the journey. Unlock the possibilities.



Step 1
Data collection



Step 2
Treatment planning



Step 3
Surgical execution

4 DEXIS™ Imprevo intraoral scanner

6 DEXIS™ IS 3800W intraoral scanner

8 3Shape® TRIOS 6 wireless intraoral scanner

10 DTX Studio™ Clinic

12 DTX Studio™ Clinic

14 An open workflow designed for your preferred surgical approach

16 X-Guide® 3D dynamic navigation

20 IconiX AI software

Transforming dentistry through digital innovation

At Nobel Biocare, we are committed to advancing dental care through cutting-edge digital workflows. From data collection to final restoration with Procera™, our integrated solutions empower clinicians with precision, efficiency, and confidence. By combining pioneering technologies with seamless connectivity, we help deliver predictable outcomes and elevate the patient experience – every step of the way.

56 Own the zone

58 All-on-4® digital workflow

60 Empowering excellence in dental education







Step 4
Post-surgical impression

22 FastMap® navigated photogrammetry with X-Guide®

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Step 5
Immediate loading

32 SprintRay chairside Midas

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Step 6
Digital records & final restoration

40 Procera™ centralized manufacturing

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46 Procera™ abutments

48 Procera™ Implant bars

52 Procera™ Esthetic Zirconia Implant Bridge

DEXIS™ Imprevo intraoral scanner

Elevate scanning. Confidence with rapid, accurate reliable scans.



The new patent-pending DEXIS™ Imprevo scanning technology leverages parallel processing for efficient data handling. With enhanced graphics and advanced AI algorithms, this combination results in faster and more detailed dental scans, ultimately improving patient care and satisfaction.

More speed*

Faster scanning speed, less matching warning. Capture speed x2 with CPU-based to GPU-based algorithm.

More performance

Larger depth of field (DoF) without field of view (FOV) decrease with a better mesh quality, more details.

Size and convenience

Slimmer than IS 3800 (handpiece 15% slimmer, tip 12% smaller without FOV decrease).

*Patent application submitted Feb 2025. Comparison based on previous DEXIS™ intraoral scanners. Under approval. Some products may not be regulatory cleared, released or licensed for sale in all markets for all products.

Increased depth of field (DOF)

Depth of Field at 25 mm (-2 to +23 mm) simplifies the scanning of deeper preparations and interdental spaces.

LED status ring

Provides a quick visual indication of the scanner's status and scanning progress.

Enhanced image realism

A white LED improves color rendering for more realistic scan images. The integrated laser enhances performance on reflective surfaces.

Super-fast scanning

Accelerates the scanning process, reducing chair time and improving patient comfort.

Magnetic battery attachment

Enables quick and easy battery installation and replacement.



Autoclavable universal tip

A smaller* tip design streamlines the scanning workflow and enhances accessibility.

GeniusControl

Enables remote control of the on-screen scanning menu, minimizing the need to touch the computer and reducing the risk of cross-contamination.

Contactless inductive charging

Enables reliable and convenient charging without the need to remove the battery.

20% slimmer design than IS 3800 family



Dr. Carlo Massimo Saratti
Switzerland

"The scanner immediately conveys a sense of solidity and confidence, while maintaining excellent handling. The evolution of the accompanying software makes the entire scanning experience smoother and more pleasant – both for the clinician and the patient. The increased depth of field is remarkable, allowing for broader scanning in significantly tighter spaces."

MORE INFORMATION

*Compared to previous DEXIS intraoral scanners

DEXIS™ IS 3800W intraoral scanner

Put world-class scanning functions in your hands.



True wireless freedom for flexible clinical use

Delivers up to one hour of scanning, while smart charging and backup options keep the scanner ready to use.

Enhance patient engagement at the chairside

The optional All-in-One Computer and ergonomic DEXIS IS Voyager trolley enable easy chairside scanning and boost patient engagement.

Flexible digital workflow

The scanner integrates seamlessly with workflows for restorations, implants, orthodontics, dentures, allowing practices to scale digital services without switching tools.

*Internal testing completed on a 3D model using recommended PC configuration.

Fast-scanning
Ultra-fast scans: Scan an entire arch in as few as 25 seconds*

Extended capabilties
One hour of scan time on a single charge

Interchangeable tips
Can be autoclaved up to 110 times, reducing consumable costs and ensuring proper sterilization

Broader, deeper field or capture
Field of view of 16 mm x 14 mm and a depth of field ranging from -2 to +16 mm



Applications and workflows



Implant workflow



Restorative workflow



Orthodontic workflow

DTX STUDIO Compatible with DTX Studio™ Suite

SPARK™ CLEAR ALIGNER SYSTEM



Dr. Robert Pauley
United States

"We've used the new full-arch Implant workflow for 5 cases so far, with fantastic results for each one. It's very easy to take the common scan with the provisional in place, remove and scan the provisional and then obtain a final scan of the soft tissue with scan bodies. So far, we've delivered 2 final prostheses and tried in 3 prototypes and I'm excited to say that each have fit passively with ideal occlusion, which really speaks to the accuracy of the data."

MORE INFORMATION

*Internal testing completed on a 3D model

3Shape® TRIOS 6 wireless intraoral scanner



A new era in digital dentistry has begun: TRIOS 6 working together with TRIOS Dx Plus brings an outstanding revolution of hardware and software to redefine your patients' experience with AI assistive diagnostics.

Redefined scan quality

Up to 110% higher scan resolution* for unmatched geometry and color detail.

Redefined diagnostics

NEW Dx Plus AI-assisted aid for objective, consistent results for caries, tooth wear, gingival recession, and plaque.

Redefined patient communication

Empower your dental health journey – inside and outside the clinic – with the NEW Dental Health app.

*Internal testing completed on a 3D model using recommended PC configuration. Some products may not be regulatory cleared, released or licensed for sale in all markets.

Redefining diagnostics

Inspect, detect, and compare changes over time:

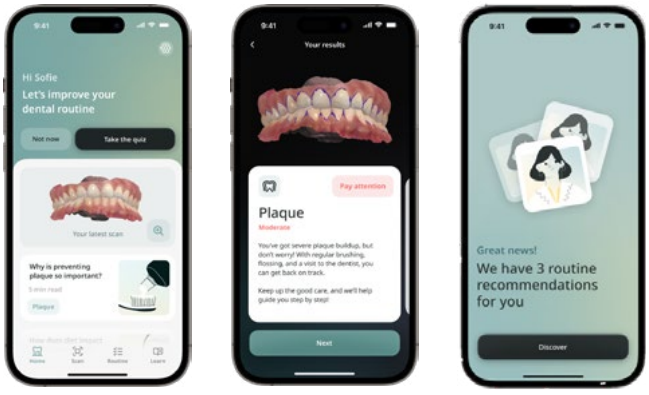
- Inspect objectively. With AI models, it assists in identify surface caries, tooth wear, gingival recession and plaque reliably.
- Detect severity. It enables you to read the suggested severity of its progression.
- Compare changes. Following your patient with scans over time, identify changes, and have the documentation done automatically.



Redefining communication

Empower patients to co-own their dental health, in-clinic and at home:

- Overview of patients' dental health situation supported of scans, TRIOS Dx Plus visuals and content from official dental sources.
- Educate people to understand their dental health situation powered by TRIOS Dx Plus visuals.
- Personalized recommendations and actionable insights for patients' dental routine.

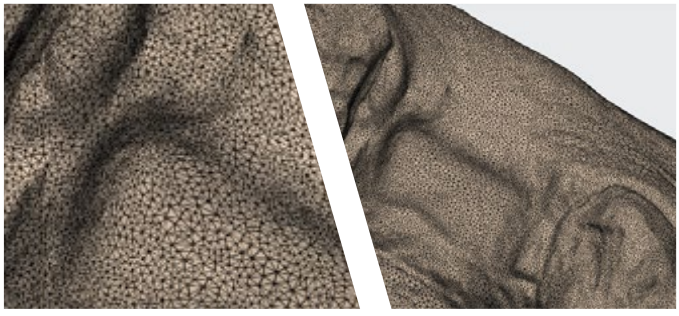


Redefining scan quality

Redefine diagnostics with AI assistive aid for objective, consistent results.

TRIOS 6 introduces HD scanning and greater level of detail for any workflow choice.

Up to 110% higher resolution and lifelike scans support you in achieving excellent restoration fit.



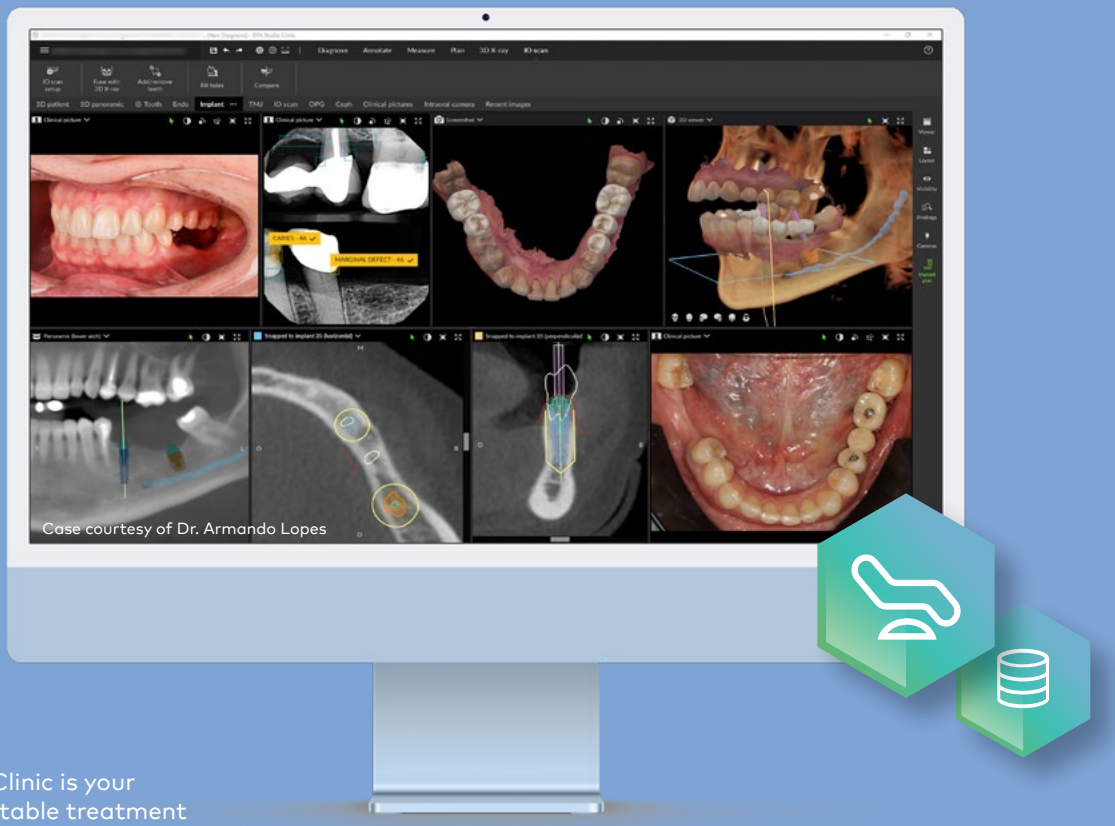
Comparing TRIOS 5 status scan

Comparing TRIOS 6 status scan

MORE INFORMATION

DTX Studio™ Clinic

Predictable, simple, efficient.



DTX Studio™ Clinic is your path to predictable treatment outcomes. Diagnose, engage patients, and collaborate with your dental lab or other dentists.

Available for

Increase productivity

Store and access all patient images in one place, enabling chairside diagnostics and planning with Assisted Intelligence. Less time switching systems – more time delivering care.

Enhance clinical confidence

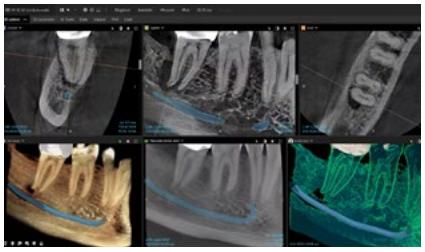
Begin with a comprehensive view to support diagnosis and plan implants based on anatomy and prosthetic needs.

Engage with your patients

Engage and educate your patients with powerful visuals and easily share data with labs and treatment partners.

*Compared to previous versions of DTX Studio™ Clinic software with implant planning functionality for one implant.

Key features



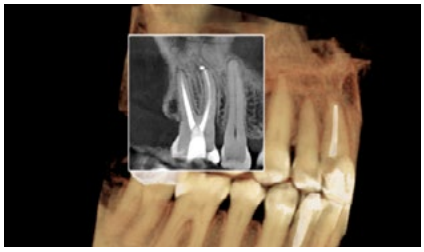
Mandibular nerve tracing

Streamline pre-op planning with AI-assisted nerve canal mapping – giving you clarity where it matters most.



SmartFocus™

Effortlessly browse across data sets using tooth positions as your reference – no matter the device or session.



QuickInspect

Quickly navigate the 3D scan from any angle while tracking anatomical location in real time.



SmartFusion™

Directly combine open surface models from all intraoral and desktop scanners with any CBCT scan using proprietary voxel-based algorithms.



SmartSetup™

AI powered, fully automatic and virtual tooth setup proposal for instant review, implant planning and patient communication.

Powered by



Dr. Ann Wei DDS.
United States

"DTX Studio™ Clinic helps me work more efficiently. The software organizes all my 2D and 3D patient images, and with its AI capabilities, I can quickly retrieve all images related to the specific tooth in question and present the treatment options clearly. My patients often say, 'Oh, I see what I need. Now I understand!' This is the difference DTX Studio™ Clinic makes, for both clinicians and patients."

MORE INFORMATION

*Initial implant position only, for one implant, might require refinement of diameter, length, and position of the implant.

DTX Studio™ Clinic

Plan your implant and design your surgical template in less than 90 seconds.*



Powered by

Plan smarter and faster with AI-powered tools that propose biologically respectful, prosthetically driven implant positions. All patient visuals are unified in one platform, enabling seamless chairside planning. Engage patients with clear visuals and treatment simulations that build trust and boost acceptance – all while they're still in the chair.

Scan or import your data

Streamline your clinic workflows with all your patient images in one place.

Plan and swiftly proceed to the surgery

Seamlessly move from planning to surgery with X-Guide® 3D navigation, a locally produced surgical template, or a NobelGuide® template from our central facility.

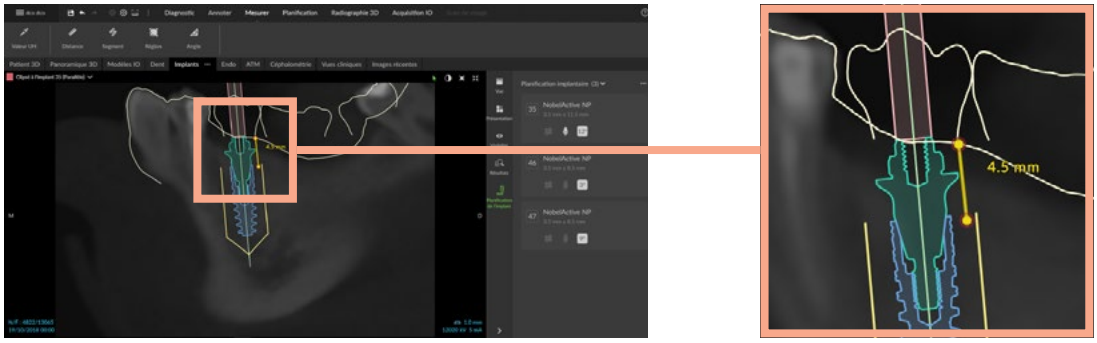
Diagnose and educate

Engage your patients, visualize diagnostic findings, explain treatment options, and illustrate the potential esthetic outcome while the patient is still in the chair.

*Initial implant position only, for one implant, might require refinement of diameter, length and position of the implant.

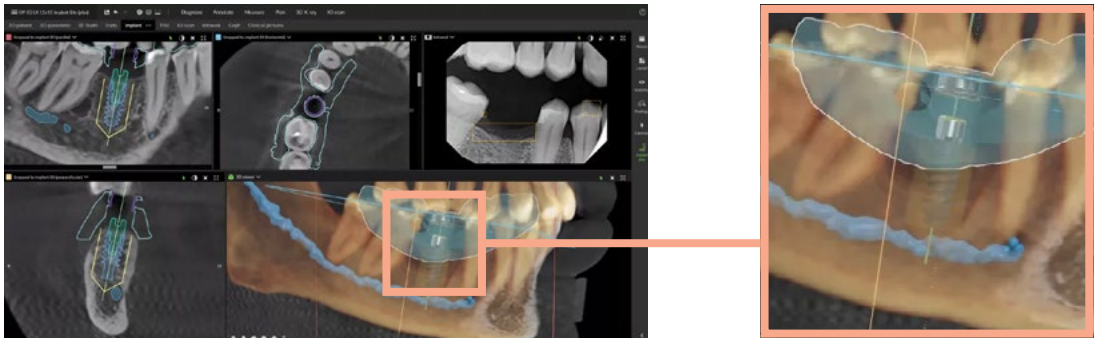
Inspired by nature, designed to respect biology. All in less than 90 seconds

Assisted Implant planning*



Start with image acquisition and AI- assisted scene setup. Use Assisted Implant planning to position the implant respecting anatomical structures and biological width, for optimal clinical outcomes.

Automatic surgical guide design



Automatically generate your surgical guide assisted by AI-assisted intelligence – that can be exported locally for production. Create and customize it by adding inspection windows, name labels, and thickness.



Dr. Bogdan Dicu
France

"DTX Studio™ Clinic boosts my productivity across all my implant rehabilitation workflows with navigated surgeries – even in complex cases. Beyond speed, it offers a unique, integrated view that's often life-changing for both me and my patients, especially in full-arch esthetic treatments. What truly sets it apart is the Assisted implant planning feature: by leveraging the biological width principle, it intelligently guides implant positioning for optimal clinical outcomes."

MORE INFORMATION

An open workflow designed for your preferred surgical approach

Whether freehand or 3D navigated – Nobel Biocare has your workflow covered.

Freehand surgery



Static surgery



Navigated surgery



Empower your freehand surgeries

with the precision of Nobel Biocare implants – backed by science, proven by experience.

Plan and swiftly proceed to the surgery

Plan and place dental implants with high accuracy and precision.

Same-day navigated surgery

Easily export your plan from DTX Studio™ Clinic to X-Guide® 3D navigation.

Guided surgery

Plan and place dental implants with high accuracy and precision with guided surgery tools from Nobel Biocare. Whether it's a NobelGuide® template that simply fits, or you are looking to locally print surgical guides and templates, we have a solution for you.



Pilot drill & surgical guide

Simple setup for pilot drilling

NobelGuide®: Get your surgical templates with peace of mind

As Procera™ we produce your fully- or pilot guided surgical template centrally and ship it to you.

Surgical guide

for fully-guided implant insertion



MORE INFORMATION

X-Guide® 3D dynamic navigation

Make same-day teeth a reality for more patients.



450,000+
implants navigated

The X-Guide® NXT is powering the future of navigation.

DTX STUDIO Compatible with DTX Studio™ Suite

High accuracy

The X-Guide® system will use the X-Mark™ technology to quickly match the points together to enable live navigated surgery – with accuracy and ease.

High flexibility

The benefits of guided surgery without the need of surgical templates. Be free to adapt and modify your treatment plan at any time.

Same-day teeth

Provisionalize All-on-4® treatment concept or full-arch cases in just half a day.

*Data on file with 3rd party legal manufacturer

Good ergonomics

52% smaller navigation assembly*, with low-profile design featuring high-definition cameras.

Higher* resolution cameras

deliver impressive high-quality, crisp images. 64% more pixels, processing up to 30% faster.



Seamless workflow integration

Connectivity with DTX Studio™ Clinic software.

More powerful performance

A powerhouse in your office, delivering the fastest surgical navigation yet*. 2x CPU cores and 2.5x GPU cores delivering accelerated graphics.

*Compared with conventional X-Guide®

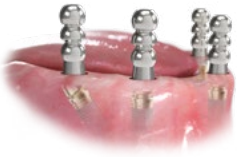
Indications with X-Guide®



Single and multiple units



Full-arch rehabilitations



FastMap® navigated photogrammetry



Endo access



Zygoma rehabilitation case*



Dr. Renaud Noharet
France

"Using navigation technology has been a gamechanger for our surgical procedures. It provides real-time assistance during implant placement ensuring precision and safety. Moreover, it streamlines the immediate loading phase, allowing patients to receive temporary prosthetics faster."

MORE INFORMATION

*Some applications may not be regulatory cleared, released or licensed for sale in all markets.

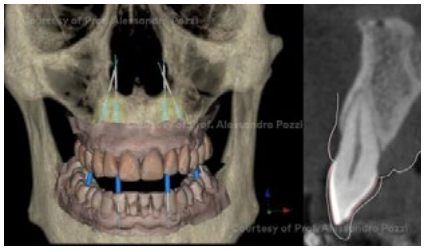
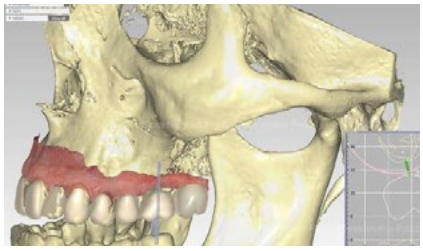
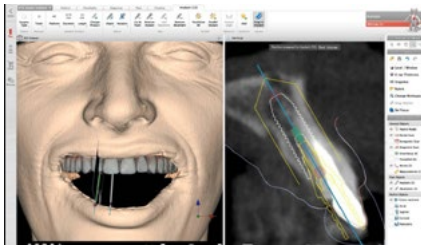
Clinical case: Full-arch immediate loading in the maxilla and single molar in the mandible – Prof. Alessandro Pozzi, Italy

Initial situation

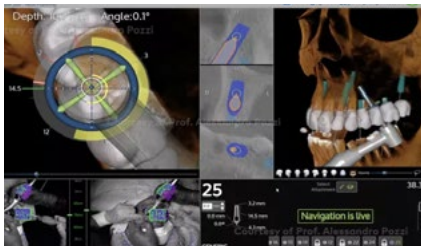




Data collection and treatment planning

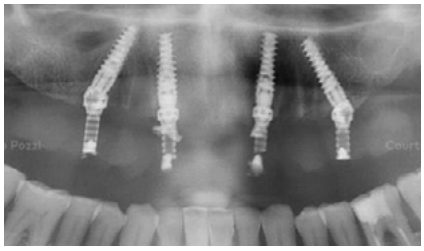




Surgical procedure






Immediate loading

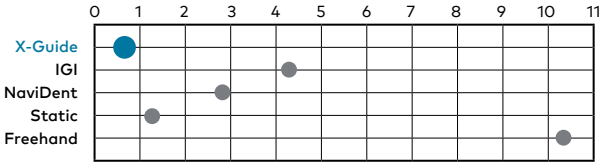




MORE INFORMATION

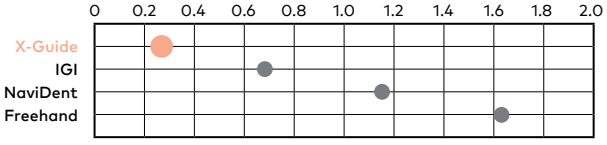
Clinical study: *Accuracy of dynamic navigation for dental implant placement – model-based evaluation

3D angular accuracy



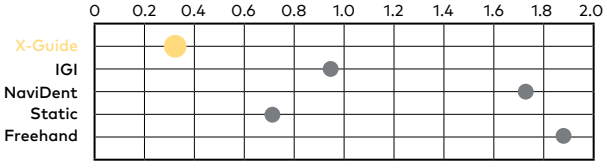
Approx 11x better than freehand

2D lateral positional accuracy



Approx 8x better than freehand

3D positional accuracy



Approx 2x better than static guides

Deviations for implants placed using dentate case type with X-Guide compared with published deviations from modelbased accuracy studies of dynamic and static guides

	Mean	SD	Max	No. of Implants
Angular, °				
X-Guide	0.89	0.35	1.52	22
Robodent[8]	2.12	0.78	3.64	15
IGI[8]	4.21	4.76	2.43	15
NaviDent[12]	2.99	1.68	11.94	80
Static[7]	1.44	3.36	–	80
Freehand[8,17,18]	10.40	5.41	25.30	173
Entry lateral, mm				
X-Guide	0.21	0.11	0.52	22
Robodent[8]	0.35	0.17	0.75	15
IGI[8]	0.65	0.58	2.37	15
C[12]	1.14	0.55	3.64	80
Freehand[8]	1.35	0.56	2.16	15
Apex lateral, mm				
X-Guide	0.22	0.13	0.47	22
Robodent[8]	0.47	0.18	0.72	15
IGI[8]	0.68	0.31	1.22	15
NaviDent[12]	1.18	0.56	3.19	80
Freehand[8]	1.62	0.68	2.68	15
Apex lateral, mm				
X-Guide	0.37	0.21	0.92	22
Static[7]	0.36	0.57	–	74
Apex global, mm				
X-Guide	0.38	0.21	1.01	22
Robodent[8]	0.60	0.20	0.92	15
IGI[8]	0.94	0.40	1.88	15
NaviDent[12]	1.71	0.61	3.92	80
Static[7]	0.73	2.02	–	64
Freehand[8]	1.89	0.8	2.95	15

Key findings

3D angular accuracy*
11x
more accurate

2D lateral positional accuracy*
8x
more accurate

3D positional accuracy*
5x
more accurace

MORE INFORMATION

*Accuracy of Dynamic Navigation for Dental Implant Placement–Model-Based Evaluation. Emery RW, Merritt SA, Lank K, Gibbs, JD. Accuracy of Dynamic Navigation for Dental Implant Placement – Model Based Evaluation. J Oral Implantology 6 juin 2016.

IconiX AI software

AI-Powered acceleration for your navigated implant surgeries



More precision

IconiX* AI allows each individual segmented object to be inserted into the scene immediately after it is processed.

More efficiency

Simultaneous alignment of the intraoral scan to the CBCT, if the intraoral scan is imported to the X-Guide®.

Less clicks, more speed

Enables instant registration and refinement on teeth and bone by enhancing surface definition for each anatomical segment.

*IconiX may not be compatible with all X-Guide® hardware configurations

Key features*

IconiX AI software is designed to provide automatic, AI-powered set up and segmentation of anatomy:

- Auto pan curve (OPG visualization)
- Auto nerve (mandibular nerves)
- Auto STL alignment (IOS to CBCT)
- Auto segmentation of sinuses
- Tooth, bone, and soft tissue

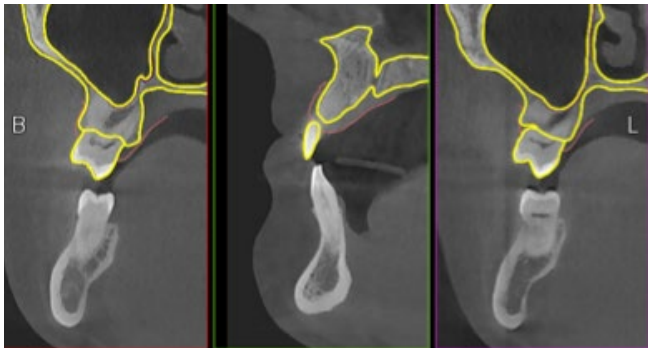




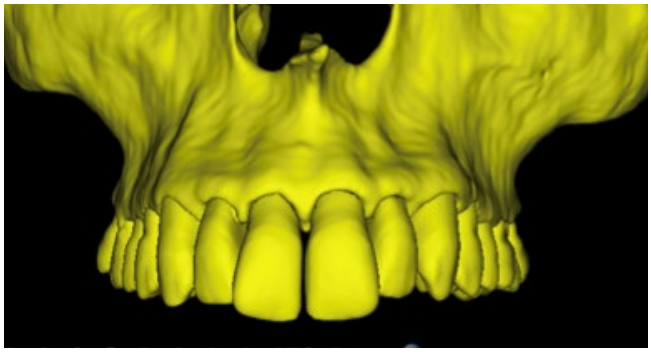
CBCT before segmentation



CBCT after segmentation using IconiX AI



Bone segmentation

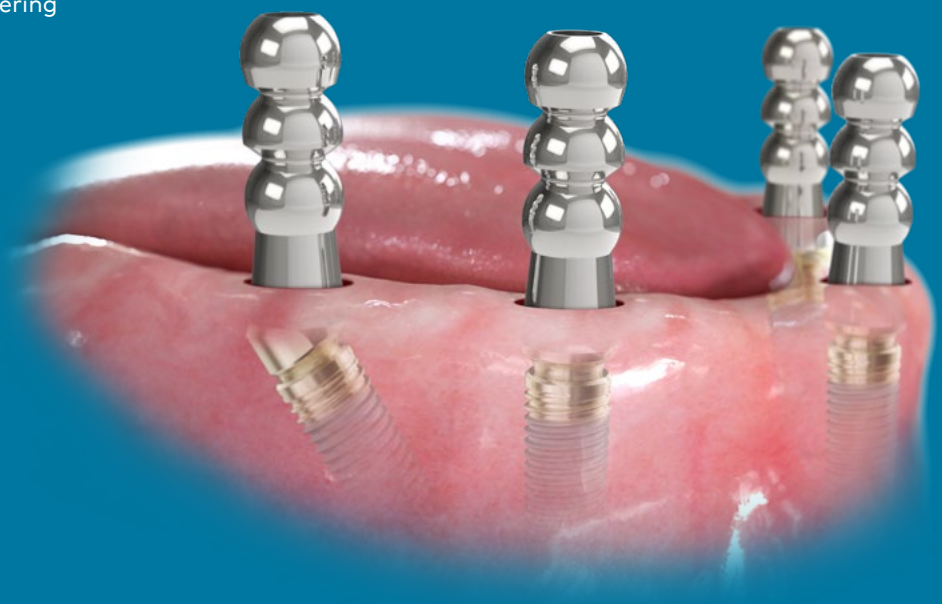


Simplifies X-Mark™ patient registration (on teeth and bone)

FastMap® navigated photogrammetry with X-Guide®

FastMap® precision: Accurate abutment mapping made effortless for predictable restorative outcomes

Fastmap captures scan bodies and patient tracking in one step – delivering aligned datasets that simplify lab communication, reduce chair time, and enhance clinical consistency.



Predictable, conversion-free provisionals

Allows for the creation of a conversion-less, CAD/CAM-produced, passive-fit provisional directly onto Multi-unit Abutments.

Efficiency

First dental system for navigated surgery and photogrammetry. All-in-one device means no separate equipment.

Meet the precision of Procera™

FastMap® photogrammetry software is validated by Procera™ manufacturing for high precision and high accuracy requirements necessary for passive fitting final restoratation.

Navigate beyond surgery with FastMap® photogrammetry

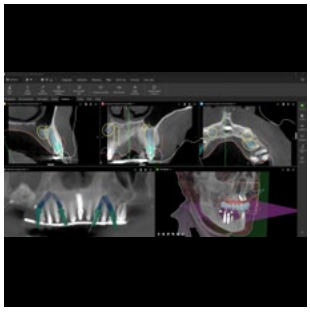
With FastMap®, you can accurately map the Multi-unti Abutment position and automatically register your 3D plan with the corresponding anatomy – all directly within X-Guide®.



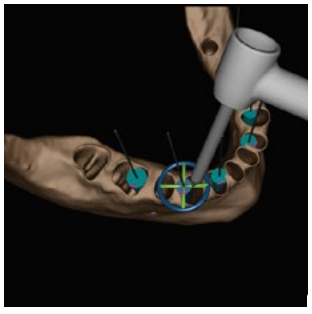
FastMap® scan bodies

- Compatible with ELOS driver and with Nobel Biocare NP/RP and WP Multi-unit Abutments
- Precision milled, high gloss mirror finish and specially coated titanium
- Tested for 100 cycles in the autoclave

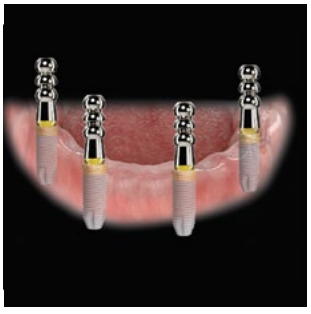
Workflow



Treatment planning



Navigated surgery with X-Guide®



FastMap® navigated photogrammetry extraoral scan



Temporary seated without interfaces

STEP 4
Post-surgical impression



Dr. Navneet Arora
United States

"Digitizing our full-arch workflow has significantly streamlined the in-office All-on-4® treatment concept procedure by reducing the number of patient visits, eliminating the need for denture conversion through in-office 3D printing, and minimizing redundant clinical and laboratory steps."

MORE INFORMATION

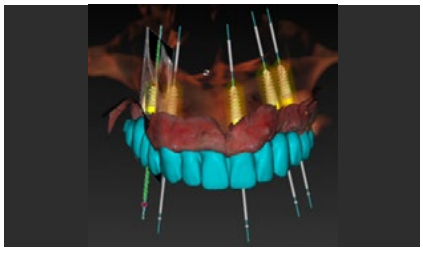
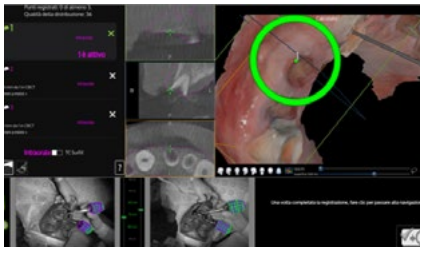
Clinical case: Full-arch restoration with immediate loading using FastMap® navigated photogrammetry – Dr. Alberto Pitino, Italy

Initial situation





Data collection and treatment planning


Surgical execution & immediate loading







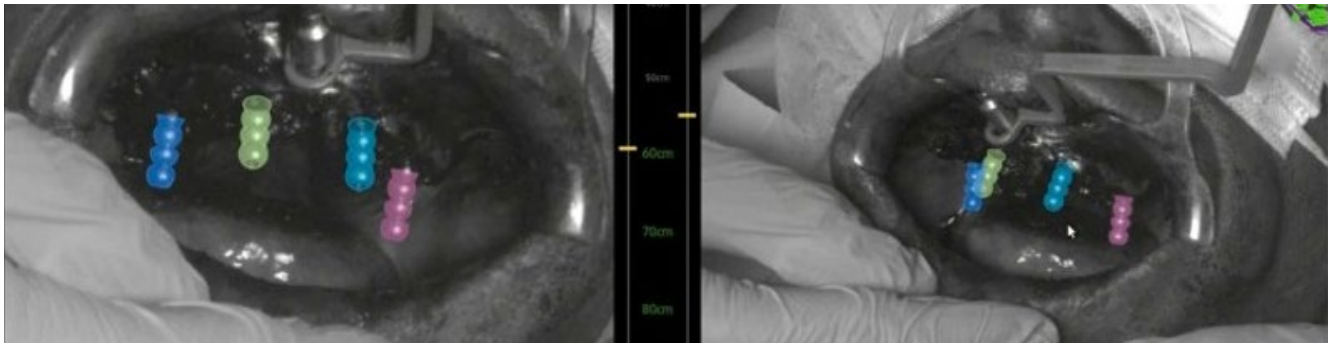
Dr. Alberto Pitino
Italy

"FastMap® navigated photogrammetry has enabled me to offer best of both worlds to my patients: accuracy in my surgical executions, and predictability for temporary productions post-surgery, significantly enhancing my treatments for full-arch rehabilitation cases."

MORE INFORMATION

THE JOURNAL OF PROSTHETIC DENTISTRY

Clinical study: Image-guided photogrammetry accuracy: In vitro evaluation of an implant-supported complete arch digital scanning technology.











Alessandro Pozzi DDS, PhD, Lorenzo Arcuri DDS, PhD, Andrea Laureti DDS, MSc,Paolo Carosi DDS, MSc, PhD d, German Gallucci DDS, PhD, Jimmy Londono DDS

Observations

Image-guided photogrammetry (IGP) was feasible for complete arch digital impression.

Precision beyond convention

Lower deviations than conventional photogrammetry systems. Linear deviations close to 0 µm and angular deviations about 0.4 degrees.

Feasibility of IGP for full-arch digital impressions

IGP and its AI-driven digital workflow streamline complete arch scanning and immediate loading, automatically combining preoperative digital data set with recorded implant coordinates.

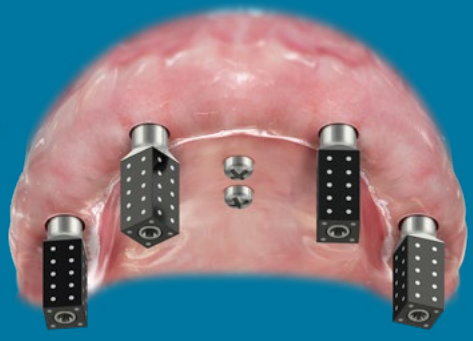
MORE INFORMATION

ICam photogrammetry

Achieve accurate screw-retained provisional and final restorations, increasing predictability and minimizing reworks.



Greater accuracy, less chair-time, and fewer visits*



Patient experience

Less invasive scanning protocol. Handheld device scans extraorally.

Predictability

Ensure predictable results with high degree of accuracy, precision and trueness.

Efficiency

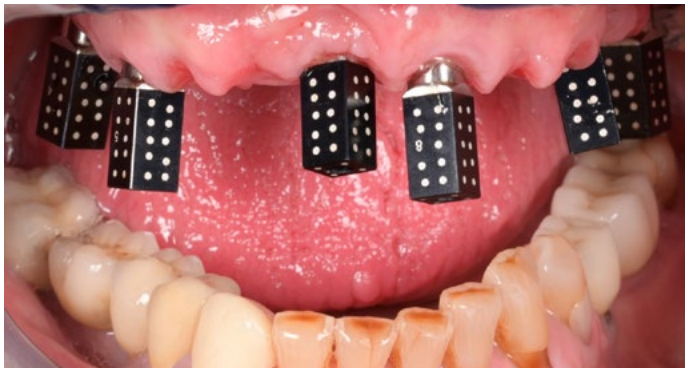
Eliminates try-in, in-between steps, and standardize scanning steps.

*Using photogrammetry, time savings based on limited market survey.
Some products may not be regulatory cleared, released or licensed for sale in all markets.



No operator dependency

Better than 5 microns – as measured by the spatial and angle fit testing methodologies used in a recent Harvard study*.



Case courtesy of Dr. Renaud Noharet

Faster

Four moving cameras offer multi-view bundle that provides fast capture also in complex cases rehabilitations (crowded implants, zygoma implants).



ICam Bodies

ICamBodies

High-precision titanium scan bodies with a unique, proprietary target arrangement, essential for determining the exact position and orientation of implants.

*Data on file with Imetric. A cross-over clinical study on the precision of digital intraoral scanning versus photogrammetry for implant rehabilitation of completely edentulous patients. W. Negreiros , T. Sun, S. Jain, M. Finkelman, G. Gallucci, A. Hamilton.



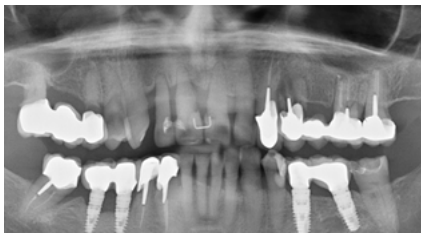
Dr. Renaud Noharet
France

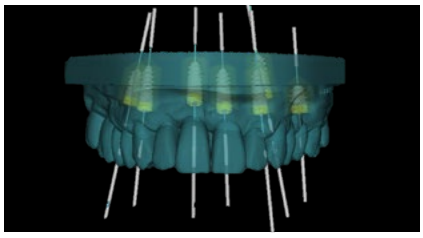
"Nobel Biocare's digital solutions greatly enhance the precision and predictability of full-arch treatments. Advanced tools like the ICam device elevate the patient experience through their efficiency and dependable performance."

MORE INFORMATION

Clinical case: Full-arch restoration with immediate loading using Nobel Biocare's 100% fully digital workflow and ICam photogrammetry – Dr. Renaud Noharet

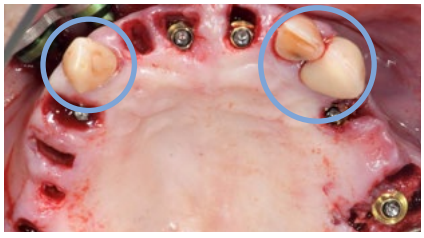
Initial situation, data collection and treatment planning



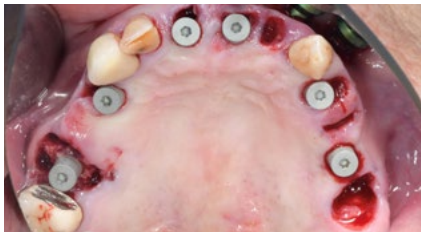
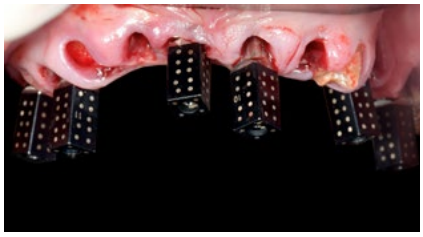
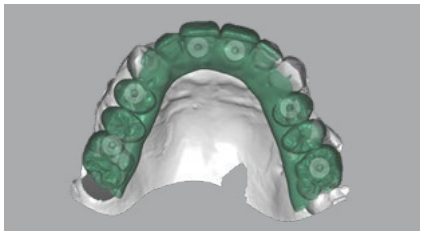


Surgical execution with X-Guide® 3D navigation



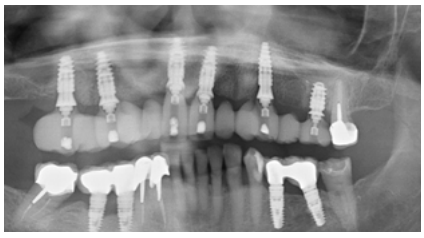


Post-surgical impression using ICam and DEXIS™ IOS, then waxup adaptation in the lab

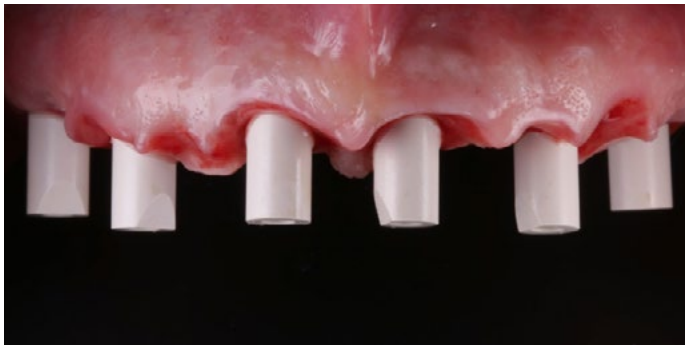
Immediate loading, using SprintRay Pro 2 and OnX Tough 2 resin

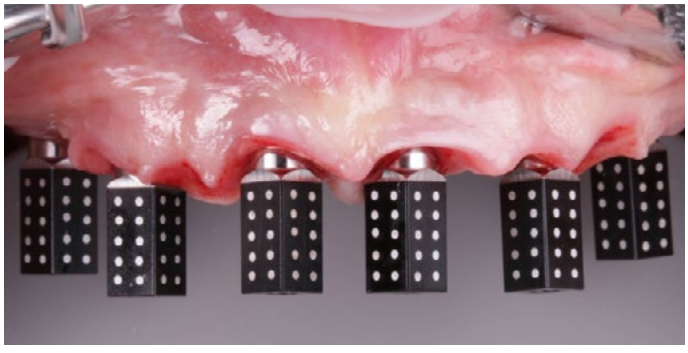




MORE INFORMATION

Clinical study: A cross over clinical study on the precision of digital intraoral scanning versus photogrammetry for implant rehabilitation of completely edentulous patients







W. Negreiros , T. Sun, S. Jain, M. Finkelman, G. Gallucci, A. Hamilton

Key findings*

- Photogrammetry demonstrated higher precision compared to intraoral scanning.
- When evaluating mean and maximum deviations, only photogrammetry demonstrated clinically acceptable precision.
- Maxillary scans are associated with better precision, however, statistical significance was only found in the intraoral scanning group.
- Precision was negatively affected as the arch perimeter increased, regardless of the device used.

MORE INFORMATION

*Reference to precision of complete-arch digital implant scans using photogrammetry and intra-oral scanning. An in vivo cross-over study: Complete-Arch Implant Scans: Photogrammetry vs IOS. William Matthew Negreiros, Teresa Chanting Sun, Shruti Jain, Matthew Finkelman, German O. Gallucci, Adam Hamilton

PoLo Scan Bodies

Developed and designed to enhance scanning capabilities for partial and full-arch restorations.



Coming soon

Designed for ease of use

A more compact*, site-friendly solution with a taller scan body for optimal performance in the surgical site.

Flexible by design

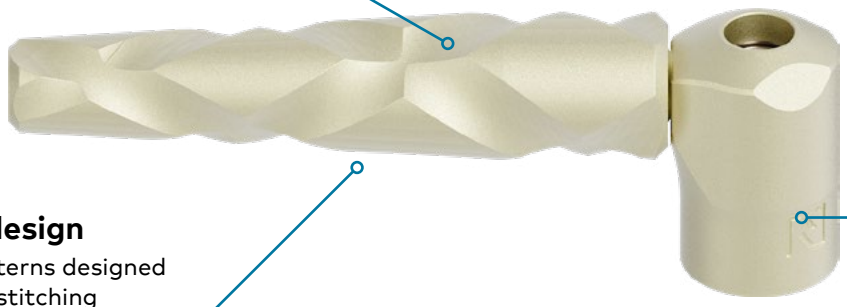
Produce in-house, collaborate with your lab, or outsource seamlessly to Procera™.

Cost-effective

Entry point to full-arch restorations powered by Nobel Biocare's digital workflow.

*Compared with NEXUS scan bodies

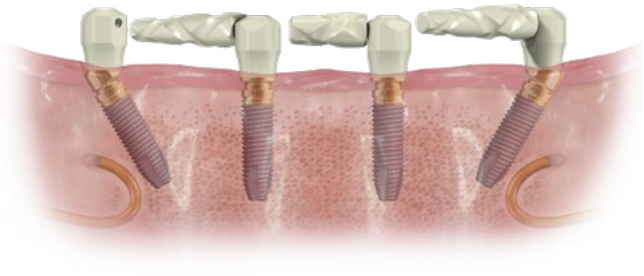
Links
Can separately mount links and easily adjust with different lengths



Vertical locators
2 different heights

Pattern design
Specific patterns designed to optimize stitching

Intraoral PoLo Scan Bodies



PoLo Scan Bodies mounted on Multi-unit Abutments

Extroral reverse PoLo Scan Bodies



PoLo Reverse Scan Bodies ideal for extraoral scan or with lab scanners



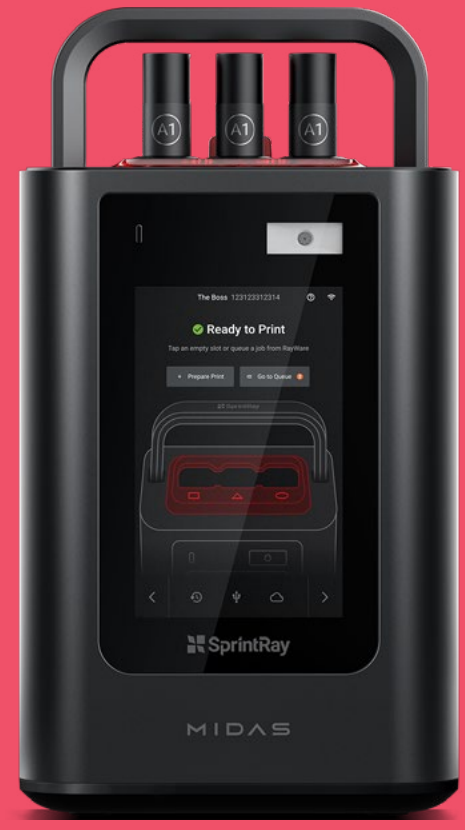
Dr. Tristan Staas
The Netherlands

"In my practice, I use PoLo Scan Bodies for partial and full-arch rehabilitation cases to maximize efficiency while maintaining a high standard of patient care. These scan bodies streamline post-surgical scan protocols, allowing my team and me to deliver printed or milled provisionals within two hours after surgery."

MORE INFORMATION

SprintRay chairside Midas

Meet the new king of chairside.



The most revolutionary 3D printing tech ever to reach dentistry

Capsule



Crown



Maximize productivity

Digital Press Stereolithography (DPS) lets you 3D print highly-filled composite restorations in minutes.

Deliver same-visit crowns

Design, print, and post-cure a definitive crown in less than 30 minutes.

Ideal for any practice size

Midas and NanoCure deliver a compact, efficient solution – taking up less space than standard milling machines.

Digital press stereolithography

Uses patented Digital Press Stereolithography (DPS) to overcome the challenges of printing highly-filled viscous materials.

Future-ready

DPS is the start of a new era of 3D printing, simplifying the workflow and opening the door to a whole new world of biomaterial innovations.



Print in less than 9 minutes

Optimized for space

Midas uses a highly compact design to deliver an incredible size-to-performance ratio.

Medical device tracking

Onboard QR code scanner helps simplify the workflow and provides medical device tracking for expiration dates, lot numbers, and more.





Pr. Eric Rompen and Martin Désiron
Belgium

"The esthetic digital workflow from Nobel Biocare with SprintRay Midas 3D printer makes immediate temporization faster, more efficient, and delivers beautiful esthetic results."

STEP 5 Immediate loading

MORE INFORMATION

One capsule, infinite possibilities. Simplicity unlike any other 3D printer.





Implant crown

Full contour crowns with lifelike aesthetics and mechanicals thanks to extremely high filler content.



Crowns, inlay/onlay

fabricate up to 2 inlays per capsule.



Veneers

Up to 3 incredibly thin, strong veneers per capsule for minimally invasive cosmetics.

Simplified resin handling

Midas capsules come in sets of three, making it easy to stock multiple shades and resin types.

Viscosity agnostic

Midas is immune to resin viscosity, supercharging the future of biomaterial innovation for highly-filled composites.

Resin capsule technology

Simplifies the workflow by eliminating exposed resin, resin tanks, or build platforms.

Scan, place, press. The easiest way to fabricate chairside restorations.



Ceramic Crown available

FDA 510(k) Class II cleared material for 3D printing now available in DPS capsules. Featuring a ceramic-dominant formulation for and print times under ten minutes, Ceramic Crown is your go-to material for restorations.



OnX Tough 2 available

Leverages cutting-edge NanoFusion™ technology, which offers exceptional durability and visual quality. The result is a remarkably lifelike appearance that closely resembles natural enamel.

Workflow



1 Scan

Every Midas capsule is coded with its material type, shade, manufacturing information, and expiration date.



2 Place

Three printing slots on the heated print glass. After scanning, the computer will tell you where to place the cartridge.



3 Press

Midas will start pressing once you've scanned and placed all the capsules for a print job.

- √ **Automatic medical device tracking**
- √ **Resin and shade detection**
- √ **Robust error proofing**
- √ **Print up to 3 capsules at once**
- √ **Capsule placement detection**
- √ **Fully guided workflow**
- √ **Print in less than 9 minutes**
- √ **Mess-free workflow**

STEP 5 Immediate loading

SprintRay Pro 2 3D printer

Throughput meets precision.



Pro 2 is a next-generation dental 3D printer that delivers unprecedented accuracy and throughput

3X
Precision*

Patent-pending 35 µm Optical Panel technology and a 385 nm light engine put Pro 2 at the forefront of 3D printing accuracy.

4x
Throughput*

Print 6+ full-arch dental models per job or use the Arch Kit to double speed. Control your production workflow.

15x
Supported workflows*

from clear aligners to hyper-precise hybrid dentures.

*Compared with SprintRay 55 and 95S

Next-generation dental 3D printer.

Pixel perfect accuracy
The Optical Panel™ technology allows 35 µm resolution with incredible anatomical detail.

Enhanced user experience
Large touchscreen interface with intuitive controls.

Smart connectivity
Seamless integration with SprintRay Cloud and AI-powered software.





Optical panel™

Exceptional throughput
Pro and duo arch kit optimized for small batches and combined restorative applications.

Wide material compatibility
Works with a broad range of SprintRay and third-party resins.

Versatile worflow
15x more flexibility and supported workflows - from clear aligner production to hybrid dentures.



Dr. Didier Delmas
Spain

"The Pro 2 has revolutionized our workflow. Its unmatched speed, precision, and reliability enable us to deliver high-quality dental appliances faster than ever. The versatility offered by its wide range of resins – especially when working with OnX Tough 2 for full-arch restorations – sets it apart. It's a cornerstone of our digital dentistry toolkit: efficient, intuitive, and consistently outstanding."

MORE INFORMATION

STEP 5 Immediate loading

OnX Tough 2 resin

Formulated for optimal performance and shade stability for natural esthetics.



Fixed hybrid dentures

Same-day implant dentures with passive fit.

Nano fusion technology: this cutting-edge process ensures superior distribution of ceramic nanoparticles resulting in tough and resilient printed parts, ideal for demanding applications like fixed hybrids.

Fracture toughness

Describes the ability of a dental material containing a crack to resist fracture.

Sprintray OnX Tough 2

2.9 Mpa m1/2

Milled PMMA

2.37 Mpa m1/2

Competitor 3D printed teeth

1.4 Mpa m1/2

Scientific study

Unprecedented precision

3D printing enables highly complex geometry for screw channels that are perfectly aligned for passive fit.

Lifelike esthetics

Proprietary materials feature outstanding shade stability and aesthetic precision for natural-looking restorations.

Long lasting strength

With industry-leading work of fracture and fracture toughness, these restorations are strong and built to last.

Wide material compatibility

Works with a broad range of SprintRay and third-party resins.



Surgical guides



Hybrid dentures



Ceramic Crown



Night guards



Removable dentures



Wax-up models



Try-in dentures



Models for aligners



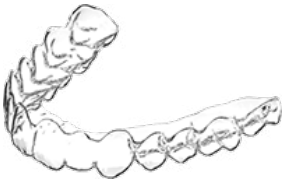
Bonding trays



Gingiva mask



Dental models



Retainers

STEP 5 Immediate loading



Procera™ centralized manufacturing

Achieve excellent results with authentic restorations.

Over 35 years

of CAD/CAM expertise. Choose the restoration that's right for you – and your customers.

High-precision production

Procera™ demonstrates high precision of fit, mechanical stability and provides years of safe and reliable performance.

Manufacturing excellence

Procera™ guarantees a 100% inspection to ensure a passive fit against your digital design. Verification of dimensional tolerances as low as ±5µm.

Warranty you can rely on

As an original prosthetic, the product enables life-time warranty of the implant and comes with a 10 year prosthetic warranty.

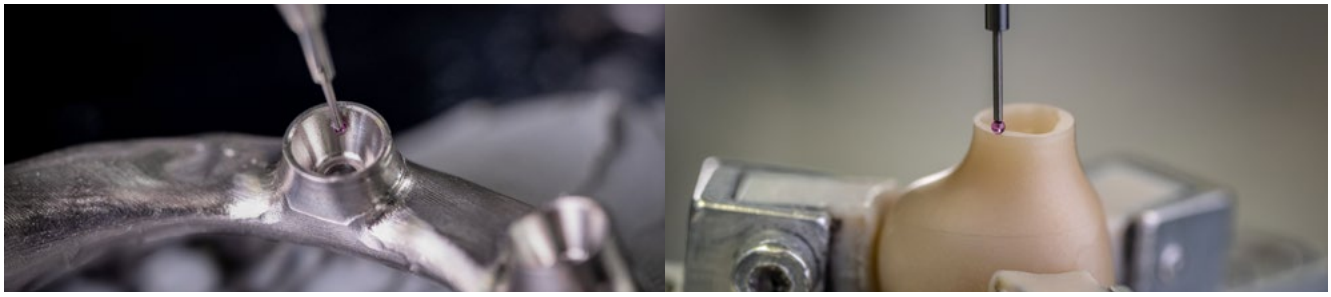
Procera™ centralized manufacturing



Procera™ facility



Milled customized abutments



Systematic industrial quality control



Dr. Andrew J. Bock
DDS, US

"I see a number of advantages to working with Procera™ Implant Bars. One is the accuracy: If I deliver an accurate cast for scanning, I know – without a doubt – that my bar will fit perfectly. Another is the removal of the tedious procedures with cast bars and the resulting deficiencies, i.e. no more cutting, soldering or breaking of welded joints, porosity, etc."

MORE INFORMATION

STEP 6
Digital records and final restoration

Procera™ manufacturing workflow



Choose guaranteed quality

Skip costly issues with production, maintenance, or stock – rely on our production for consistently high-quality, precision-fit products.

Save time, grow faster

Order restorations online with our fully digital process. With broad implant platform support, you get the right components – fast – boosting patient flow and efficiency.

Outsource with ease

Let our experts handle the work and support you every step of the way.

Ask your dental lab for

Procera™ authentic restorations

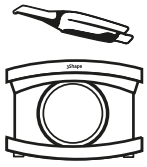
Open Access

Design with your exocad™ Dental CAD software.*



Scan

Design with your 3Shape Dental System™



Scan

Scan & Design

Outsource the design and production process to our experienced lab professionals



No need to invest in expensive hardware

DTX Studio™ Lab

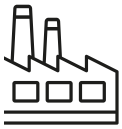
Design with DTX Studio™ Lab



Scan



Design



Procera™ centralized manufacturing

STEP 6
Digital records and final restoration

Procera™ Open Access through exocad™ DentalCAD® software

Design with your exocad™ DentalCAD® software and produce with Procera™ to access precision-manufactured customized restorations.



Comprehensive and user-friendly workflow

exocad™ DentalCAD® offers a wizard and expert-based mode, making it suitable for both beginners and advanced technicians/clinicians.

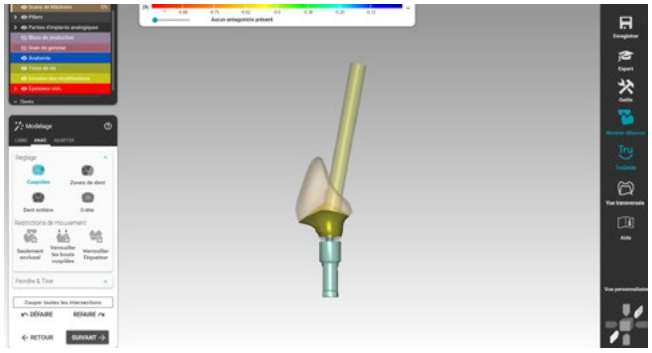
Open architecture

Supports seamless integration with third-party equipment. Its open architecture allows labs to work with a wide range of materials and devices, maximizing return on hardware investments.

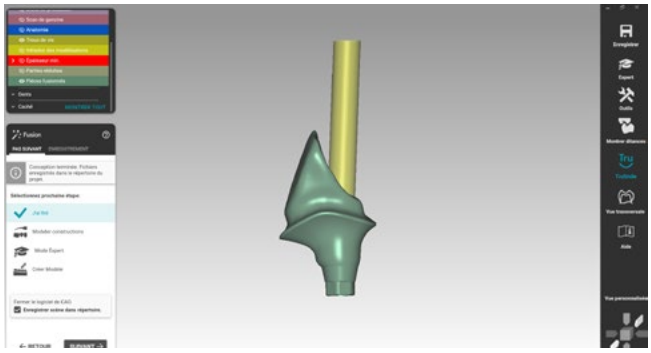
Seamless integration with Procera™'s solutions

exocad™ integrates seamlessly with Procera™ workflows, enabling smooth data exchange and efficient case handling within Nobel Biocare's digital ecosystem.

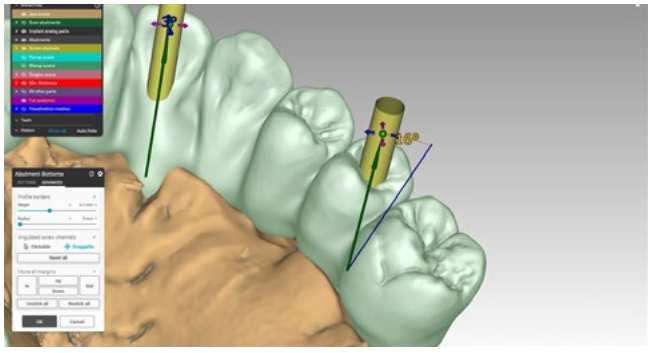
Many possibilities with Procera™ restorations and exocad™ DentalCAD® software.



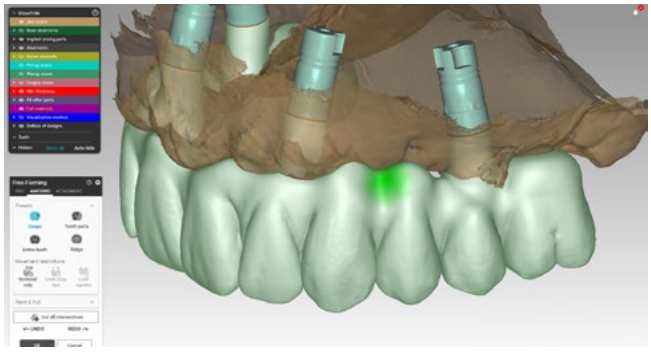
Zirconia Abutment with angulated screw channel function



Titanium Abutment with angulated screw channel function



Full contour Zirconia Implant Bridge



Full contour Zirconia Implant Bridge

Open design workflow for maximum efficiency

1

Input from Procera™ validated IOS or desktop scanners

exocad

2

exocad™ DentalCAD® design software

3

Procera™ centralized manufacturing

MORE INFORMATION

STEP 6
Digital records and final restoration

Procera™ abutments

Custom CAD/CAM esthetic abutments, perfected through 35 years of innovation. Deliver custom esthetic solutions that last.





Angulated screw channel (ASC)

Solve the esthetic challenges faced when screw-retained solutions are placed in the anterior and improve occlusal access in the posterior.

100% cement-free solutions

A complete cement-free solution. Eliminates the risk of excess cement.[1,2]

High mechanical strength

The internal conical connection with hexagonal interlocking helps to ensure the necessary stability of the restoration for a predictable result.

1. Wilson TG, Jr. The positive relationship between excess cement and peri-implant disease: a prospective clinical endoscopic study. J Periodontol 2009;80(9):1388-1392. Link
2. Slagter KW, den Hartog L, Bakker NA, et al. Immediate placement of dental implants in the esthetic zone: a systematic review and pooled analysis. J Periodontol 2014;85(7):e241-250. Read on PubMed

Excellent prosthetic survival and low complication rate with 463 CAD/CAM Procera™ abutments

Clinical relevance

High survival
98.1% prosthetic survival rate at up to 6.4 years.

Few complications
1.5% technical complications repaired intraorally or after temporary removal.

High satisfaction
Patients and clinicians were highly satisfied with the restoration.

The results

- 463 individualized Procera™ abutments with 4 different designs: 98.1 % prosthetic survival rate and only 1.5% technical complications after up to 6.4-year follow-up.
- 96.5% patients and 98.3% clinicians were satisfied with the restoration.
- Implant connection type did not associate with the risk of prosthetic failure.


Procera™ full-contour/cut back zirconia implant crown (n=105)

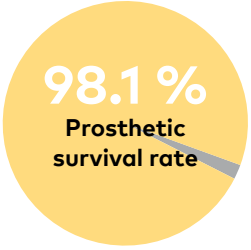

Procera™ customized zirconia ASC abutment (n=117)


Procera™ customized zirconia abutment (n=146)


Procera™ customized titanium abutment (n=95)

Technical complications recorded in the study

Technical complications	0.4%	Handled after temporary removal of abutment
	1.1%	Handled intraorally



9 out of 463 abutments replaced

Study design

Retrospective, multi-center clinical study

Immediate, early and delayed loading. Single tooth or partially edentulous

290 patients

463 TiUnite implants with different connections

463 Procera™ abutments

3.7±2.7years follow-up



Presented by Dr. Ian Lane at EAO 2022, Geneva

Factors associated with prosthetic complications with individualized abutments: Real-world data. Giacomo Fabbri; Tristan Staas; Ian Lane; Alberto Pitino; Edoardo Fossati; Ali Aghasadeh; Florian Kübler. Volume 33, Issue S24 Special Issue:29th Annual Scientific Meeting of the European Association for Osseointegration

MORE INFORMATION

STEP 6
Digital records and final restoration

Procera™ Implant bars

Fixed and fixed-removable implant bars provide stability and comfort for patients.



Patient experience

Procera™ is able to provide the right solution for patients' needs. Choose from a wide variety of bar types, attachments and retentive elements.

Fixes removable restorations

Maximize your restorative flexibility. The full range of bar types allows for optimized solutions for patient clinical situations.

100% inspection to ensure passive fit

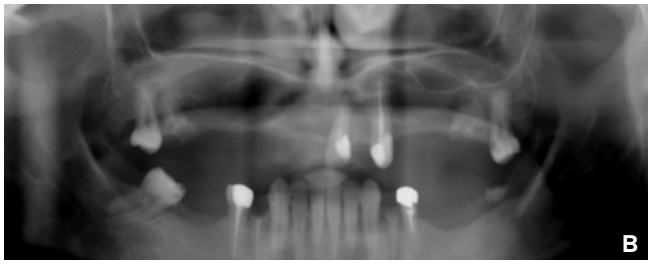
Using third-party components not designed for the system can cause hidden forces and lead to component or system failure.

Clinical case: Successful 10-year outcomes of Procera™ restoration in hybrid All-on-4® treatment concept

Clinical situation

- 34-year-old healthy female patient visited with the goal of having fixed teeth in the maxilla.
- She had been using an upper removable denture for more than 15 years and was uncomfortable and unhappy with this situation.
- After clinical and radiographic examination, atrophic maxilla with failing dentition was diagnosed.

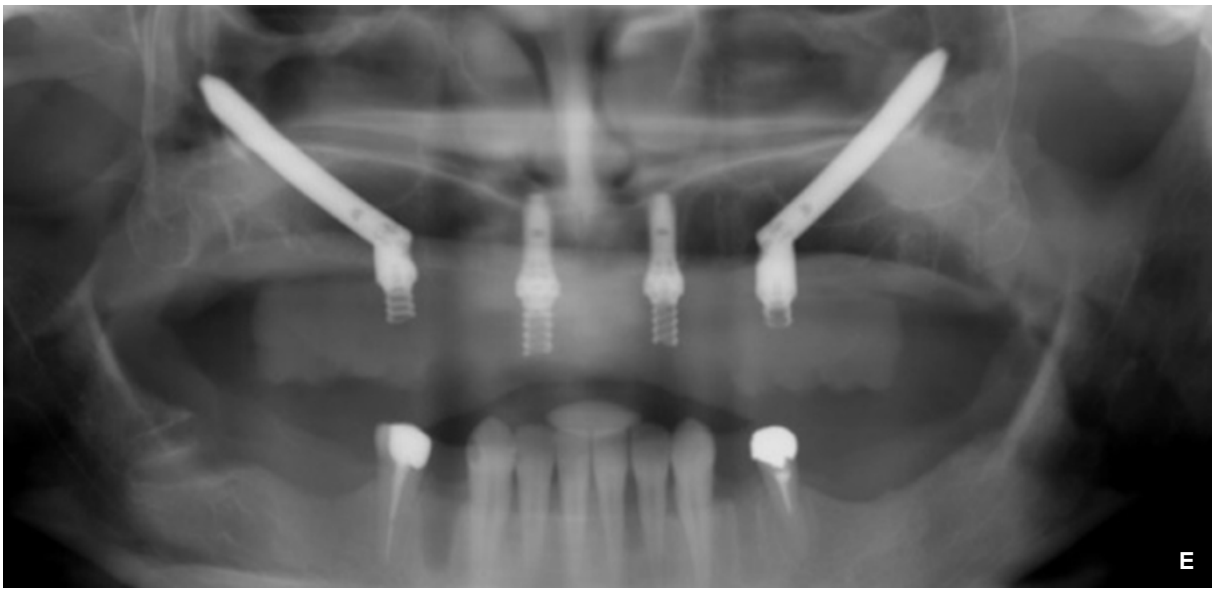








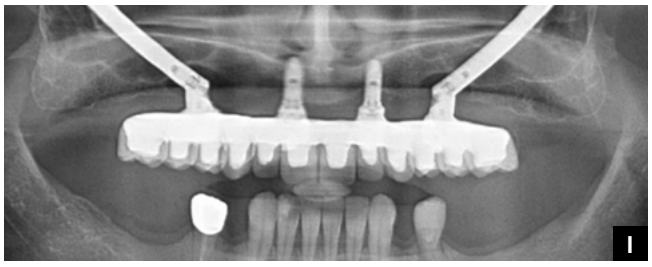
A Initial extraoral photo without dentures, in a maximum smile.
B Orthopantomogram.
C Initial intraoral maxilla occlusal view.
D extraoral photo with denture at maximum smile.











E Post-operative orthopantomogram.
F Patient smile with provisional bridge two months post-op.
G 10-year follow-up; occlusal view.
H Frontal view.
I Orthopantomogram.



Key to success

One reason for the long-term success of this rehabilitation was the use of a high-quality final screw-retained ceramic bridge. We achieved optimal esthetics by using 12 individual ceramic crowns which were fixed on a Procera™ titanium framework. The passive fit and mechanical resistance of this framework allow for homogeneous distribution of loading to maintain the marginal bone around the implants and ensure 10 years of function without complications.

Procera™ Esthetic Zirconia Implant Bridge

Made for esthetics, functions,
and cement-free full-arch restorations.



18+ years

of experience producing cement-free zirconia full-arch restorations.

Lifelike esthetic results

A multi-layered zirconia material with a seamless translucency gradient across layers, available in 10 VITA® shades.

Biology and prosthetics

Cement-free solutions with angulated screw channel function for Multi-unit Abutment and conical connection platforms.

Extensive flexibility

Ideal to design as full contour, cut-back, thimble, and framework – with or without soft tissue.

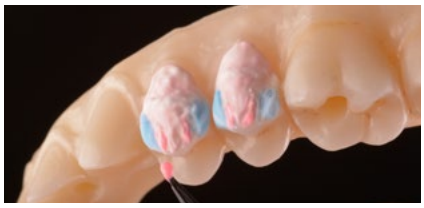
Full-arch rehabilitation with Procera™ Esthetic Zirconia.



After sintering



Frameworks pre-sinterisation



Partial cutback layering



Framework preparation



Framework in esthetic region



Full contour preparation



Final result



Final result in the anterior zone



Final result occlusal view

Applications



Full monolithic



Minimal cutback



Framework



Dr. Francesco Mintrone
Sassuolo, Italy

"Procera™ Esthetic Zirconia offers the perfect balance of strength and esthetics – achieving natural-looking results through monolithic restorations or minimal cut-backs, all enhanced by the precision and reliability of Procera™ technology."

MORE INFORMATION

STEP 6
Digital records and final restoration

Procera™ Zirconia Implant Bridges support long-term clinical success

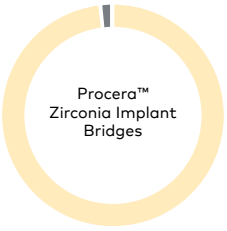
Up to 12-year follow-up of 111 Procera™ Zirconia Implant Bridges

Clinical relevance

- Confidence and reliability: Excellent long-term prosthetic survival, with minimal marginal bone loss independent of bridge type, implant type and connection, or loading protocol.
- Healthy soft tissue response: Low rates of peri-implant mucositis and peri-implantitis confirm excellent biocompatibility of zirconia.
- Minimal marginal bone loss at restorations connected at both abutment and implant level.
- CAD/CAM zirconia frameworks offer precision, passive fit and high material quality: Few technical and biologic complications, credited to industrial design.
- This study confirms the success of original prosthetics on Nobel Biocare implants.

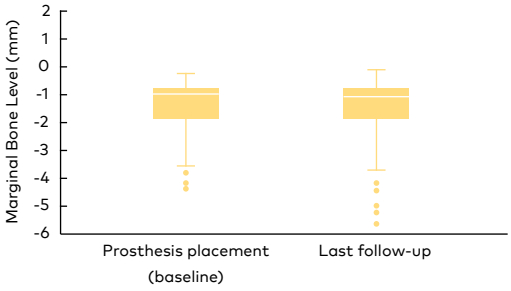
The results

- Excellent prosthetic survival of 98.2% with the mean follow-up of 7.2 years.
- Few technical complications and no framework fractures.
- Minimal marginal bone loss of 0.18 mm from definitive prosthesis delivery to last follow-up independent of bridge type, implant type and connection, or loading protocol.
- Minimal marginal bone loss of 0.17 ±0.62 mm for implant-level prostheses and 0.20 ±0.43 mm for abutment-level prostheses.
- Healthy soft tissue with low rates of peri-implant mucositis (2.7%) and peri-implantitis (3.8%) over long-term.
- High patient satisfaction and excellent long-term esthetics.



98.2%
prosthetic survival

0
framework fractures



Study design

337
Nobel Biocare implants

87 partial bridges

24 full-arch

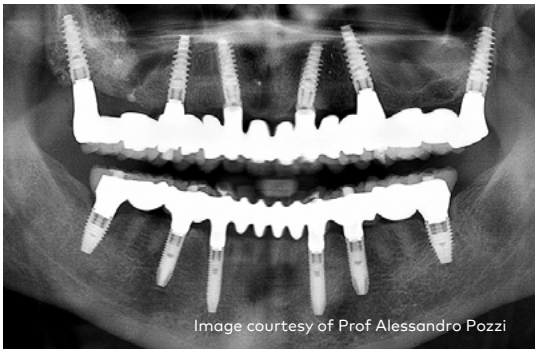
98
patients

Protocols:
Immediate and delayed loading

Sample clinical case from the study



Clinical view at the last visit: 12-year follow-up for the maxillary and 6-year follow-up for the mandibular Procera™ Zirconia Implant Bridge.



Panoramic radiograph at the 12-year follow-up for maxillary prosthesis and 6-year follow-up for mandibular prosthesis.

Procera™ restorations on Nobel Biocare implants are well documented

At time of publication, November 2021

93 publications

5,137 patients

22,565 Nobel Biocare implants

Procera™ Zirconia Implant Bridges provide a reliable long-term treatment option for partial and complete edentulism with no framework fractures.

More to explore

Read the full study



Pozzi A, Arcuri L, Fabbri G, Singer G, Londono J. Long-term survival and success of zirconia screw-retained implant-supported prostheses for up to 12 years: A retrospective multicenter study. J Prosthet Dent. 2021 Jun 26:S0022-3913(21)00265-1. Online ahead of print.

Own the zone

Achieve immediate esthetics with confidence.

Plan for success

Transform treatment planning with AI-powered automation:
Precision, efficiency and confidence for every treatment

Shorter treatment time

Provide your patients with a single unit restoration:
From diagnosis to provisionalization in 60 minutes[1]

Improved patient experience

Enhance patient outcome and satisfaction:
Custom-made provisional restoration on day of surgery



From scan to individualized provisional in up to 60 minutes[1]



New to esthetics? Gain confidence in esthetic restorations

Achieve predictable, natural-looking results with a seamless digital workflow designed to simplify anterior restorations.



Looking for efficiency? Optimize your end-to-end wokflow for esthetic cases

Streamline the entire workflow from diagnosis to restoration with an integrated digital approach.



Want to grow your referral base? Advance surgical precision in anterior cases

Build long-term referral relationships by prioritizing biological and restorative success.

1. Calculated based on time measurement of each step.
2. Mean survival rate with follow-up of up to 15 years using immediate provisionalization. Data on file.
3. Calculated versus previous digital workflow using DTX Studio™ Implant software with TempShell solution, or similar treatment planning solutions.

Confidently deliver a beautiful smile to your patient on the day of their surgery with our esthetic digital workflow

Predictability
97.6%
implant survival rate[2]

Efficiency
40%
Less chair time[3]

Patient experience
25%
fewer patient visits

Esthetic digital workflow

Data collection
- CBCT scan
- Intraoral scan
- Clinical photos
- Drag and drop

Treatment planning
- MagicAssist - AI
- Assisted implant plan

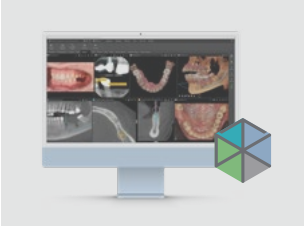
Surgical execution
- Navigated surgery
- Surgical guide
- Freehand

Post-surgical scan
- Intraoral scan
- Crown design

Immediate loading
- 3D printed ceramic crown

Digital records & final restoration
- Final intraoral scan
- Request final crown from Procera™

Esthetic digital workflow related products



DTX Studio™ Clinic



X-Guide® 3D navigation



NobelActive® and Nobel Biocare N1™ system



SprintRay Midas



Dr. Tristan Staas
Netherlands

"**Nobel Biocare's esthetic digital workflow has transformed how we plan and execute esthetic treatments. From precise digital planning to chairside 3D printing of provisionals, it allows for faster, more predictable outcomes and a streamlined experience that patients truly appreciate.**"

MORE INFORMATION

All-on-4® digital workflow

More than 25 years experience.



Proven All-on-4® treatment concept

- Full-arch rehabilitation with only four implants.
- Provide your patients with provisional teeth in a day.

Shorten treatment time

- Fewer patient visits.
- Reduce overall treatment costs.

Unmatched final prosthetic solutions

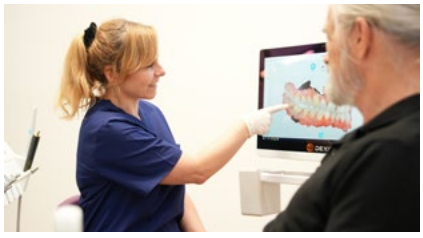
- 100% cement-free Procera™ implant bridges.
- Backed by over 93 publications and a 10-year warranty.

Discover how All-on-4® digital workflows can benefit your practice regardless of your surgical execution



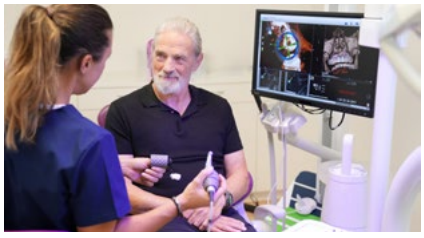
Freehand surgery

The All-on-4® digital workflow complements your experience with freehand surgical techniques, ensuring speed and flexibility.



Guided surgery

Already digitally oriented? Leverage the All-on-4® digital workflow to increase efficiency and predictability in your immediate protocols.



3D navigated surgery

Lead the way. Utilize 3D navigation and digital innovations to optimize your workflow and enhance patient satisfaction.

Leverage All-on-4® digital workflow to save time and costs[1]

Time savings
40%
less chair time

Efficiency
35%
less production costs per arch

Patient experience
40%
fewer patient visits

All-on-4® digital workflow

Data collection
- Dicom
- STL
- Clinical pictures

Treatment planning
- Smile design
- Virtual wax-up
- Implant planning

Surgical execution
- Freehand
- Surgical guide
- 3D navigation

Post-surgical impression
- Photogrammetry
- Wax-up for printing
- 3D printing
- Immediate loading

Immediate loading
- Digital records
- Photogrammetry
- Design prototype

Digital records & final restoration
- Deliver prototype
- Adjust and send to Procera™
- Deliver final

Product spotlights of the workflow



FastMap® navigated photogrammetry



ICam photogrammetry



SprintRay Pro 2



Esthetic new Zirconia implant bridges



Dr. Joe Mehranfar
United States

"The All-on-4® digital workflow has truly transformed the practice! By streamlining processes and enhancing precision, you're not only improving patient outcomes but also boosting team efficiency. This kind of technology really makes a difference in delivering care more effectively and with better results."

MORE INFORMATION

Empowering excellence in dental education



62,000

Professionals trained annually

Expert-led, hands-on learning

Learn directly from leading clinicians through practical, real-world training designed to build confidence and clinical excellence.

Cutting-edge techniques & technologies

Stay ahead with the latest in digital dentistry, guided surgery, and prosthetically driven implant planning using Nobel Biocare's innovative tools.

Flexible, personalized learning paths

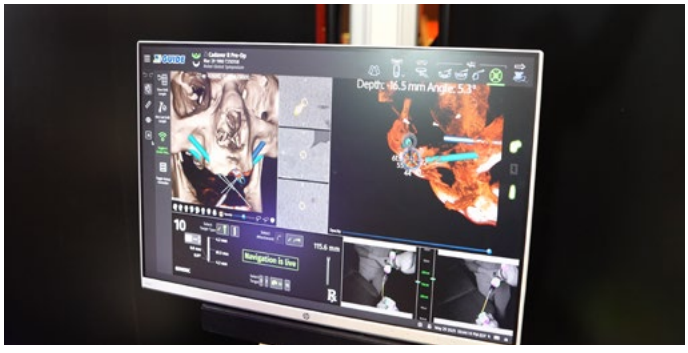
Access a wide range of courses tailored to your experience level and learning style – online, in-person, or hybrid.

Experience personalized sessions with our seasoned experts. Whether you're aiming to develop skills or gain insights, our group and one-on-one sessions empower you to set the agenda.



Hands-on courses

Join us for an unparalleled learning experience with industry-leading dental experts. Comprehensive digital dentistry courses explore the full treatment workflow – from data collection and treatment planning to surgical execution and prosthetic rehabilitation.



On-demand webinars and videos

Take control of your professional development at a time and place that suits you. Be front and center as world-class lecturers, opinion leaders, and researchers introduce you to the latest concepts in digital dentistry.



Personalized training

Whether assisting in a surgery, providing dedicated training for you and your team, or offering one-to-one mentoring sessions with a digital dentistry clinical expert, we're here to support your growth. Get in touch to create the educational journey you want.

COURSES

ON-DEMAND

CONTACT US


X-GUIDE NXT
SprintRay
CERAMIC CROWN
MIDAS
Ready to Print
3shape
DEXIS



Experience the power of a fully integrated digital workflow with Nobel Biocare.



MORE INFORMATION

Order online

Order our complete range of implants and prefabricated prosthetics 24 hours a day through the Nobel Biocare online store.
store.nobelbiocare.com

Order by phone

Call our customer service team or contact your sales representative.
nobelbiocare.com/contact

Lifetime warranty

The warranty covers all Nobel Biocare implants including prefabricated prosthetic components.
nobelbiocare.com/warranty

nobelbiocare.com/digitalsolutions

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