



Atlantis®

Patient-specific solutions
for all major implant systems



Two decades of ongoing innovation

For two decades, the Atlantis solutions, products and services have been continuously developed to meet the needs of all members of the treatment team for the benefit of their patients.

1999

First patient-specific Atlantis Abutment delivered in titanium



2004

Atlantis Abutment in gold-shaded titanium



2006

Atlantis Abutment in zirconia



2008

Atlantis Bridge and Atlantis Hybrid for screw-retained restorations



2010

Atlantis Editor for Atlantis abutments



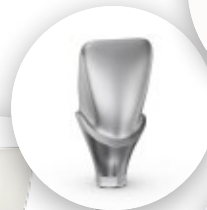
2011

Atlantis Crown Abutment in zirconia



2014

Atlantis Crown Abutment in titanium



2014

Angulated screw access for Atlantis Bridge and Atlantis Hybrid



2005

Atlantis Bar delivered in titanium



2007

Atlantis WebOrder online ordering system



2009

Lab-based scanning for Atlantis abutments



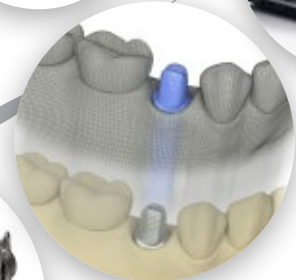
2011

Atlantis 2in1 suprastructure



2012

Atlantis Core File



2015
Atlantis Conus concept



2015
Lab-based scanning for Atlantis suprastructures



2016
Atlantis Crown for cement- and screw-retained restorations



2016
Atlantis Scan Upload for open intraoral scanners



2017
Atlantis Viewer accessible on mobile devices



2018
Atlantis Temporary Crown for cement-retained restorations



2014
Intraoral scanning for Atlantis abutments



2015
Atlantis suprastructures in additive manufacturing



2016
Atlantis CustomBase Solution Angulated screw access feature 2018



2017
Sirona Connect and inLab connectivity



2019
Atlantis Conus Structure part of Atlantis Conus concept

2013
Atlantis Scan Upload for open lab-scanners

“The treatment has definitely had a positive impact on my life. No one can see that I have dental implants as it looks like natural teeth. If I had known how smooth the process would be, I would have gone ahead with the implants a long time ago.”

Sia T
Patient



Genuine solutions for unique patients

To provide truly ideal restorative solutions you need versatility, flexibility within your workflow, and design options as individual as your patients.

With Atlantis patient-specific prosthetic solutions, you get simplicity, freedom, aesthetics, and reliability. This gives you the foundation needed, to be able to return your patient's individuality.

Simplicity you can use

Can be easily incorporated in both the dental practice and dental laboratory for increased efficiency and profitability.

Freedom to choose

An open solution for all major implant systems,¹ delivering a consistent workflow for every clinical case.

Esthetics you can count on

By using sophisticated design software based on the individual anatomy of each patient, all the necessary design parameters are taken into consideration for optimal aesthetics and function.

Reliability you can trust

Built upon a solid foundation of research and development, Atlantis is backed up by long-term experience and documentation, delivering high predictability and reliable results. Best of all, Atlantis patient-specific prosthetic solutions are covered by a comprehensive warranty² for your added peace of mind.



1. Refer to Atlantis implant compatibility charts.
2. Subject to the terms and conditions of the Atlantis warranty.



“Atlantis is an integral part of my practice and one that I rely on day after day. It has helped me improve my patient care and develop greater confidence in the treatment I provide.”

Dr. Mark Montana,
Prosthodontist
Tempe, AZ, USA

Simplicity you can use

Atlantis is an easy way to add a premium dimension to your prosthetic offering. Each patient-specific solution is optimally designed and produced based on your preferences.

Easy to order

Clinicians can simply take a digital or conventional impression and send the case material with the case prescription, to the dental laboratory and request an Atlantis patient-specific solution.

Dental technicians can conveniently order Atlantis solutions via Atlantis WebOrder, an online case management portal available 24 hours, 7 days a week.

Digital impressions are directly sent to the Atlantis production facility or by utilising lab-based scanning capability. Case models can also be physically sent in the Atlantis CaseSafe box, which ensures safe transportation of your case materials.

Incorporate your design preferences

When the online order and case materials are received, the design process of your patient-specific abutment or suprastructure will begin. Be assured that sophisticated Atlantis software considers all aspects and design parameters while incorporating your specific requirements and preferences. Once the design is reviewed and approved, the abutment is produced, put through quality control and delivered.

Ready to use

For maximum ease of use and precision, all Atlantis solutions are designed, reviewed and manufactured based on the individual patient data and require no additional manual modifications before placement.

Maximum efficiency

Atlantis solutions supports a consistent workflow for all your implant-supported restorations for all major implant systems¹.

This streamlined workflow brings simplicity and profitability to the dental practice by eliminating the time and costs for inventory management, equipment maintenance, and chairside modifications.

Minimum investment

Atlantis is an open, fully flexible business model that can be easily adjusted to your needs and processes.

Incorporating Atlantis solutions means avoiding additional investment in software and equipment, as well as the associated cost for training and maintenance. This allows you to increase volume without putting more demand on your staff.

¹. Refer to Atlantis implant compatibility charts.

Streamlined workflow for implant restorations

Dentsply Sirona offers digital technologies that make it easier for all members of the treatment team to connect, streamlining your workflow and providing the foundation you need to restore your patient's individuality.



Impression

Choose between conventional or digital¹ impression.



Easy to prescribe

The impression is sent to the dental laboratory with a request for the preferred Atlantis solution.

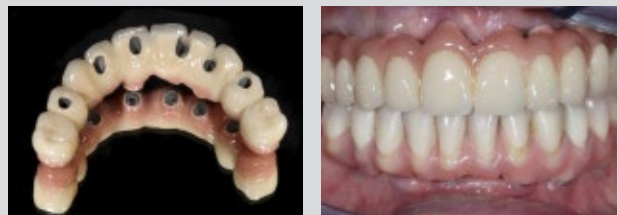
Atlantis® abutments



Atlantis abutments meet the patient requirements and preferences for function and aesthetics. Abutment margins are ideally designed and placed for easy and safe removal of excess cement. This ensures efficient restorative procedures, reducing chairtime and helping to maintain aesthetic results over time.

Courtesy of Dr. Roy Samuelsson, Dr. Johan Caspar Wohlfahrt and MDT Svein Thorstensen

Atlantis® suprastructures



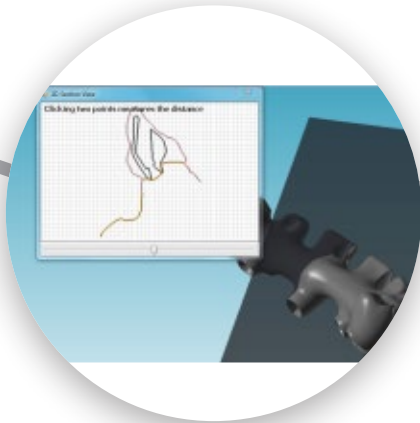
Atlantis suprastructures provide the solutions you need for restoring partially and fully edentulous arches while meeting patient requirements and preferences for function and aesthetics. For Atlantis Bridge and Hybrid, the screw channel can be aligned and the prosthetic screw access can be optimally positioned, improving the function and aesthetics.

Courtesy of Dr. Sissel Heggdalsvik, Dr. Per-Johan Halvorsen and MDT Svein Thorstensen

Consistent and reliable results

Digital connectivity is present throughout the planning and treatment processes, reinforcing our partnerships with customers as well as communication within your entire treatment team.

One of our top priorities is ensuring that we deliver consistent and reliable solutions, products and services of the highest quality. This connectivity helps us guarantee that you receive exactly what you expect, each and every time.



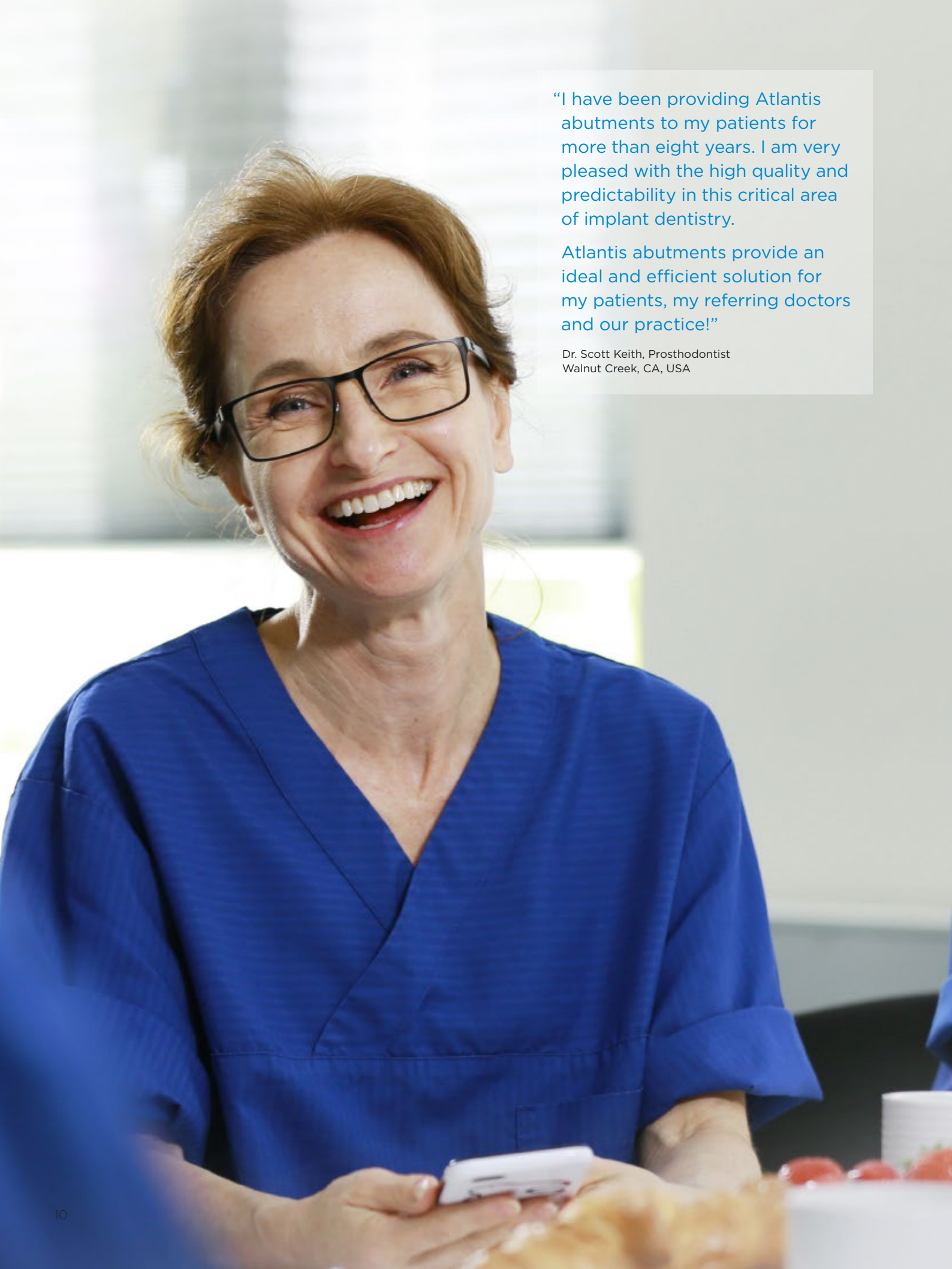
Design and approval

The order is finalised by the dental technician and sent to Dentsply Sirona for design and production. The treatment team can easily monitor, view and approve design before production.

Final delivery

Once produced, the Atlantis patient-specific solution is sent to the dental technician, who finalises the restoration prior to sending it to the restorative clinician for final placement.

1. Available for Atlantis abutments.



“I have been providing Atlantis abutments to my patients for more than eight years. I am very pleased with the high quality and predictability in this critical area of implant dentistry.

Atlantis abutments provide an ideal and efficient solution for my patients, my referring doctors and our practice!”

Dr. Scott Keith, Prosthodontist
Walnut Creek, CA, USA

Freedom to choose

Atlantis solutions provide the greatest flexibility for your restorative implant needs.

For all members of the treatment team

Whether you are a dental clinician or technician, you can easily integrate Atlantis into your existing workflow, facilitating team communication and increasing business profitability.

In the materials you need

Our teeth are as diverse and individual as fingerprints. Consequently, the dental restorations that each patient receives should be equally as unique.

Atlantis solutions are available in the materials you want and need – for all indications. The abutments are available in titanium, gold-shaded titanium and different shades of zirconia and the crowns come in different shades of zirconia as well as different shades of PMMA. The suprastructures are available in titanium and cobalt-chrome.

With this selection of materials you can satisfy the functional and aesthetic needs of every patient case.

Numerous design options

In addition to a wide range of materials, numerous design options are available, including alternatives for optimal emergence widths, final retentive surface and angulated screw access positioning for crowns, bridges and hybrids.

As digital as you want

Dental clinicians can use intraoral scanners² to take digital impressions for added efficiency and convenience while dental technicians can leverage investments already made by using existing scanners to digitise the entire case.

If you prefer an analogue workflow case materials can be sent for scanning at the dental laboratory. Regardless of your preferred workflow, Atlantis provide digital flexibility.

For all major implant systems

Atlantis is compatible with a broad portfolio of implant connections which means that you can continue to work with your preferred implant system¹.



Atlantis solutions –
for all major implant systems

1. Refer to Atlantis implant compatibility charts.

2. Available for Atlantis abutments.

All trademarks, company names and implant designs are the property of their respective owners.

Restorative options for your different needs

Atlantis solutions are indicated for cement-, screw-, friction- and attachment-retained restorations, supporting single-, partial-, and full-arch cases, fulfilling your patients' requirements for excellent function and aesthetic's.



Cement-retained restorations

Atlantis Abutment and Atlantis Crown are uniquely designed for cement-retained restorations with margins positioned for easy and safe removal of excess cement.

Atlantis Temporary Crown works as a functional restoration, up to twelve months, until a permanent crown is installed.

Atlantis Insertion Guide ensures the accuracy of Atlantis Abutment orientation and installation for single- and multiple-unit, cement-retained restorations. The guide is also used for Atlantis Conus Concept.

Atlantis® single tooth restorations



Based on the implant position, emergence profile and the restorative clinician's preference of emergence width options, the patient-specific abutment is produced by Dentsply Sirona and viewed and edited by the dental technician. The subgingival portion of the abutment is designed with an anatomical shape which supports the surrounding soft tissue.

After eight years, a radiograph shows the precise fit of the restoration, where the inter-proximal papillae are kept stable, and the position of the bone is at the level of the implant. The soft tissue around the restoration, filling the inter-proximal space contributes to a natural soft tissue contour.

Courtesy of Fernando Rojas-Vizcaya, DDS, MS and Francisco Ortega, CDT

Friction- and attachment-retained restorations

Atlantis Conus Concept is an implant-supported dental prosthesis that uses a conometric design to retain an **Atlantis Conus Structure**, including **SynCone Caps**, onto the **Atlantis Conus Abutment, Overdenture** by surface friction. The abutment design and manufacturing standards provide a stable yet removable non-resilient prosthesis.



Atlantis Bar is indicated for removable dentures, using a combination of various attachment options.



Atlantis 2in1 provides both a primary suprastructure fixed to implants, and a secondary suprastructure that attaches to the primary using friction and additional retention elements.

Screw-retained restorations

Atlantis CustomBase Solution for single tooth restorations combines an Atlantis Abutment and an Atlantis Crown or a crown file/core file with screw access hole already indicated. The solution is cemented extraorally and screw-retained into the implant. Compared to a stock titanium-based component, Atlantis CustomBase Solution provides a customised emergence profile for soft-tissue aesthetics, angulated screw access¹ for more challenging cases and flexibility of abutment and crown materials.



Atlantis Bridge and Atlantis Hybrid are full-anatomical designed frameworks that are completed using ceramic, composite layering techniques or denture resin. Utilise angulated screw access to angle the screw channel for improved function and aesthetics.



1. Refer to Atlantis abutments implant compatibility chart for available assortment

Atlantis® partial- and full-arch restorations



Implant placements require restorative solutions designed to meet optimal function and aesthetic demands. By using the actual teeth set-up, the implant suprastructures are designed using the latest developments in world-class production technologies. Atlantis implant suprastructures can be designed to support the final treatment solution even when conditions

for implant placement are not ideal. The radiograph presents a full-arch Atlantis implant restoration with a passive fit. The final solution consists of an Atlantis Bridge in the upper jaw and an Atlantis Hybrid in the lower jaw, designed for optimal function and aesthetics.

Courtesy of Dr. Sissel Heggdalsvik, Dr. Per-Johan Halvorsen and MDT Svein Thorstensen

A unique synergy – Atlantis® BioDesign Matrix

The Atlantis BioDesign Matrix is a synergy of four unique features that allow for the design and production of consistent, high-quality, patient-specific abutments for all major implant systems¹.

Virtual Atlantis® Design

Designed from the final tooth shape. Virtual Atlantis Design (VAD) software makes it possible to design abutments and crowns in relation to the edentulous space and the surrounding teeth for high precision and a more natural aesthetic result.

Natural Shape

Unique anatomical shape and emergence profile that nourishes soft tissue management and provides excellent support and retention of the final restoration.

Soft-tissue Adapt

The combination of biological, anatomical and engineering parameters that provide the beneficial conditions for healing soft tissue and adapting it to the finished crown.

Custom Connect

Strong and stable fit – customised connection for all major implant systems¹. Atlantis abutments connections and screws are specifically engineered and tested for each implant interface for accurate fit, stability, and a successful result.



¹. Refer to Atlantis abutments implant compatibility chart.

Atlantis[®] patient-specific abutments and crowns

Individually designed

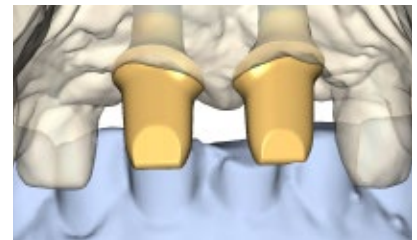
Atlantis abutments are individually designed from the final tooth shape using the proprietary Virtual Atlantis Design (VAD) software. The software takes the specific edentulous space, surrounding teeth and soft tissue anatomy into consideration, thereby delivering prosthetics that mimic true natural tooth function and appearance.



Proposed tooth shape



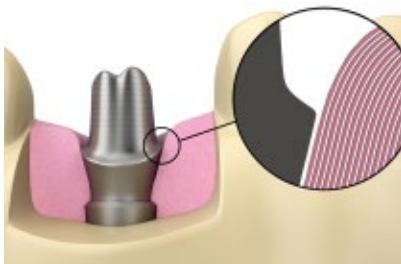
Abutment design taking all important factors into account



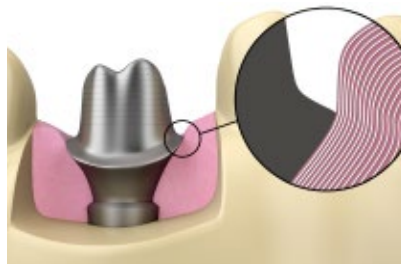
Final Atlantis Abutment design

Emergence width options

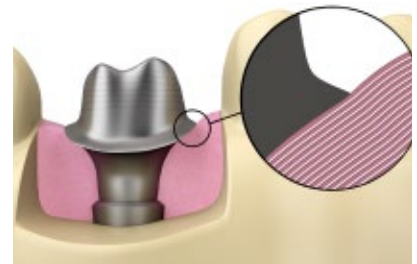
To be able to achieve optimal function and aesthetic outcomes, various parameters need to be taken into consideration, such as implant diameter, size of healing space, position of the restorative margin and choice of final restoration type. Different emergence width options are available to define the position of the restorative margin.



No tissue displacement



Contour tissue (default option)



Anatomical support



Fig. 1

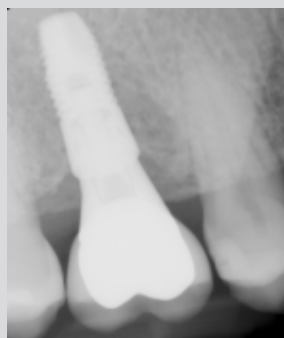


Fig. 2

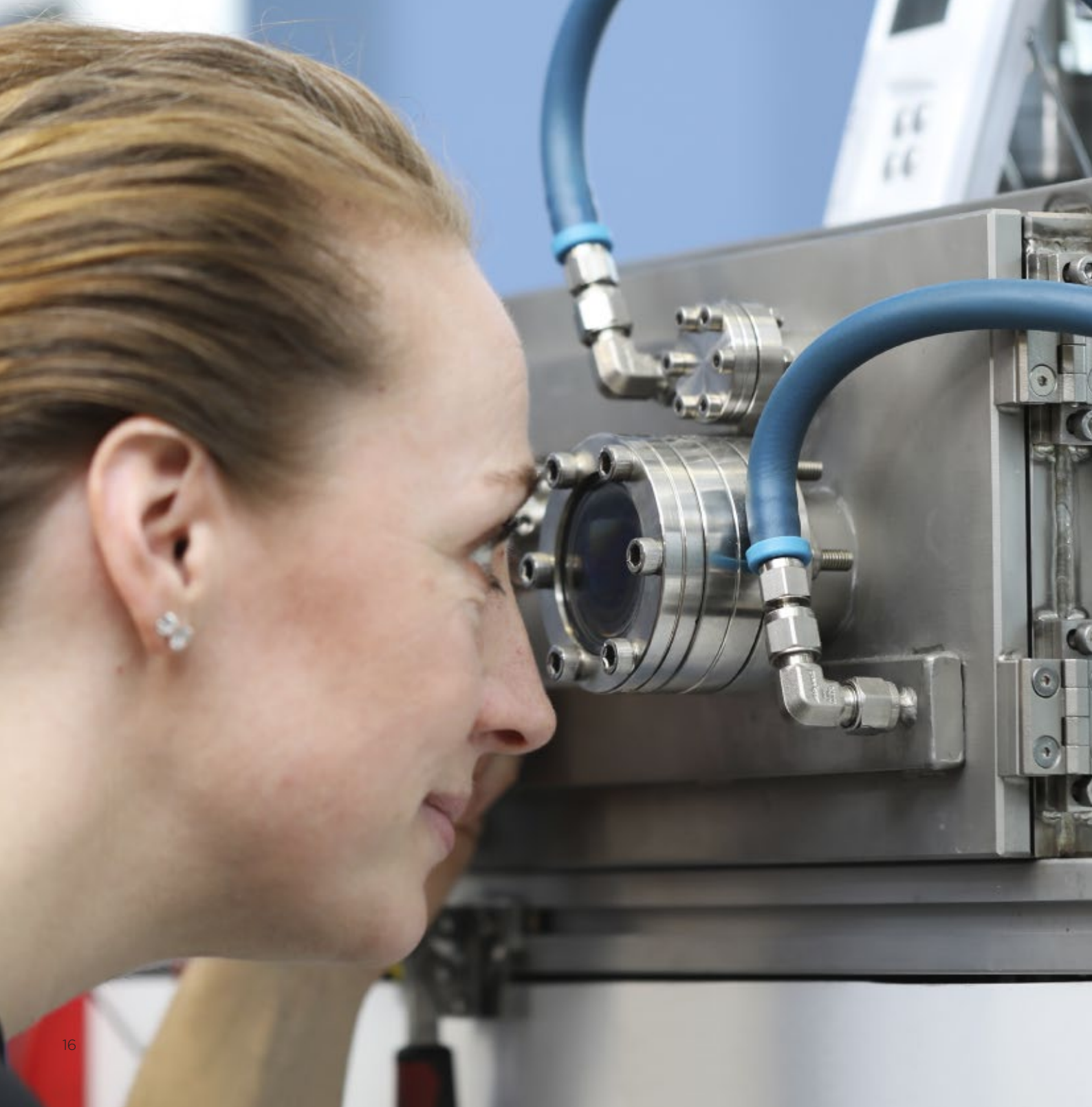
Fig. 1
Stock titanium-base component provides minimal retention and support for the crown.

Fig. 2
Atlantis solution designed with emergence profile and patient-specific design of the abutment core and height, for optimised retention and support for the crown.

Courtesy of Dr. Lars-Magnus Almgren, DDS

“Digital technology is constantly changing and improving, and Atlantis gives any dental laboratory the leading edge in designing and manufacturing abutments, crowns and suprastructures without the need of big investments in technology.”

Svein Thorstensen MDT
Proteket AS
Oslo, Norway



Atlantis[®] patient-specific suprastructures

Atlantis suprastructures are produced using the latest developments in world-class production technologies, and supported by computer-based industrial and medical device expertise.

World-class manufacturing

The art and craft of dental laboratory procedures are further enhanced through the application of engineering principles, allowing for the design and production of consistent, high-quality, patient-specific implant suprastructures for all major implant systems¹.



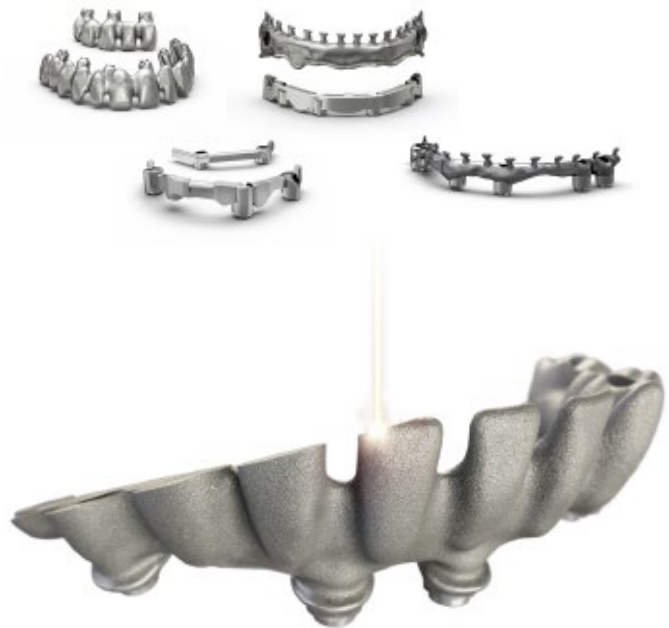
The crucial angle

Optimal positioning of the screw access channel improves aesthetics and makes handling easier.

Angling the screw access channel allows the screw access hole to be optimally positioned, improving the function and aesthetics of the Atlantis Bridge and Atlantis Hybrid restoration. The channel can be angled up to 30 degrees off the implant/abutment axis.

Restorative flexibility

Atlantis suprastructures include a full range of suprastructures for fixed (Atlantis Bridge and Atlantis Hybrid) and removable (Atlantis 2in1 and Atlantis Bar) implant prostheses and overdentures.



Adding layers for accuracy

Additive manufacturing, the latest in world-class manufacturing, is a metal 3D printing technique, which provides new possibilities for advanced geometries. The suprastructures are produced by a "layer-upon-layer" technique, providing ultimate design control for Atlantis Bridge and Atlantis Hybrid for fixed screw-retained restorations.

1. Refer to Atlantis suprastructures implant compatibility chart.

“Going digital means we are not limited and can use the best solutions for our workflow. We think it is fair to say that we are loving the fully digital workflow and we will do many more of the Atlantis impression free cases.”

Mr. Steve Campbell, CDT, Nexus Dental, Harrogate, United Kingdom
and Dr. Tim Doswell, BChD Dip.Imp.Dent.RCS(Eng)(Adv.Cert),
Raglan suite, Harrogate, United Kingdom



Reliability you can trust

By choosing Atlantis, you can be assured that the prosthetic solutions you receive are of the highest quality, safety and reliability. All Atlantis patient-specific prosthetic solutions come with an exclusive and industry-leading comprehensive warranty program¹, for your added peace of mind.

Unique experience in design

Our confidence is based on our extensive design history and the delivery of more than three million Atlantis abutments and close to one million Atlantis suprastructures connections globally.

Extensive research and development

Atlantis products and services are supported by years of research and use, continued enhancements in production and manufacturing, and industry-leading innovation.

Precision production technologies

Atlantis patient-specific prosthetic solutions are produced and quality assured at one of the state-of-the-art production facilities. These facilities are ISO certified and regularly inspected for production quality and efficiency.

Comprehensive warranty

Every Atlantis product delivered is backed by a comprehensive warranty program¹ for your added peace of mind.



“Our dental laboratory has been restoring cases with Atlantis abutments for over 12 years. The results have been, and continue to be, excellent. With over 30,000 cases restored and a remake factor of less than 2%, our Simpli™ protocol using Atlantis abutments is our most successful offering to date.

We could not have achieved these great results without the excellent design and service support. It is a great partnership between laboratory and vendor. The results speak for themselves. Thank you!”

Barry Lampert, Owner
Town & Country Dental Studios
Freeport, NY, USA

1. Subject to the terms and conditions of the Atlantis warranty.

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About Dentsply Sirona Implants

Dentsply Sirona Implants offers comprehensive solutions for all phases of implant therapy, including Ankylos®, Astra Tech Implant System® and Xive® implant lines, digital technologies, such as Atlantis® patient-specific solutions and Simplant® guided surgery, Symbios® regenerative solutions, and professional and business development programs, such as STEPPS™. Dentsply Sirona Implants creates value for dental professionals and allows for predictable and lasting implant treatment outcomes, resulting in enhanced quality of life for patients.

About Dentsply Sirona

Dentsply Sirona is the world's largest manufacturer of professional dental products and technologies, with a 130-year history of innovation and service to the dental industry and patients worldwide. Dentsply Sirona develops, manufactures, and markets a comprehensive solutions offering including dental and oral health products as well as other consumable medical devices under a strong portfolio of world class brands. As The Dental Solutions Company™, Dentsply Sirona's products provide innovative, high-quality and effective solutions to advance patient care and deliver better, safer and faster dentistry. Dentsply Sirona's global headquarters is located in York, Pennsylvania, and the international headquarters is based in Salzburg, Austria. The company's shares are listed in the United States on NASDAQ under the symbol XRAY.

Visit www.dentsplysirona.com for more information about Dentsply Sirona and its products.

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YOUR
CONFIDENCE
IS OUR
INSPIRATION.

