



Atlantis®

## Your business partner defined

Patient-specific solutions for your  
choice of implant system

 **Dentsply  
Sirona**  
Implants

# Ongoing innovation

For two decades, the Atlantis 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

**2005**

Atlantis Bar delivered in titanium

**2007**

Atlantis WebOrder online ordering system

**2009**

Lab-based scanning expands efficiency in case processing



**2014**

Atlantis Crown  
Abutment in titanium



**2014**

Angulated screw access  
for Atlantis Bridge and  
Atlantis Hybrid



**2015**

Atlantis Conus concept



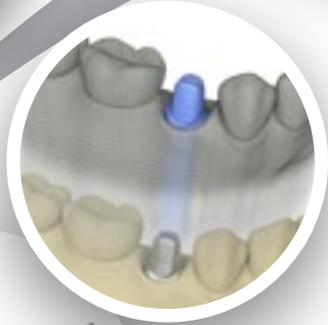
**2016**

Atlantis Crown solutions



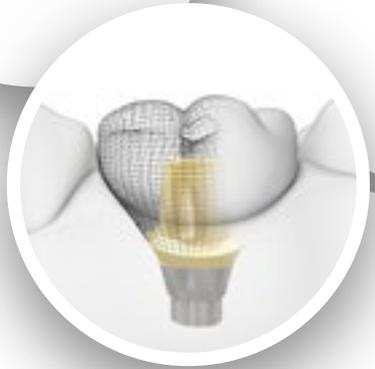
**2014**

Intraoral scanning for  
Atlantis abutments



**2015**

Atlantis suprastructures in  
additive manufacturing



**2016**

Atlantis CustomBase  
solutions

**2012**

Atlantis Core File



**2011**

Atlantis 2in1  
suprastructure





“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

# Unique originals for unique individuals

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

With Atlantis patient-specific prosthetic solutions, you get simplicity, freedom, esthetics, 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**

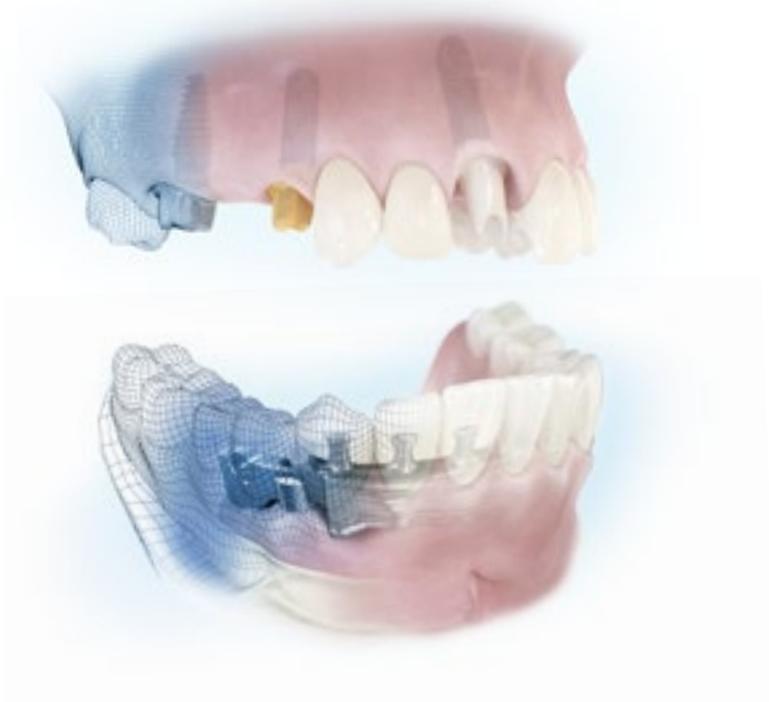
An open solution for all major implant systems,<sup>1</sup> delivering a consistent workflow for every clinical case.

## **Esthetics you can count on**

By using sophisticated design softwares based on the individual anatomy of each patient, all the necessary design parameters are taken into consideration for optimal esthetics 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 warranty<sup>2</sup> for your added peace of mind.



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

# 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, together with the case prescription, to the dental laboratory and prescribe for an Atlantis patient-specific solution.

Dental technicians can order Atlantis solutions online via Atlantis WebOrder, 24 hours a day, 7 days a week.

Digital impressions are easily sent from the dental laboratory directly to the Atlantis production facility via Atlantis WebOrder or by utilizing lab-based scanning. Case models can also be physically sent in the Atlantis CaseSafe, which ensures safe transportation of your case materials.

## **Design with your preferences incorporated**

After receiving the online order and patient case materials, we design your abutment or suprastructure. We support your individualized approach to caring for your patients. You can count on the Atlantis sophisticated design softwares to consider all aspects of the design parameters with your specific requirements and preferences incorporated. Before production and quality control Atlantis allows for simplified review and approval of designs.

## **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 supports a consistent workflow for all your implant-supported restorations for whichever implant system(s) you prefer.

This streamlining brings simplicity and profitability to the dental practice by eliminating the time and costs for inventory management, equipment maintenance, and chairside modifications. Additionally, it frees up time for additional cases to be produced at the dental laboratory.

## **Minimum investment**

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

By using Atlantis, you avoid 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.

“Our implant business has tripled since switching to Atlantis abutments because we can offer our customers consistent, reliable and high-quality products and services each and every time.”

Lars Hansson, CDT  
Bay View Dental Laboratory  
Chesapeake, VA, USA



Dentsply Sirona offers digital technologies that make it easier for all members of the treatment team to connect, thereby streamlining your workflow and giving you the foundation needed, to be able to return your patient's individuality.

# Streamlined workflow for implant solutions



## **Impression**

Choose between conventional or digital\* impression.



## **Easy to prescribe**

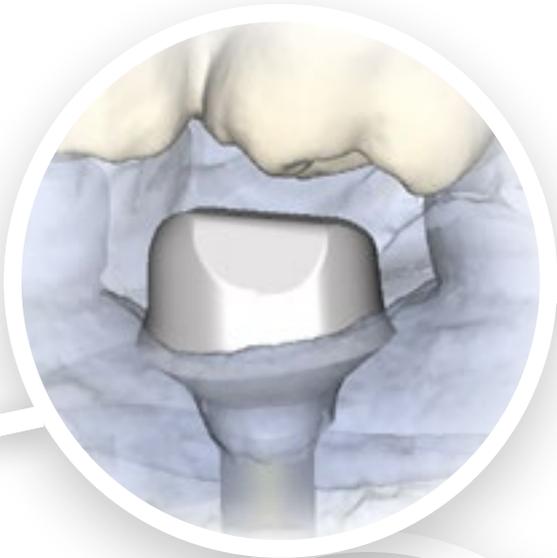
The impression is sent to the preferred dental laboratory with a prescription for the selected Atlantis solution.

\*Available for Atlantis abutments.

Incorporating Atlantis solutions streamlines the workflow without investing in additional software and equipment. Sending in intraoral scans, lab-based scans or case models, is an integral part of the open digital workflow.

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 customer approval**

The order is finalized 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 patient-specific solution**

Once produced, the Atlantis patient-specific solution is returned to the dental technician, who then finalizes the restoration and sends it to the restorative clinician.

“As a Prosthodontist, I restore many different implant systems. With Atlantis solutions, I stock fewer parts since all implants are restored in the same way.”

Dr. Michael Johnson, Prosthodontist,  
Bellevue, WA, USA



# Freedom to choose

With Atlantis, you get an open digital solution that provides 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 the way you prefer to work, facilitating team communication and increasing business profitability.

## **As digital as you want**

Atlantis helps create a full-digital workflow. Dental clinicians can use intraoral scanners<sup>1</sup> to take digital impressions for added efficiency and convenience while dental technicians can leverage investments already made by using existing scanners to digitize the entire case. If you prefer an analog workflow, case materials can be sent for scanning at the dental laboratory.

## **In the materials you need**

Atlantis solutions are available in the materials you want and need – for all indications. With titanium, gold-shaded titanium and different shades of zirconia for abutments and crowns, and titanium and cobalt-chrome for the suprastructures, you can satisfy the functional and esthetic needs of every patient case.

## **Numerous design options**

Complementing material selection are numerous design options, including alternatives for optimal emergence widths, final retentive surface and angulated screw access positioning for bridges and hybrids.

## **For all major implant systems<sup>2</sup>**

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



Atlantis solutions –  
for your choice of implant system

1. Available for Atlantis abutments.

2. Refer to Atlantis implant compatibility charts.

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

“I have been providing Atlantis abutments to my patients for six 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

# Esthetics you can count on

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

The design of all Atlantis solutions are based on the specific anatomy and clinical situation of each

individual patient and use the latest in sophisticated design softwares while incorporating your design preferences.

This versatile solutions-based approach mimics natural tooth function and appearance.

## Atlantis® abutments



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

## Atlantis® suprastructures



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

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

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





# Solutions for your different needs

Atlantis includes a broad selection of patient-specific prosthetic solutions for all indications and all major implant systems<sup>1</sup> fulfilling your patient's requirements for excellent function and esthetics.



## **Cement-retained solutions**

Atlantis Abutments and Atlantis Crowns are uniquely designed for cement-retained restorations with margins positioned for easy and safe removal of excess cement. In addition, the Atlantis Insertion Guide ensures the accuracy of Atlantis Abutment orientation and installation for single- and multiple-unit, cement-retained restorations on all major implant systems.<sup>1</sup>

1. Refer to Atlantis implant compatibility charts.



**Friction- and attachment-retained solutions**

Atlantis Conus Abutment is a uniquely designed, conical shaped abutment which together with pre-fabricated SynCone caps form the Atlantis Conus concept. With this concept your patients will receive a stable yet removable prosthesis, offering the perception and security of a fixed restoration.

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.

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



**Screw-retained solutions**

Atlantis Bridge and Atlantis Hybrid are full-anatomical designed frameworks that are completed using ceramic, composite layering techniques or denture resin.

Atlantis CustomBase single tooth solutions combines an Atlantis patient-specific 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 customized emergence profile for soft-tissue esthetics and a flexibility of abutment and crown materials.

Atlantis Crown Abutment allows for direct application of porcelain or composite for efficient, effective and esthetic single-tooth, screw-retained restorations.



# Atlantis<sup>®</sup> patient-specific abutments and crowns

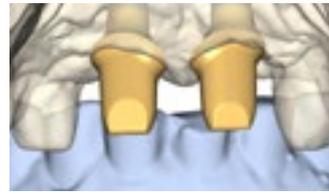
Atlantis abutments are individually designed from the final tooth shape using the proprietary design software Virtual Atlantis Design (VAD). The software takes the specific edentulous space, surrounding teeth and soft tissue anatomy into consideration, thereby delivering prosthetics that mimic true natural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



Proposed tooth shape



Abutment design taking all important factors into account



Final Atlantis Abutment design

Atlantis abutments are indicated for all positions in the mouth, for cement-, (single tooth) screw- and friction/attachment-retained solutions, supporting single, partial, and full-arch restorations for all major implant systems.<sup>1</sup>

Atlantis Crown is available for cement-retained solutions and as part of the Atlantis CustomBase solution for screw-retained solutions. The crown is ordered and delivered at the same time as its corresponding patient-specific Atlantis Abutment.

To help you satisfy the functional and esthetic requirements of your patients, Atlantis abutments and crowns are available in a number of biocompatible materials, including titanium, gold-shaded titanium, and different shades of zirconia.



Cement-retained solutions

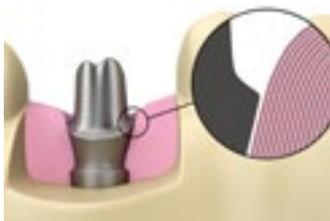


Screw-retained solutions

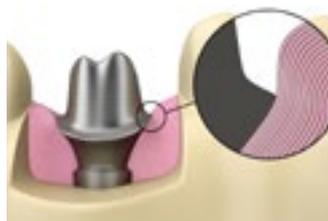
## Customer preferences

To be able to achieve optimal function and esthetic 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.

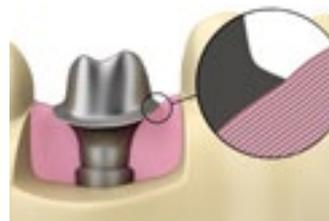
When working with Atlantis abutments, you have the restorative freedom to work with your preferred implant system. You can choose among different emergence width options and define the position of the restorative margin.



No tissue displacement



Contour tissue



Anatomical support

1. Refer to Atlantis abutments implant compatibility chart.

## Atlantis® BioDesign Matrix

The Atlantis BioDesign Matrix is a synergy of four unique features that together allow for the design and production of consistent, high-quality, patient-specific abutments for all major implant systems.<sup>1</sup>



### 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 esthetic 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 - customized connection for all major implant systems.

Atlantis abutments connections and screws are specifically engineered and tested for each implant interface for accurate fit, stability, and a successful result.

## Atlantis® abutments



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 six 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*



#### **Additive manufacturing**

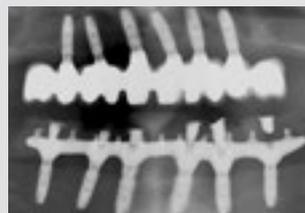
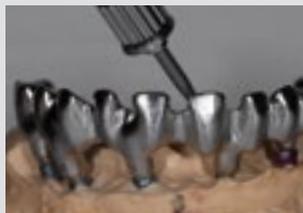
Additive manufacturing is a metal 3D printing technique which provides new possibilities for advanced geometries.

# Atlantis<sup>®</sup> 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.

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 systems.<sup>1</sup>

## **Atlantis<sup>®</sup> suprastructures**



Implant placements require restorative solutions designed to meet optimal function and esthetic 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 esthetics.

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

Lars Hansson, CDT  
Bay View Dental Laboratory  
Chesapeake, VA, USA

### 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.

### World class manufacturing

Atlantis Bridge and Atlantis Hybrid are produced by a metal 3D printing technique, additive manufacturing, which provides unique possibilities for advanced geometries. The result is an ultimate design of the suprastructures in titanium and cobalt-chrome for all major implant systems<sup>1</sup>.



Atlantis Bridge for fixed restorations



Atlantis Hybrid for fixed restorations



Atlantis 2in1 for removable restorations



Atlantis Hybrid for removable restorations

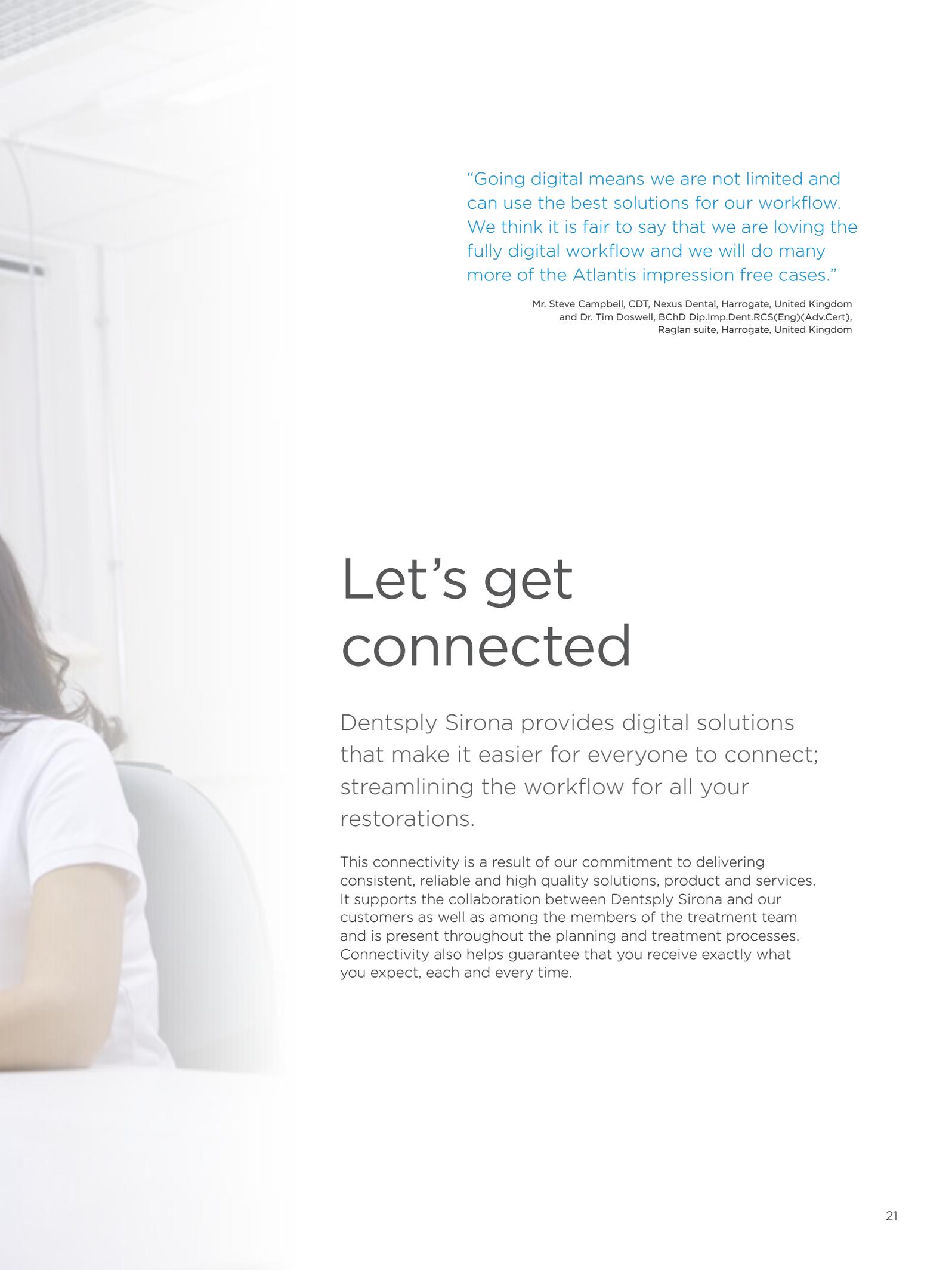


### Angulated screw access

Angulated screw access allows the prosthetic screw access channel to be angled up to **30 degrees** off the implant/abutment axis, for optimal esthetics and function.

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

## Let's get connected

Dentsply Sirona provides digital solutions that make it easier for everyone to connect; streamlining the workflow for all your restorations.

This connectivity is a result of our commitment to delivering consistent, reliable and high quality solutions, product and services. It supports the collaboration between Dentsply Sirona and our customers as well as among the members of the treatment team and is present throughout the planning and treatment processes. Connectivity also helps guarantee that you receive exactly what you expect, each and every time.



“Our dental laboratory has been restoring cases with Atlantis abutments for over 10 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 Simpl™ 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

# 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. This is why Atlantis patient-specific prosthetic solutions come with an exclusive and industry-leading comprehensive warranty program.

## Unique experience in design

Our confidence is based on our extensive design history and the delivery of more than one-and-a-half-million Atlantis abutments and more than half-a-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<sup>1</sup> for your added peace of mind.

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



### About Dentsply Sirona Implants

Dentsply Sirona Implants offers comprehensive solutions for all phases of implant therapy, including Ankylos<sup>®</sup>, Astra Tech Implant System<sup>®</sup> and Xive<sup>®</sup> implant lines, digital technologies, such as Atlantis<sup>®</sup> patient-specific CAD/CAM solutions and Simplant<sup>®</sup> guided surgery, Symbios<sup>®</sup> regenerative solutions, and professional and business development programs, such as STEPPS<sup>™</sup>. 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<sup>™</sup>, 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](http://www.dentsplysirona.com) for more information about Dentsply Sirona and its products.