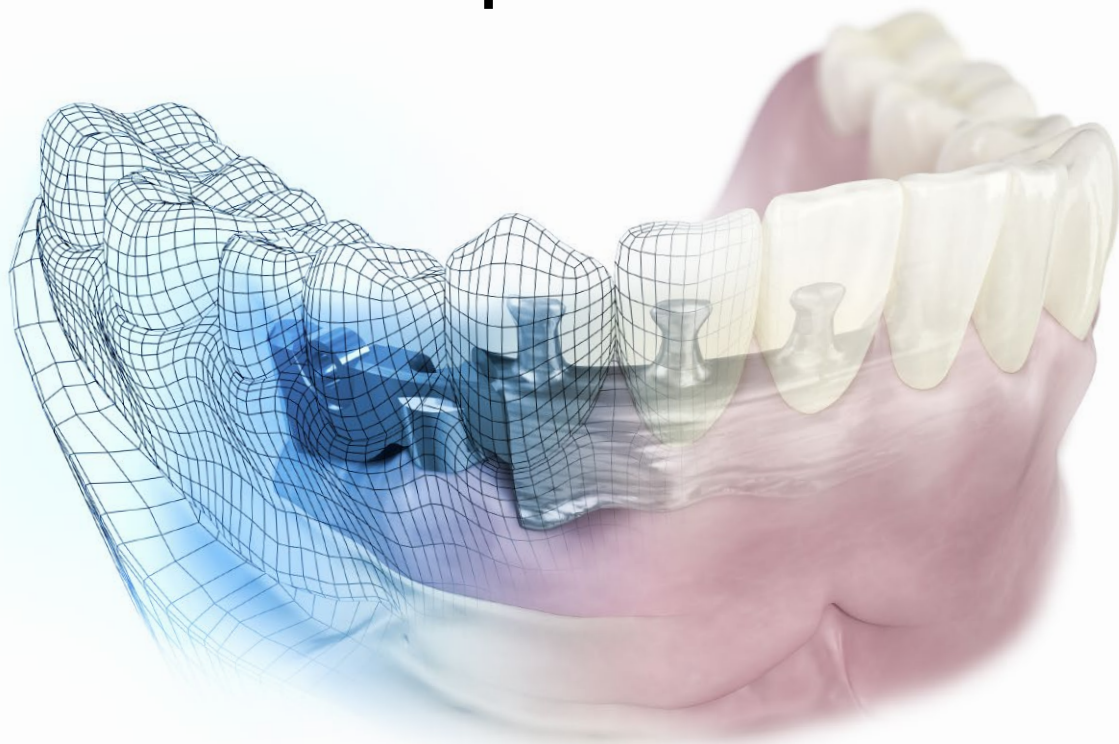


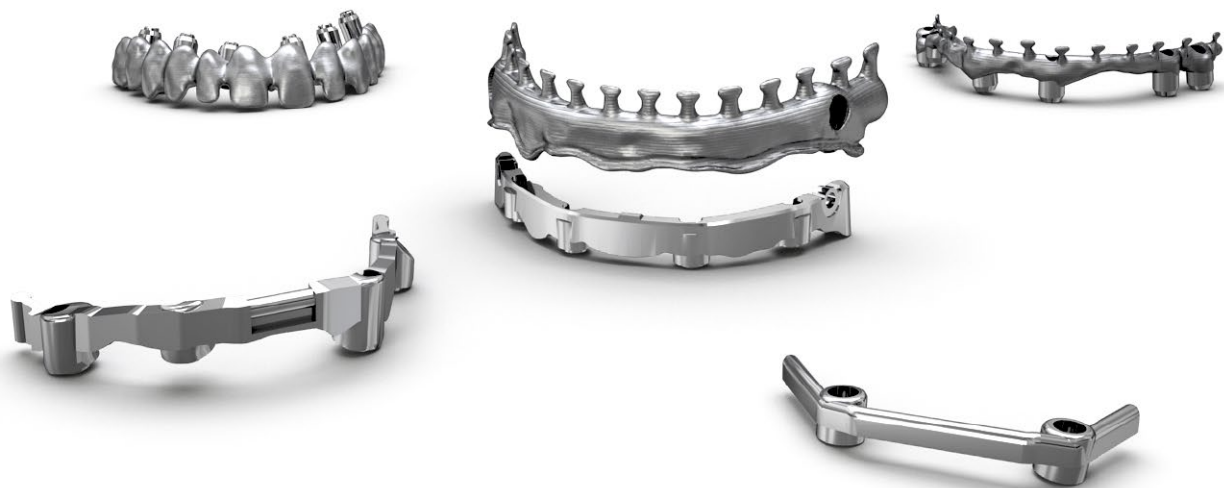
**ATLANTIS™**

For all major  
implant systems

# ATLANTIS™ ISUS – the benchmark for CAD/CAM suprastructures



**DENTSPLY**  
IMPLANTS



# Patient satisfaction meets clinical benefits


ATLANTIS delivers leading CAD/CAM patient-specific restorative solutions for all major implant systems: ATLANTIS ISUS offers a full range of implant suprastructures for fixed and removable dental implant prostheses; ATLANTIS abutments provides abutments for cement- and screw-retained prostheses, designed from the final tooth shape and an individual patient's anatomy.

ATLANTIS ISUS implant suprastructures are produced using the latest developments in CAD/CAM technologies, and are supported by computer based industrial and medical device expertise.

Unlike cast suprastructures, ATLANTIS ISUS implant suprastructures are milled from solid blocks of titanium or cobalt-chrome, eliminating the potential for a porous material.

Moreover, milling strategies for ATLANTIS ISUS implant suprastructures have been optimized to produce a precise and tension-free fit, as demonstrated by the University of Sheffield, UK, in accordance with the Sheffield fitting test\*.

\* White GE. The Sheffield fitting test. Osseointegrated Dental Technology 1993:61. Quintessence Publishing Co Ltd, London.

A large, abstract blue geometric shape, resembling a stylized star or a cluster of overlapping triangles, is positioned in the top right corner of the page. It has various shades of blue and serves as a background for the top right text.

## For all major implant systems

Visit [www.atlantisdentistry.com](http://www.atlantisdentistry.com)  
for a complete compatibility list.

### For clinicians

ATLANTIS ISUS offers freedom in designing patient-specific solutions for restoring partially and fully edentulous arches.

Compatible with all major implant systems, ATLANTIS ISUS is attached to two or more implants, on implant and/or abutment level\*. In addition, ATLANTIS ISUS solutions include options for both fixed and removable prostheses, using a wide range of attachment components.

#### Additional clinical benefits include:

- Wide flexibility in therapy and design for partially and fully edentulous patients
- Precision providing tension-free fit
- Available for all major implant systems
- Implant- and/or abutment-level placement\*
- Comprehensive 10-year warranty\*\*
- Available in titanium or cobalt-chrome

### For dental technicians

ATLANTIS ISUS expands a laboratory's clinical offering, as well as frees up valuable time and labor resources. Time formerly spent casting multi-unit suprastructures can now be used to create final esthetics.

ATLANTIS ISUS implant suprastructures are designed and produced according to the dental technician's specification. Suprastructures are only manufactured after the dental technician has approved the design in ATLANTIS ISUS Viewer.

#### Additional laboratory benefits include:

- More time for creating final esthetics
- Expanded laboratory offering
- Simplified and efficient online ordering process
- Reliable turnaround times
- Precision providing tension-free fit
- Available for all major implant systems

\* Implant-level placement is not recommended on ASTRA TECH Implant System and contraindicated on ANKYLOS

\*\* Terms and Conditions apply

# Suprastructures for optimal solutions

ATLANTIS ISUS implant suprastructures are patient-specific and designed from a diagnostic tooth set-up. Suprastructures are available in one of two materials: titanium or cobalt-chrome\*, and can be ordered with a high-gloss surface.

## Removable prostheses



### ATLANTIS™ ISUS 2in1

Provides primary and secondary suprastructures for a removable solution. The primary is fixed to implants, while the secondary attaches to the primary using friction, and additional retention elements. The secondary can be a hybrid or bridge suprastructure finished with custom teeth and denture resin.



### ATLANTIS™ ISUS Bar

Provides a suprastructure for removable dentures. Bars can be designed with extensions that follow the gingival profile. Moreover, they can include a combination of various attachment options. Both standard and custom-shaped bars are available, depending on case requirements.

## Fixed prostheses



### ATLANTIS™ ISUS Bridge

Provides a full-anatomical base for ceramic layering or composite layering techniques.



### ATLANTIS™ ISUS Hybrid

Provides a surface with retention elements that can be finished with custom teeth and denture resin.

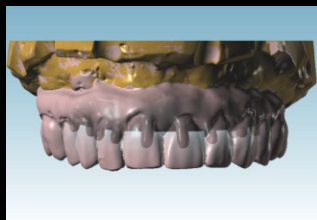
\*ATLANTIS ISUS 2in1 is only available in titanium

## Two in One

ATLANTIS ISUS 2in1 solution combines screw-retained stability with removable prosthetic convenience.



### ATLANTIS™ ISUS hybrid



CAD design of suprastructure and tooth set-up in ATLANTIS ISUS Viewer, for approval prior to milling.



Demanding cases, e.g., challenging implant positions, can also be solved with ATLANTIS ISUS.



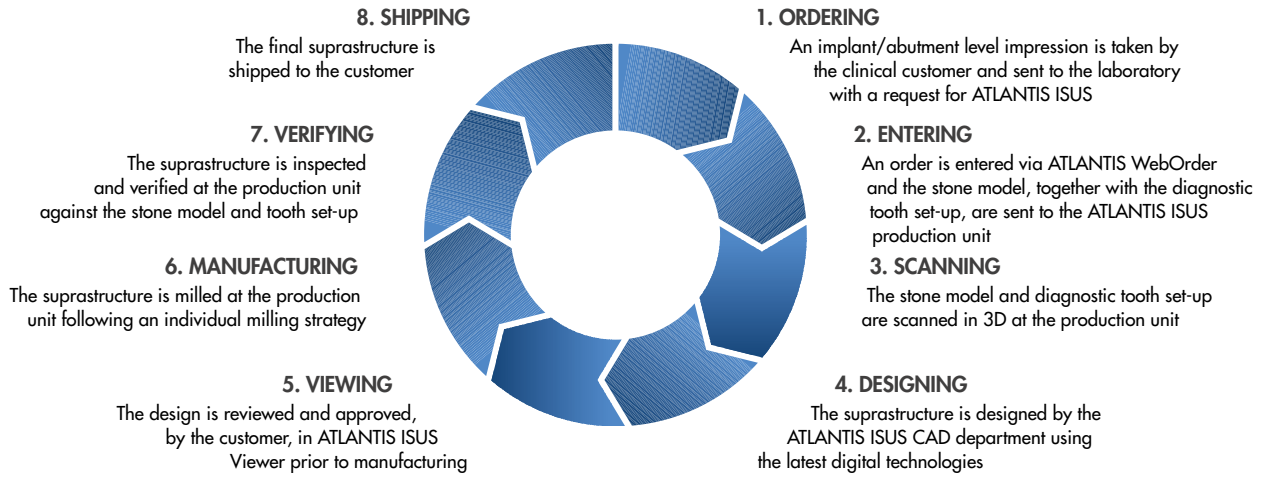
Final prosthesis ready for delivery to the clinic.



ATLANTIS ISUS implant suprastructure in place.

Case courtesy of Dr. Sadia Khan, University of Oslo, Norway and Svein Thorstensen, MDT, Dental Studio, Oslo, Norway

## Step by step

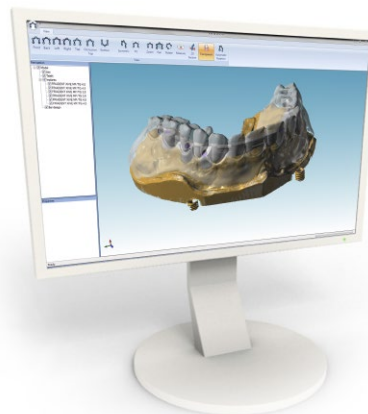


## ATLANTIS™ WebOrder

ATLANTIS ISUS implant suprastructures are ordered through the ATLANTIS WebOrder system. This offers many advantages, including:

- No need to install or upgrade software
- Entering order data is quick and easy
- No investment costs
- Ordering simplicity creates a consistent workflow
- Case data remains easily accessible via digital devices
- Available 24 hours, 7 days a week

## ATLANTIS™ ISUS Viewer



ATLANTIS ISUS implant suprastructures are milled only after review and final approval of the CAD design, in ATLANTIS ISUS Viewer.





## CAD/CAM expertise

ATLANTIS ISUS implant suprastructures are produced using the latest developments in CAD/CAM technologies and optimized, individual milling strategies.

# Precision and compatibility

The manufacturing facility and milling machines for ATLANTIS ISUS implant suprastructures are routinely quality controlled and inspected in accordance with quality systems regulations. Additionally, all suprastructures are verified and inspected before they are shipped from the production facility.

ATLANTIS ISUS implant suprastructures are compatible with all major dental implant systems, and are provided with corresponding ATLANTIS ISUS prosthetic screws. For the complete list of compatible implant systems, visit [www.atlantisdentsply.com](http://www.atlantisdentsply.com).

## REFERENCES published in peer-reviewed journals, supporting ATLANTIS ISUS:

Barbier L, Abeloos J, De Clercq C, Jacobs R. Peri-implant bone changes following tooth extraction, immediate placement and loading of implants in the edentulous maxilla. Clin Oral Investig 2012;16(4):1061-70.

Cash J, Andrus R. Implant suprastructures for the completely edentulous. Journal of Dental Technology 2011;May:26-30.

Kurtzman GM. The search for accuracy, durability and precision. Journal of Dental Technology 2010;February:9-12.

Tahmaseb A, De Clercq R, Wismeijer D. Computer-guided implant placement: 3D planning software, fixed intraoral reference points, and CAD/CAM technology. A case report. Int J Oral Maxillofac Implants 2009;24(3):541-6.

Tahmaseb A, van de Weijden JJ, Mercelis P, De Clercq R, Wismeijer D. Parameters of passive fit using a new technique to mill implant-supported superstructures: an in vitro study of a novel three-dimensional force measurement-misfit method. Int J Oral Maxillofac Implants 2010;25(2):247-57.

#### **About DENTSPLY Implants**

DENTSPLY 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 CAD/CAM solutions and SIMPLANT® guided surgery, regenerative bone materials, and professional development programs. DENTSPLY Implants creates value for dental professionals and allows for predictable and lasting implant treatment outcomes, resulting in enhanced quality of life for patients.

To learn more about ATLANTIS ISUS implant suprastructures, visit [www.atlantisdentsply.com](http://www.atlantisdentsply.com)

#### **About DENTSPLY International**

DENTSPLY International Inc. is a leading manufacturer and distributor of dental and other healthcare products. For over 110 years, DENTSPLY's commitment to innovation and professional collaboration has enhanced its portfolio of branded consumables and small equipment. Headquartered in the United States, the Company has global operations with sales in more than 120 countries.

