



AURORA[®] SYSTEM

Titanium Sintering



THE MOST COMPLETE TECHNOLOGICAL PARTNER FOR CLINICS AND DENTAL LABS

The world is advancing together with technology, opening up new lines of research at an ever-increasing pace. Step by step, Avinent has also been advancing, positioning itself at the cutting edge of digital dentistry as a leader of 100% digital workflow. A new paradigm to make the work of dentists and dental labs that much easier, with the shared goal of improving people's lives.

Today Avinent CAD CAM is the undisputed technological partner for those dentists and dental labs wishing to benefit from totally customized, exclusive and innovative solutions. In short, to drive the sector towards new, more efficient and natural reconstructions that respect patient welfare.

Strategic alliances with added value

Throughout its history, Avinent has focused on forging strategic alliances with leading brands and companies in the international market. Thanks to these partners and the latest technology available at the Avinent milling centre, the Avinent CAD CAM division is continuing its research to maintain its commitment to combining new materials, state of the art technology and its know-how.

An extensive platform of solutions

Avinent CAD CAM can provide digital solutions in all available materials for all implant brands and all kinds of scanners and design software, as well as the new possibilities offered by 3D printing. A wealth of possibilities to achieve totally customized solutions, as well as constant technical support, first rate client service and extremely rapid delivery times.

For Avinent the goal is clear: to continue providing clinics and dental labs with the most advanced solutions to resolve the aesthetic and functional challenges of this new era: dentistry 4.0.



THE MOST NATURAL SIDE OF 3D PRINTING

The complete titanium frameworks known as AURORA represent the revolution of 3D printing in titanium applied to the dental prosthetic sector and totally customized aesthetic solutions.

Avinent CAD CAM has developed this innovative structure to provide and widen the range of fixed prostheses available on today's market.

Our company has led this revolution and now it's helping us to drive change. Sign up for dentistry 4.0!



CHARACTERISTICS

- » Grade V titanium
- » High biocompatibility
- » Light structure thanks to the production method
- » Less rigid than conventional frameworks
- » Greater retention of coating materials

INDICATIONS

- » More than 4 implants (12 teeth)
- » Ideal for upper and lower full arch cases
- » Perfect for acrylics because the retentive areas can be customized (AURORA Acrylic)
- » Particularly suitable for reconstructions using soft materials

FRAMEWORKS AURORA®

AURORA frameworks use 3D titanium printing for the base structure and HSM for the implant connection. This production method provides the ideal surface roughness to retain coating materials. Its low rigidity ensures a better fitting and more comfort to the patient.

AURORA, ideal for three different types of reconstruction work

The main structure is designed so that laboratories can choose between three different solutions:

AURORA Premium

With the Premium solution, the main structure is in titanium with a milled upper anatomical structure to ensure a perfect fit.

AURORA Composite

The Composite solution completes the structure using a composite fluid. In this case the structure's rough surface enhances the material's adhesion.

AURORA Acrylic

The Acrylic solution allows laboratories to customise the retaining zones of the main structure so that acrylic teeth adhere much better, avoiding teeth from becoming loose later on.

Optimum, customized surface roughness

One of the key features of the AURORA system is the extraordinarily retentive capacity of the structure's rough surface. This optimises adhesion of the coating materials and means this solution has considerable advantages for laboratories and also clinics.



ADVANTAGES FOR LABORATORIES

- » Improved retention of coating materials
- » Retentive surface finish
- » Less fragile structure
- » Easy to handle
- » Less time required to finish



Milled connection: maximum precision

The structure's connections are HSM milled to ensure maximum precision. Avinent CAD CAM has a wide catalogue of connections available for this kind of structure and is continuously developing new geometries.



The ideal structure for soft materials

AURORA Premium frameworks are designed to be finished with soft materials. The complete anatomical structure can be milled and connected to the base structure or milled via individual pieces to make the work of clinics and laboratories that much easier.

* Materials recommended by Avinent®:
VITA ENAMIC®

VITA

ADVANTAGES FOR CLINICS

- » Less abrasion on antagonists
- » Soft tissue is easier to maintain
- » Individual pieces can be modified
- » Less practice time required
- » Patient comfort thanks to the use of soft, less rigid material

CLINICAL CASES

Consult all the
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