Biomimetic
Implants

AVINENT®
Implant System

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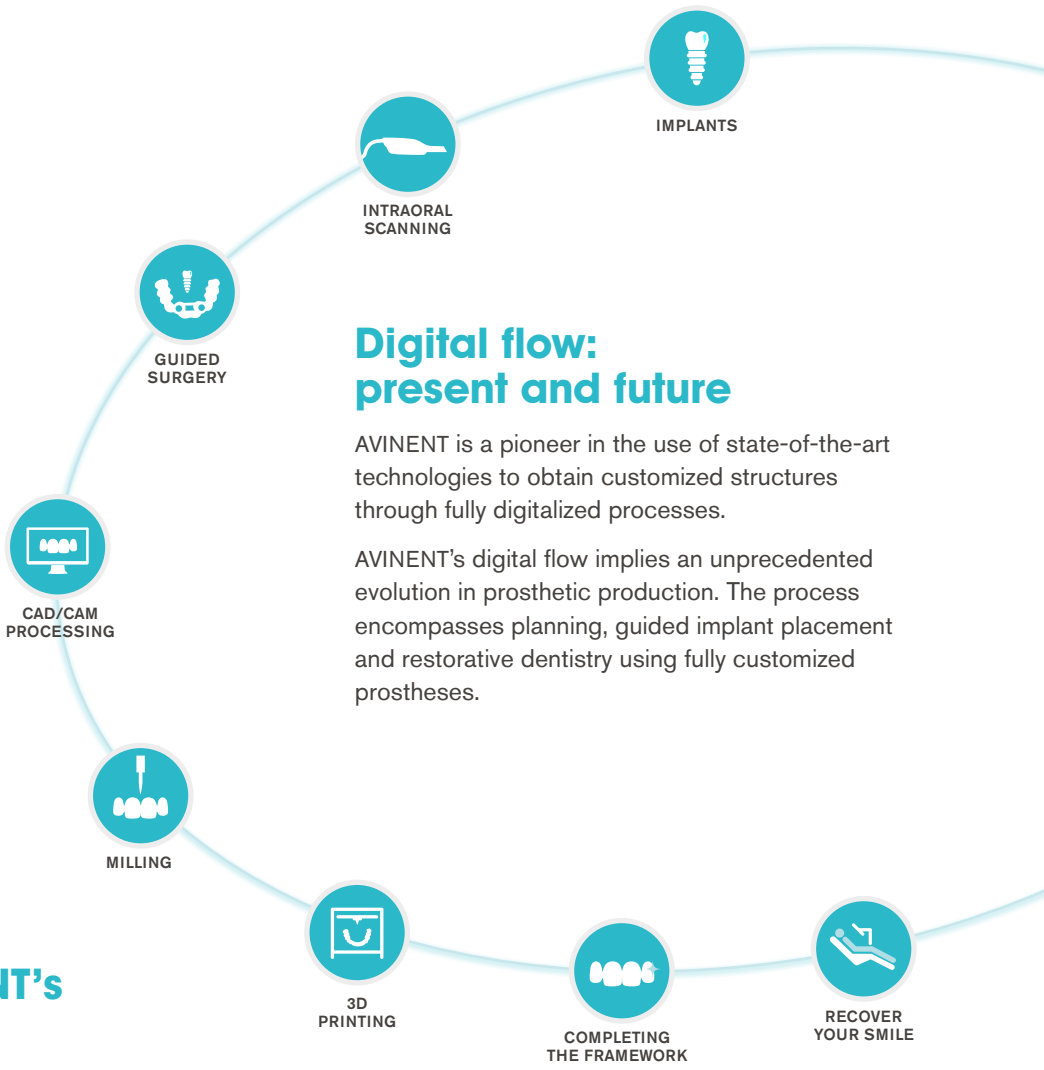
AVINENT's 100% digital flow offers completely versatile possibilities



Digital flow: present and future

AVINENT is a pioneer in the use of state-of-the-art technologies to obtain customized structures through fully digitalized processes.

AVINENT's digital flow implies an unprecedented evolution in prosthetic production. The process encompasses planning, guided implant placement and restorative dentistry using fully customized prostheses.

Research is AVINENT's raison d'être

AVINENT is supported by teams of researchers from different university centers of both national and international renown. With the collaboration of these scientific teams, AVINENT develops its products and carries out studies and tests that have served as the basis for its scientific documentation. Research and a willingness to anticipate future challenges are AVINENT's raison d'être.

New digital system: reliability and accuracy

AVINENT's digital flow offers completely versatile possibilities. The company can adapt to different requirements by using structures for all types of connections and guarantees compatibility with all major implant brands.

It also offers a fully personalized service with a delivery time of between 48 hours and 5 days.

The precision of the machined result of this process helps achieve a flawless passive fit of the prosthesis on the implants.

With this solution, AVINENT guarantees a perfect design in record time, including all quality standards and adapting to all requirements.

CORAL OCEAN ICEBERG PEARL

State-of-the-art implants

AVINENT has developed four implant systems, CORAL, OCEAN, ICEBERG and PEARL, with the revolutionary BIOMIMETIC ADVANCED SURFACE that facilitates optimal osseointegration and excellent aesthetic results.

AVINENT implants offer solutions for all types of treatments and indications. Thanks to their perfect design, they guarantee optimal preservation of peri-implant tissue and hence long-term predictability.

CONNECTIONS

Internal (IC), **external (EC)**, **conical (CC)** and **conical Iceberg (CC.I)**: maximum versatility in any placement protocol.

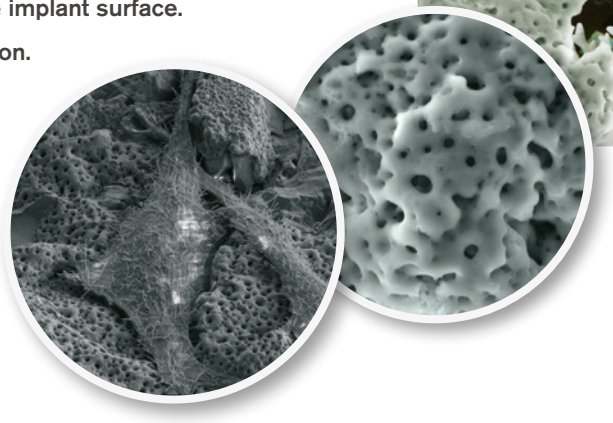
IC EC CC CC.I

The secret lies in nature

As a result of its ambitious research program, AVINENT has developed the BIOMIMETIC ADVANCED SURFACE, inspired by the biochemical processes that occur in nature. AVINENT carried out extensive research to create a surface that would speed up bone-implant interaction. The secret lay in nature, in the inclusion of **calcium** and **phosphorus** in the implant surface. These two chemical elements are found in our bodies and are essential to life.

BIOMIMETIC PROPERTIES THAT AID OSSEOINTEGRATION

- **Optimum structural roughness.**
- **Hydrophilic behavior of the implant surface.**
- **Induced bone cell generation.**



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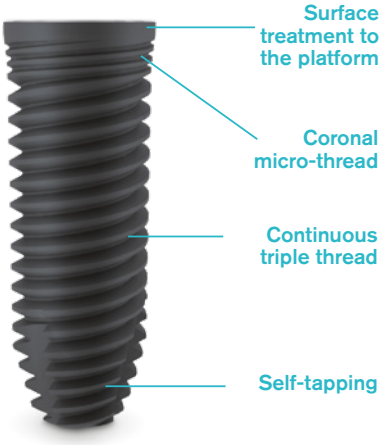
CORAL



AVINENT CORAL: Predictable and reliable

CORAL is the first implant system developed by AVINENT. These implants have proven their outstanding predictability and supreme reliability during the years they have been present on the market.

Their remarkable shape and innovative BIOMIMETIC surface aid optimal tissue preservation, giving excellent aesthetic results.

The insertion procedure for the system is extremely simple and features a surgical box with a highly logical layout, a very clear drilling sequence, and a practical color code.

- Three different tapers, which replicate the root of the tooth.
- Micro-thread neck, ensuring primary stability, distributing loads in an optimal manner, and reducing the stresses on the marginal bone area.
- Continuous triple thread, making insertion of the implant easy.
- BIOMIMETIC ADVANCED SURFACE, which increases the bone-implant contact (BIC) percentage and speeds up osseointegration.
- Self-tapping implants to facilitate the insertion and positioning of the implant.
- Features platform switching during prosthetic restoration, aiding the adaptation of soft tissues and ensuring an optimal aesthetic result.
- Available with internal and external connection.

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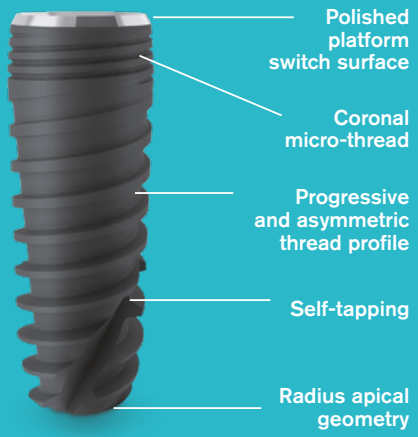
OCEAN



AVINENT OCEAN: innovative and stable

The OCEAN system adds to the range of AVINENT implants and is a new line that has all the innovative features of the CORAL implant, as well as new concepts to provide a solution to emerging surgical and prosthodontic needs.

The shape of the OCEAN system gives remarkable primary stability and bone preservation, as well as outstanding aesthetic results.

The surgical procedure for the OCEAN system is uncomplicated and extremely logical, and features a purpose-made surgical box with drills especially shaped to make the drilling procedure simple and precise.

- Shape adapted to the biological architecture of bone.
- Platform switching at positive angle with polished surface, aiding the adaptation of soft tissue and ensuring excellent aesthetic results.
- Micro-thread neck, improving bone-implant contact and the distribution of the stresses in the cervical zone.
- Progressive and asymmetric double thread, which enables the implant to adapt perfectly to the various areas of the bone, thereby guaranteeing its penetration capacity in the apical zone and compacting capability in the area of the body of the implant.
- Radius apical geometry that guides the entry and advance of the implant during insertion and which reduces the impact to the anatomical peri-implant structures at the apical level.
- BIOMIMETIC ADVANCED SURFACE, which increases the bone-implant contact (BIC) percentage and speeds up osseointegration.
- Available with internal and external connection.

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ICEBERG

AVINENT ICEBERG: versatile and effective

ICEBERG is AVINENT's new system, incorporating an implant into the current product range that's especially aimed at simplifying post-surgical treatments and improving the maintenance of soft tissue due to its polished collar at the level of the tissue.

The ICEBERG system offers a very simple and logical surgical procedure with a purpose-made surgical box and a simple, practical drilling procedure thanks to its color coding.

- Geometry adapted to the bone architecture.
- Anodized collar designed to imitate soft tissue as far as possible.
- Its sealed polished collar improves the preservation of the peri-implant tissue.
- Convergent, trans-mucous collar that boosts the formation of soft tissue around the implant.
- Micro-thread collar, improving bone-implant contact and the load distribution throughout the cervical zone.
- Progressive, asymmetric double thread, enabling the implant to adapt perfectly to the various areas of the bone, thereby guaranteeing its penetration capacity in the apical zone and its compacting capability in the area of the implant body.
- Radius apical geometry that guides the entry and advance of the implant during insertion and reduces impact on the anatomical peri-implant structures at the apical level.
- BIOMIMETIC ADVANCED SURFACE, which increases the bone-implant contact (BIC) rate and speeds up osseointegration.

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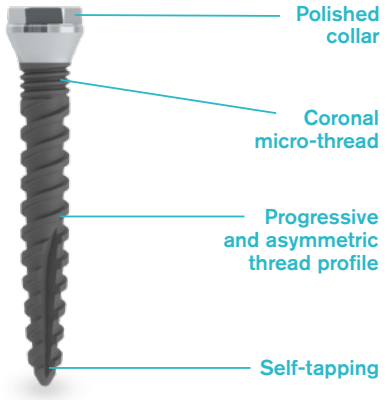
PEARL



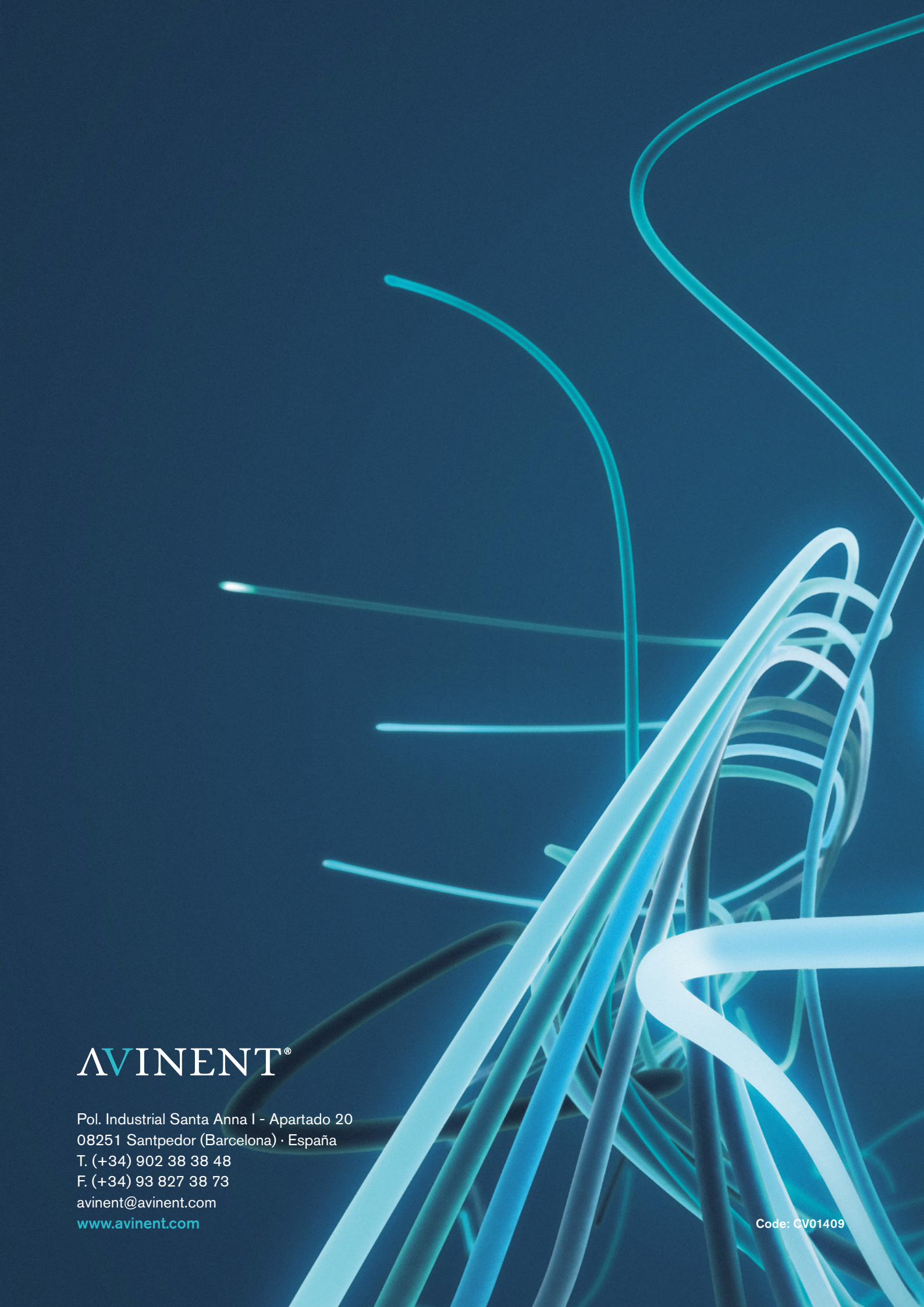
AVINENT PEARL: unique and resistant

PEARL is AVINENT's system of mini implants, an innovative product with unique features that aims to provide a quality alternative to what is available today as regards the range of solutions for removable, minimally invasive prostheses.

Its unique two-piece design makes it very easy to position the attachment and thereby control soft tissue. In addition, its polished collar is an ideal feature for unbeatable aesthetic results.

The PEARL system benefits from a single protocol and unprecedented versatility, in addition to having a very intuitive surgical procedure. The variety of attachment heights helps surgeons cover various gingival heights for a much more complete solution.

- Innovative two-piece design to help insert the attachment.
- Three different diameters, 2.0 / 2.4 / 2.8 mm, for a wide range of possibilities in all cases, maintaining the same platform in all diameters (3.0 mm).
- Polished collar for improved aesthetic results.
- Double progressive and asymmetric thread, which enables the implant to adapt perfectly to the various areas of the bone, thereby guaranteeing its penetration capacity in the apical zone and compacting capability in the area of the implant body.
- BIOMIMETIC ADVANCED SURFACE, which increases bone-implant contact (BIC) and accelerates osseointegration.
- Easy and intuitive milling protocol.



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