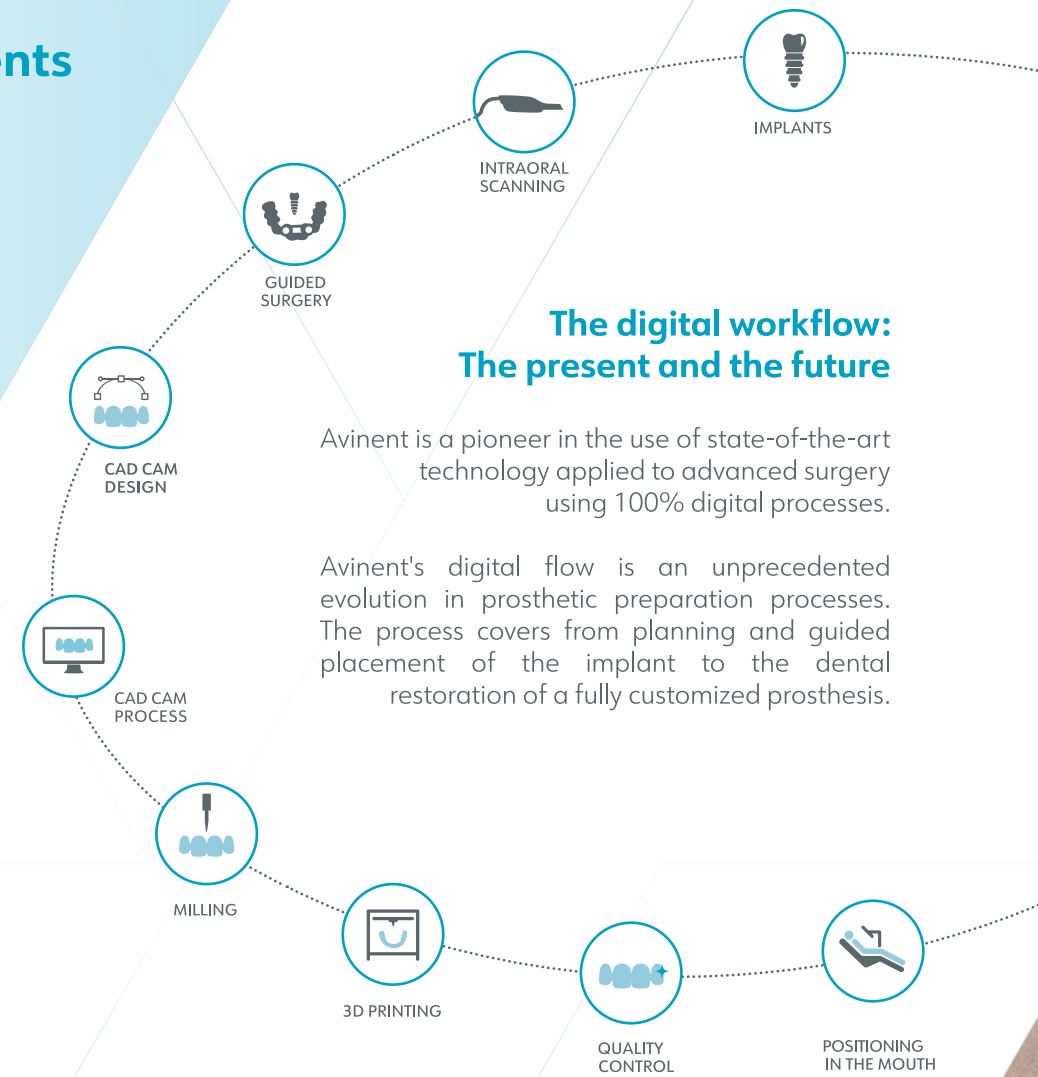


Revolutionizing surgery: Changing patients lives



Customization: the definitive solution

Having the technological ability and the human capital is key to enabling us to offer our customers the best solutions.

Customization, of both the guides and the final solution, for us is the definitive option for the whole clinical and dental sector. Working so that the patient obtains the best possible result, in terms of both esthetics and function, is our main objective; for this reason, we put a whole digital flow within your reach to ensure the treatment is a success.



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Advanced Surgery Solutions

Digitalizing the medical and dental sector

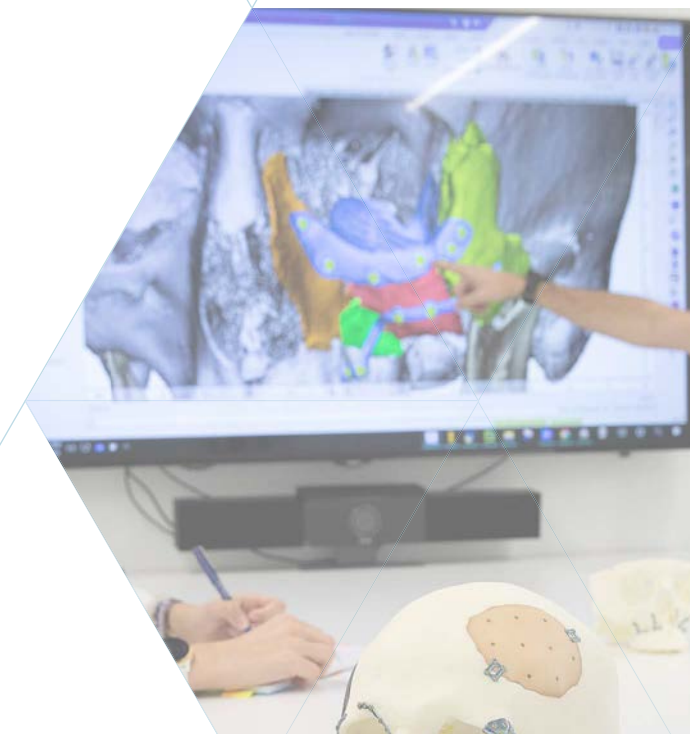
The medical and dental sector has experienced a paradigm shift. Digitization has made safer, more predictable and more reliable surgical processes possible. A step further in the digital workflow that greatly facilitates the task of the professionals and makes minimally invasive treatments possible with more predictable results.

- » We work with the best design software certified for medical use.
- » We have a multidisciplinary professional team, ready to plan surgery with you.
- » We use the best materials and our production processes ensure maximum precision.

Designed for the patient, placing them at the center

Precision and safety

Digitizing surgery, working with guides and co-working processes has brought maximum precision and safety to surgical protocols and implant insertion. This whole innovative process ensures the patient receives surgery and treatment that is as minimally invasive, aware and respectful as possible.



Surgical Guides

Coronal elongation Guides

These splints are designed to guide gingival cuts to improve the aesthetics of patients with height discrepancies in dental crowns.



Fenestrated Guides

Fenestrated guides are planned with the objective of guiding the clinician during the surgical procedure to open a window in the bone to access an impacted tooth or the maxillary sinus.



Tailoring to the needs of the surgery

Avinent surgical splints are made of Polyamide, which is a sterilizable material that provides guided solutions to different surgical situations. Our bioengineering team co-design the splints with the health professionals, thus achieving final aesthetic and highly functional results.

Corticotomy Guides

Splints designed to guide the cuts in the alveolar bone between the teeth in order to reduce their resistance to orthodontic movements.

Guided Surgery

More straightforward, more precise and more economical

One step further in the digital flow, this greatly facilitates implant insertion and improves the patients' post-operative period.



Available for partially and fully edentulate patients

The placement of dental implants using a surgical splint, tooth-supported or mucosal-supported retained by means of anchor pins, allows to obtain the final prosthetic result according to the initial design.

- Reliability and precision
- Minimally invasive
- Comfortable post-operative period
- Optimum esthetic result



Two types of surgery possible

Pilot surgery, where the direction and depth of the initial drilling is marked. Then the guide is removed and the standard surgical protocol is followed.

Complete surgery, where the whole sequence of drilling and implant insertion is guided, determining the direction and depth at each stage of the protocol.

- Technical support
- No initial investment
- Predictability of the result

Subperiosteal Implants

Designed to treat cases of severe maxillary atrophy

Avinent's titanium subperiosteal implants are fully personalized and adapted to the basal bone of cases with severe maxillary atrophy that are not candidates for a standard endosseous implant treatment.

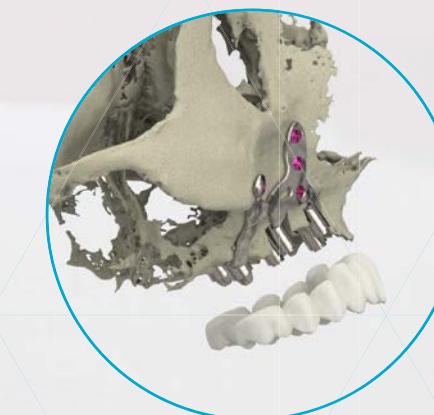
- Avoid large areas of bone regeneration
- Implant adapted to the patient's case
- Enables immediate provisional load

Advantages for the clinician

Customized subperiosteal implants are adjusted to the bone structure of each patient, anchoring in the best quality areas and allowing to passively join a fixed dental restoration to the connections of the titanium structure. It is designed to offer excellent aesthetic and functional results for the patient and to provide clinical safety by obtaining the results that have been planned.

Advantages for the patient

A treatment that improves the whole process, the surgery, the post-operative period and the patient's overall experience.



Bone Regeneration Mesh

For guided bone regeneration treatments

Titanium mesh with custom design adapted to the geometry of the defect and with great mechanical stability for the space maintenance in regeneration treatments.

- Maintenance of the space to be regenerated
- Mesh pattern adapted to each clinical case
- Manufactured with Grade 23 Titanium

Customized to the needs of the surgery

The co-design process between the clinician and a team of biomedical engineers allows you to customize the pattern of the mesh or design an occlusal barrier that fully adapt to the bone defect, which avoids manual manipulation of the mesh during surgery reducing surgical times and ensuring 100% compliance with the needs of the treatment

Design of mesh or occlusal barrier

The optimized thicknesses and the position of the fixing components favor the stable closure of the tissues.

