

BioHorizons Camlog Group

The foundational pillars of immediacy

There is a growing trend in implant dentistry that favours faster treatment times and single-stage surgery. These advantages must be achieved without compromising quality, predictability, or longevity. As a result, immediate implant placement and loading have become increasingly popular.

BioHorizons and Camlog aim to provide clinicians with the products, education, and support necessary to deliver high-quality immediate treatments through streamlined workflows.

The immediacy revolution

Immediate placement is a proven solution for missing teeth, offering high survival rates, favourable aesthetic outcomes, and low marginal bone loss or gingival recession, even in compromised sockets.[1] Many results are supported by follow-ups of up to ten years.[2]

In many cases, outcomes can be improved with hard- and soft-tissue augmentation, increasing buccal bone thickness and soft-tissue stability.[3] This is especially important in the aesthetic zone, where minor bone changes can affect results. Regardless of the situation, the aim remains to restore function and appearance.

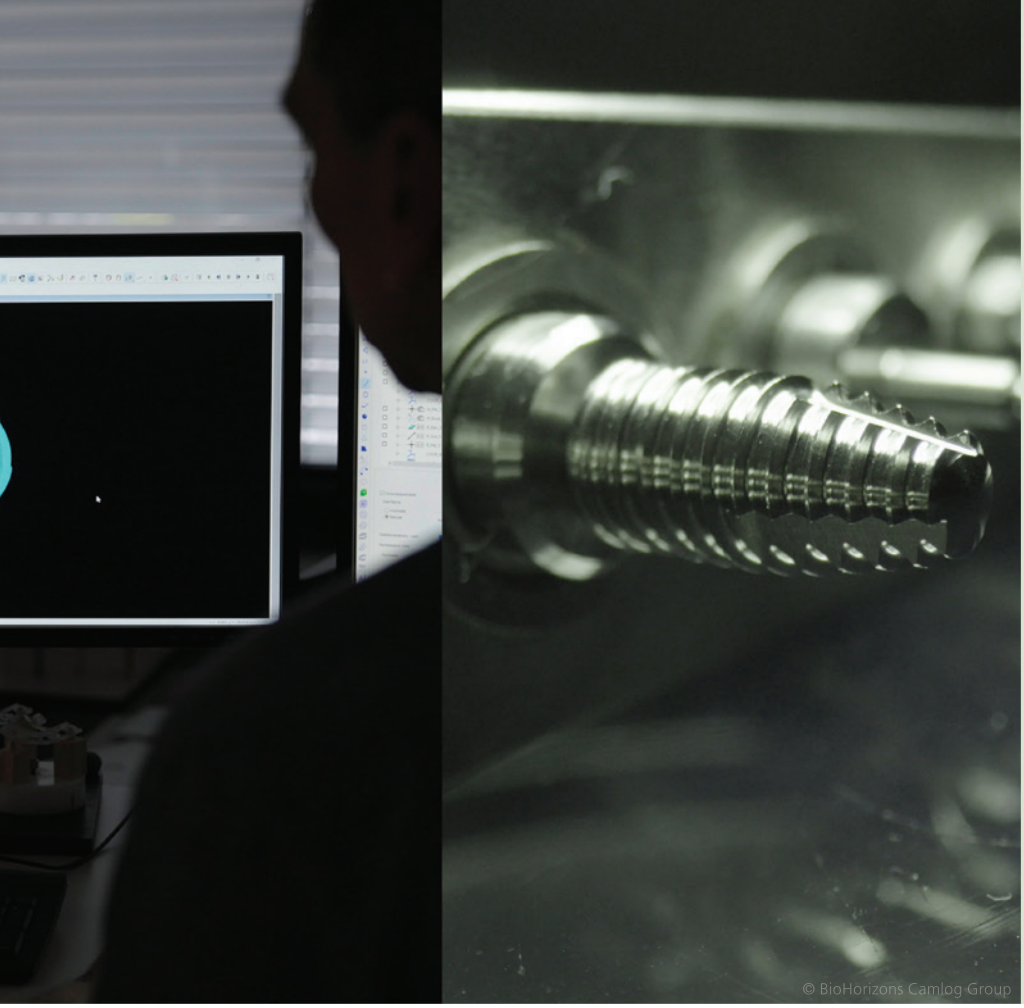
BioHorizons and Camlog support customers through product development, training, customer service, and science-backed solutions that enhance workflow efficiency.

Their two premium implant systems, the CONELOG® PROGRESSIVE-LINE and the Tapered Pro Conical®, are designed for quality, longevity, and usability. These systems are built on four core pillars:

1. Shape and design

BioHorizons and Camlog solutions are engineered by science, backed by research, and manufactured with precision based on data-driven findings. Every detail—from implant taper to collar height and thread design—is refined to support strong clinical outcomes across a wide range of indications.[4] Deep reverse buttress threads help deliver stability and promote bone health.

* The articles in this category are provided by the manufacturers or distributors and do not reflect the opinion of the editorial team.



The implants use high-grade materials—grade 4 pure titanium and titanium alloy Ti 6AL 4V ELI—to ensure high tensile strength, fatigue resistance, and biocompatibility.[5] Each component is developed to positively influence treatment outcomes.

2. Surface

The companies' implant surfaces are supported by extensive evidence. Camlog's PROMOTE® technology, a sand-blasted and acid-etched surface, maximises early bone contact and supports rapid osseointegration, essential for immediate placement. Studies demonstrate excellent survival and success rates.[6,7]

BioHorizons' Laser-Lok surface technology features 8-micron channels that create a connective tissue attachment and protect crestal bone. It is the only dual-affinity implant surface supporting both hard- and soft-tissue attachment.[8]

3. Stability

Stability is influenced not only by implant shape and surface, but also by the implant–abutment–restoration connection. The 7.5° deep conical connection enhances mechanical strength and sealing. Integrated platform switching and a cam system allowing six precise abutment orientations increase clinical flexibility and precision, helping practitioners achieve optimal implant positioning.

4. Overcoming challenges

A key challenge of immediacy is the technique. Clinicians should understand essential principles before using these protocols safely. BioHorizons and Camlog support this by collaborating with experienced clinicians to offer training that teaches strict procedural guidelines.

Regular engagement with key opinion leaders, customers, and the wider profession ensures the companies remain aware of clinical challenges. Feedback drives product development and strengthens support.

The companies also provide simplified workflows with straightforward drilling sequences to improve reproducibility. Their implant systems can be used across indications—from single-tooth cases to full-arch rehabilitation. A streamlined prosthetic platform reduces inventory demands. Surgical kits support both freehand and guided surgery, enabling immediate placement regardless of clinical preference. Digital technologies also support partial or fully digital workflows, offering flexibility. This simplicity forms the fourth pillar.

Always looking forward

BioHorizons' and Camlog's combined heritage underpins their quality and reliability today, but both companies remain committed to advancing implantology. They continue to refine their portfolio based on research and clinical feedback and regularly introduce new extensions. Continuous innovation remains central to their mission, ensuring they stay at the forefront of implant dentistry.

For more information about the portfolio, education, and support from BioHorizons and Camlog, please visit our website.

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