

INTRODUCTION TO THE BICON SYSTEM



**"An implant's
design
dictates its
clinical
capabilities"**



Bicon's Patented SHORT® Implants

The Bicon System is a unique dental implant system, offering the worldwide dental community a comprehensive solution since 1985.

Bicon's unique plateau design follows sound bioengineering principles which allow for the use of SHORT® Implants. Its unique bacterially-sealed, locking taper, implant to abutment connection provides for 360° of universal abutment positioning — *offering restorative flexibility unmatched by other implant systems.* The sloping shoulder of the Bicon implant consistently provides for gingivally aesthetic restorations. These restorations are easily achieved because the bone that is maintained over the shoulder of the implant provides support for the interdental papillae.

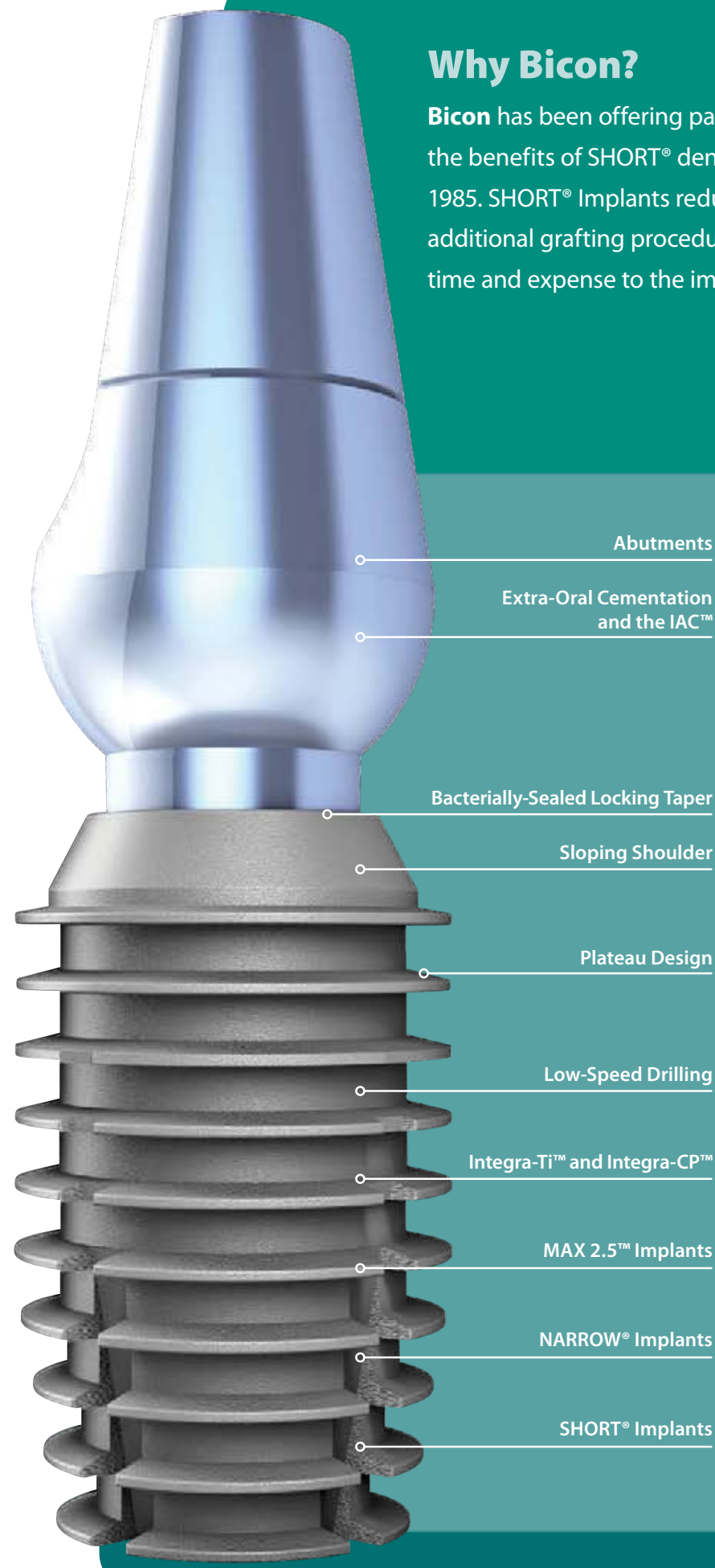
Bicon's unique design and its revolutionary clinical techniques have not only passed the test of time, but also continue to lead the field of implant dentistry. We welcome your joining Bicon clinicians from around the world, so that both you and your patients may also enjoy the clinical benefits of Bicon.

"Bicon implants have changed my practicing life. Out go screws, torque drivers and expensive special tools. In comes conventional prosthetics and the Bicon IAC™. The cost of implants to patients is now the same as bridgework, so the fee acceptance is not a problem. As the people at Bicon say, 'Simple. The way it was meant to be.' How true."

Clive Debenham, DDS

"I have been placing dental implants since 1982. I have successfully used the 6.0mm Bicon SHORT® Implant since 1997 in cases that would have required grafting procedures and, in some instances, even nerve repositioning. The Bicon SHORT® Implant provides implant treatment for patients who otherwise may not have gone forward with their treatment."

Clarence Lindquist, DDS



Why Bicon?

Bicon has been offering patients and dentists the benefits of SHORT® dental implants since 1985. SHORT® Implants reduce the need for additional grafting procedures which add time and expense to the implant procedure.

Abutments

Extra-Oral Cementation and the IAC™

Bacterially-Sealed Locking Taper

Sloping Shoulder

Plateau Design

Low-Speed Drilling

Integra-Ti™ and Integra-CP™

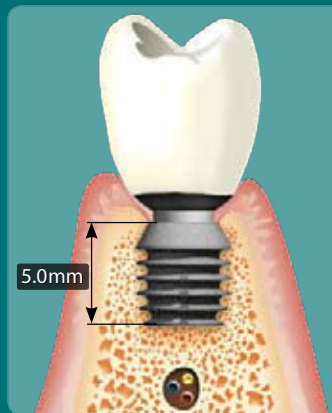
MAX 2.5™ Implants

NARROW® Implants

SHORT® Implants

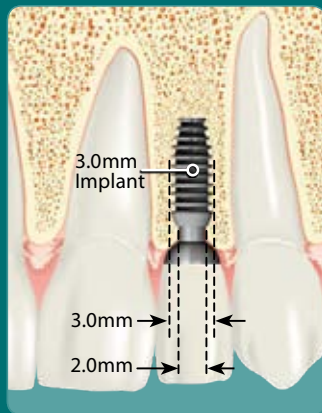
SHORT® Implants

When the Bicon system was first introduced in 1985, its 8.0mm length implants were considered short — *most other implants were at least 12–14mm and sometimes 18–20mm long!* Since then, the natural progression of Bicon's design philosophy has resulted in 5.0mm, 5.7mm, and 6.0mm SHORT® Implants, all with proven clinical success.



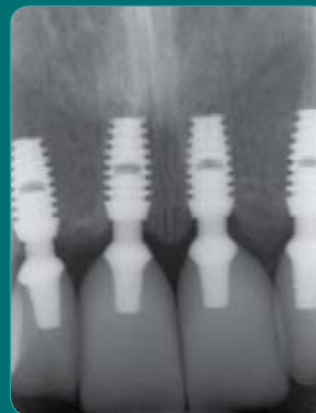
NARROW® Implants

The Bicon system has had a 3.5mm diameter implant since 1985 and recently introduced a 3.0mm diameter implant. These NARROW® Implants facilitate the restoration of missing maxillary lateral incisors as well as individual mandibular incisors. The sloping shoulder of the Bicon implant enhances crestal bone preservation while providing space for the interdental papillae — offering the opportunity for natural-looking gingival aesthetics.



MAX 2.5™ Implants

The MAX 2.5™ Implant has an enhanced locking taper connection that has been designed for maxillary anterior restorations. Advances in manufacturing capabilities have allowed Bicon to offer this innovation with a 2.5mm diameter internal connection providing greater retention.



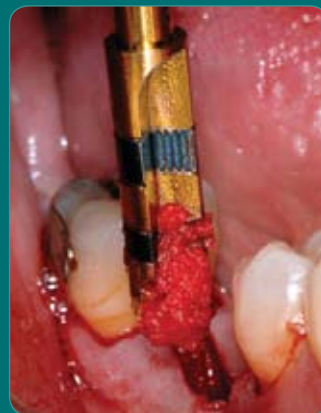
Integra-Ti™ and Integra-CP™

Since 1985, each Bicon implant has been grit blasted with alumina and passivated in a nitric acid solution. This innovative controlled surface is known as Integra-Ti™. Since 1988, the Bicon implant has been available with a calcium phosphate based treatment known as Integra-CP™.



Low-Speed Drilling

Since 1985, low-speed drilling at 50 RPM without irrigation has been the surgical protocol of Bicon. It allows a clinician to harvest the patient's own bone with titanium reamers for autogenous grafting. Slow drilling is forgiving and is unique to Bicon. Additionally, it greatly extends the longevity of the titanium reamers, thus reducing a clinician's costs.



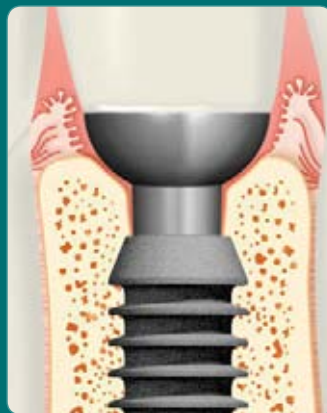
Plateau Design

The plateau or fin design offers at least 30% more surface area than a screw implant of the same dimensions, and allows for the callus formation of mature haversian bone between the fins of the implant. This cortical-like bone forms at a faster rate of 10–50 microns per day in comparison to the appositional bone around non-plateaued implants, which forms at a slower rate of 1–3 microns per day.



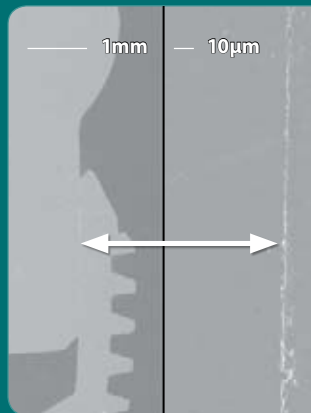
Sloping Shoulder

Bicon's sloping shoulder affords more flexibility at the time of implant placement and provides for impressive bone maintenance. It also provides more room for bone over the implant, which provides support for the interdental papillae, enabling aesthetic gingival contours to be easily and consistently achieved. Inherent in the Bicon design is platform switching — complete interchangeability of abutment diameters and sensible biological width.



Bacterially-Sealed Locking Taper

Based on a well known engineering principle, Bicon's 1.5 degree locking taper connection provides a proven bacterial seal at the implant to abutment interface, with a microgap of less than 0.5 microns. Bicon's bacterial seal avoids the microbial leakage issues that can result in inflammation of the soft tissue around an implant, which could lead to the loss of bone around the implant and even the loss of the implant itself. Bicon is the only system with a proven bacterial seal.



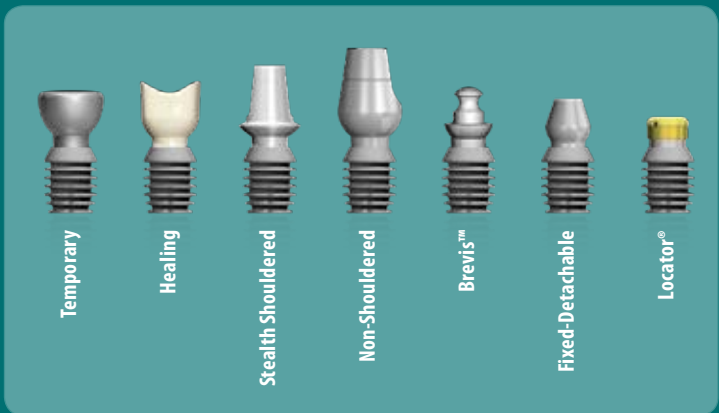
Extra-Oral Cementation and the IAC™

The Bicon Integrated Abutment Crown™ (IAC) is a screwless and fully retrievable restoration, which is only possible because of Bicon's 360° of universal abutment positioning. The seating of the Bicon abutment is not dependent upon the timing of a screw or faceted anti-rotational designs. The IAC™ affords the dentist a guaranteed aesthetic subgingival crown margin for every restoration, with no extra effort or expense for the dentist or technician.



Abutments

Bicon offers a complete selection of abutments: temporary, healing, stealth shouldered, non-shouldered, Brevis™ overdenture, fixed detachable for overdenture and CAD/CAM bar restorations, and Locator™ — providing for exceptional restorative flexibility and platform switching since 1985. All Bicon abutments are completely interchangeable, and all benefit from the unique 360° of universal positioning provided by Bicon's locking taper connection. Once clinicians appreciate what 360° of abutment positioning can do for their clinical practice, implant dentistry will never again be the same for them.



The Restorative Dentist

The Bicon System, with its 360° of universal abutment positioning and sloping shouldered implant, offers clinicians the ability to consistently provide gingivally aesthetic restorations. Bicon's restorative techniques can be conventional or revolutionary with the cementless and screwless Integrated Abutment Crown™ (IAC). Bicon restorative crown techniques routinely take less chairtime than those for natural teeth.

The Surgical Specialist

In addition to more predictable and versatile placement techniques, Bicon's design provides a bacterially-sealed implant to abutment connection. Bicon SHORT® Implants afford simpler and consistently more predictable treatments, which can significantly increase a patient's acceptance of implants.

The Patient

The Bicon System allows the dentist to consistently offer functional and gingivally aesthetic restorations to patients, so that they may truly enjoy implant prostheses that look and feel like natural teeth. Additionally, the odors and tastes associated with screws are avoided.

The Laboratory Technician

Many implant systems require the fabrication of expensive customized abutments. With the Bicon System, technicians receive a conventional or implant-level transfer impression from which a porcelain fused to metal crown, all-ceramic crown, or fixed and removable overdenture prostheses can be simply fabricated. For the ultimate in flexibility and aesthetics, Bicon's IAC™ is a revolutionary screwless and fully retrievable restoration without any discernible crown-abutment interface.

SHORT IMPLANTS



NARROW IMPLANTS



Avoid the Maxillary Sinus and the Inferior Alveolar Canal



7 Years



12 Years



7 Years



4 Years

Place Implants in Narrow Spaces



7 Years



2 Years



4 Years



2 Years



4 Years

Restorative Flexibility

Single and Multiple Crowns



8 Years

Overdentures



4 Years

Intra-Oral Bridge Fabrication



3 Years

Full Mouth Restorations



8 Years

Image courtesy of Paulo G. Coelho, Ph.D., New York University

Image courtesy of Zedonis Skobe, Ph.D., Forsyth Institute & Harvard University & Thomas G.H. Diekwisch, DDS, Ph.D., UIC College of Dentistry

The Bicon System



Bicon's IAC™ is a revolutionary screwless and fully retrievable restoration without any discernible crown-abutment interface.

PLATEAU DESIGN™

Bicon's plateau or fin design offers at least 30% more surface area than a screw implant of the same dimensions and allows for the callus formation of mature, cortical-like, haversian bone between the fins of the implant.

SHORT IMPLANTS™

Bicon's SHORT® Implants maximize implant placement possibilities and minimize the need for grafting procedures.

MAX 2.5™

MAXILLARY ANTERIOR IMPLANTS

Bicon's MAX 2.5™ Implants are designed for single or multiple tooth restorations in the maxillary anterior.

SLOPING SHOULDER™

Bicon's sloping shoulder affords more flexibility at time of implant placement and provides for impressive bone maintenance. It also provides more room for bone over the implant and enables aesthetic gingival contours to be easily and consistently achieved.

LOCKING TAPER™

Bicon's 1.5° locking taper provides a proven bacterial seal at the implant to abutment interface, virtually eliminating a micro gap — *less than 0.5 microns*. It also allows for 360° of universal abutment positioning.

NARROW IMPLANTS™

Bicon's NARROW® Implants facilitate the restoration of maxillary lateral incisors as well as individual mandibular incisors.

Since 1985 » Simple. Predictable. Profitable.

Bicon ■ 501 Arborway ■ Boston, MA 02130 ■ USA ■ www.bicon.com

Bicon Europe ■ 21 Peto Avenue ■ Colchester, Essex CO4 5WG ■ United Kingdom

EMAIL: sdebenham@bicon.com ■ TEL: 07917171535 ■ www.bicon.co.uk

bicon[®]
DENTAL IMPLANTS

COURSES & TRAINING

INTRODUCTORY

- ▶ SHORT® Implants: Practical and Advanced Techniques
- ▶ Introduction to Bicon

COMPREHENSIVE

- ▶ Surgical and Prosthetic Principles
- ▶ Hands-On Practical Course

LABORATORY

- ▶ IAC™ Laboratory Course

AUXILIARY

- ▶ Bicon Implants for the Auxiliary Staff

SURGICAL

- ▶ Clinical Observation Day
- ▶ Cartagena Surgical Course
- ▶ Sinus Lift Techniques
- ▶ Ridge Split Techniques
- ▶ Guided Bone Regeneration Techniques
- ▶ Practical Live Patient Care Course

SPECIAL TOUR COURSES

- ▶ Rome Practical Course
- ▶ Bicon Safari



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WORLD HEADQUARTERS

501 Arborway

Boston, MA 02130 USA

TEL 800.88.BICON ■ 617.524.4443

FAX 800.28.BICON ■ 617.524.0096

www.bicon.com ■ support@bicon.com

BICON EUROPE

21 Peto Avenue

Colchester, Essex CO4 5WG

United Kingdom

TEL 07917171535

www.bicon.co.uk ■ sdebenham@bicon.com