

# PRESS RELEASE | DENTSPLY FRIADENT

## **FRIOS®: Saves bone in autologous procedures**

For an optimum implant base of autologous bone

Mannheim, January 23, 2009 – **Augmentation with the patient's own bone is today still correctly referred to as the gold standard in dental implantology. DENTSPLY Friadent supplies the FRIOS® range of products, which have been specially developed for this form of augmentation. They have been in constant and successful use for many years now.**

**The FRIOS® MicroSaw is the heart of the system and is designed for use with autologous bone. It is ideally suited for preparation of bone blocks and bone flaps – fast, atraumatic and saves bone. Your reliable partner is the FRIOS® Unit S/i, specially designed for dental surgery. In combination with FRIOS® handpiece and contraangle handpieces the FRIOS® Unit S/i is perfect for comprehensive use in the fields of implant placement and augmentation.**

Almost every second implant placement today involves some form of augmentation. A predictable, optimum esthetic and functional result is the goal of every procedure. Augmentation with autologous bone is the best possible method of achieving this goal. Only material taken from the patient's own body can guarantee complete biocompatibility. This eliminates the danger of undesirable side effects, rejection reactions or contamination by the transplanted material. The only material placed in the organism is material originally taken from it.

The restoration of a defect with a bone graft can be planned beforehand and precisely designed. The osteogenic properties of the autologous bone ensure optimum regeneration. Large-scale grafts, such as on the alveolar ridge, can only be done reliably by grafting a bone block. The graft and the graft site can be shaped precisely for each other. With a cutting width of only 0.25 mm the FRIOS®

MicroSaw provides an extremely accurate, minimally invasive osteotomy line. This means that virtually no valuable bone material is lost. The rotating protector prevents injury to the soft tissue during bone harvesting. In contrast to augmentation material from other sources that have an osteoconductive and ideally also osteoinductive effect, autologous bone has the natural capability of osteogenesis, confirmed formation of new bone.

### **FRIOS® stands for optimum safety during surgery**

With a unique range of clinically proven and highly specialized surgical instruments and augmentation products, DENTSPLY Friadent has been an experienced and competent partner in the field of autologous bone regeneration for many years. The FRIOS® Unit S/i and the FRIOS® MicroSaw offer the best prerequisites for accurate, minimally invasive bone preparation. The clearly structured programs included with the FRIOS® Unit S/i are perfectly designed for the procedures used in implant surgery. Along with the FRIOS® handpiece and contra-angle handpieces it ensures outstanding handling and effective working in every surgical situation.

### **A perfect instrument set for accurate preparation**

The harvesting of autologous bone blocks requires experience and makes high demands on the final result of the treatment. The flexibility of the FRIOS® MicroSaw makes vertical and horizontal osteotomy easy – even under difficult anatomical conditions. FRIOS® handpiece and contra-angle handpieces are designed specifically for the FRIOS® Unit S/i. With ergonomic design and the head that can rotate in 90-degree steps (FRIOS® WS-75 contra-angle handpiece), the surgical site remains accessible at all times during bone preparation. The patented hexagonal clamping system ensures a smooth and continuous treatment procedure when using instruments with a hex connection. Rotary instruments cannot be blocked, which extends their service life.

The FRIOS<sup>®</sup> MicroSaw with a cutting width of only 0.25 mm produces the finest osteotomy line in the world and as a result operates virtually without bone loss. Harvesting of bone blocks is done in three stages: preparation with the microsaw blade at a maximum cutting depth of 3.5 mm, perforation with the drills, luxation with the dental chisels. The rotating protector prevents injury to the soft tissue. The FRIOS<sup>®</sup> MicroSaw is suitable for preparation of bone blocks and osteotomies and also preparation of bone flaps such as for apicectomy or cystectomy.

## **DENTSPLY Friadent company portrait**

DENTSPLY Friadent is the implant division of the American company DENTSPLY International, the world leader in the dental industry with over 9,000 employees in total. At its company headquarters in Mannheim, Germany, the implant specialist employs a staff of around 450 and is one of the most innovative and leading companies in its industry. The company is represented around the world with its own subsidiaries, DENTSPLY sister companies and dealers.

The functionally and esthetically sophisticated implant-based dental solutions allow people a self-confident and natural smile. With its brand implant systems ANKYLOS<sup>®</sup>, XiVE<sup>®</sup> and FRIALIT<sup>®</sup>, as well as its FRIOS<sup>®</sup> line of surgical instruments and bone replacement materials, DENTSPLY Friadent offers a comprehensive portfolio of dental prosthetic solutions with excellent clinical results. Alongside the strong product brands, the successful product range is rounded off with innovative technologies, such as computer-aided implantation with ExpertEase<sup>™</sup>, the surface technology FRIADENT<sup>®</sup> plus or zirconia technology CERCON<sup>®</sup> in association with the world market leader DENTSPLY, and a practice marketing and practice management program tailored to practices offering implantology under the *stepps*<sup>®</sup> service brand.

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### Publisher:

**DENTSPLY Friadent**, Friadent GmbH, Steinzeugstr. 50, 68229 Mannheim, Germany,  
[www.dentsply-friadent.com](http://www.dentsply-friadent.com)

### Editor / contact:

**Edelman GmbH**, Nadine Dusberger, Niddastr. 91, 60329 Frankfurt am Main, Germany  
Tel. +49 69 756199-43, Fax +49 69 756199-13, [nadine.dusberger@edelman.com](mailto:nadine.dusberger@edelman.com)