KEEPING YOU UP-TO-DATE

What's New at Alpha-Bio Tec?

AlphaBio TEC
Simplantology

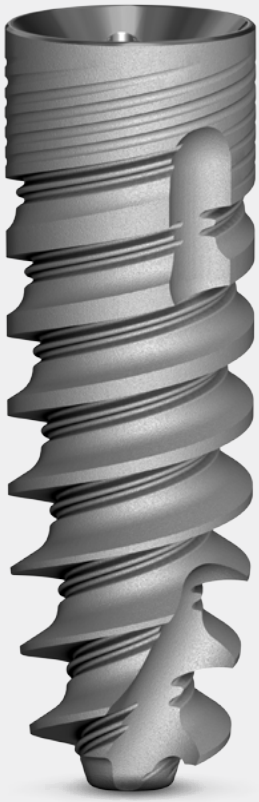
WHAT'S *New* WITH OUR **Implants?**

EXPERIENCE NeO TO FULLY UNDERSTAND HOW BRILLIANT IT IS!

New Launch!

NeO is the next generation of our original spiral implant. Based on 3 decades of proven clinical know-how, NeO implant would easily penetrate and navigate the osteotomy of all bone types while preserving the bone.

POWERFUL, YET REMARKABLY GENTLE TO THE BONE.



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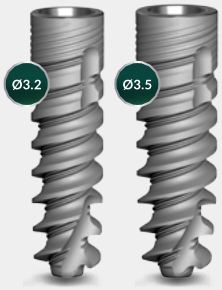
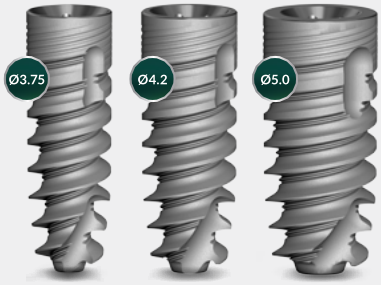
1 SMART CHOICE 2 CONNECTIONS

New Launch!

Conical Hex Connection (CHC)



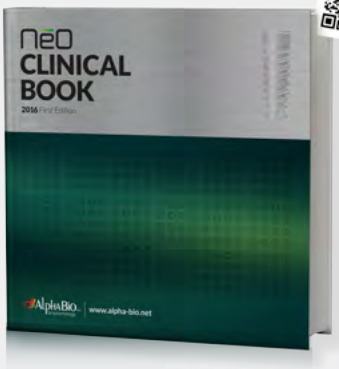
Internal Hex Connection (IH)



KEY BENEFITS

- Turns even the most complicated clinical cases into simple ones.
- Provides reliability and long term esthetic results.
- State-of-the-art patent pending design which combines innovative stress reduction elements and primary stability enhancers.
- Includes narrow and standard implant line with a choice of implant-abutment connection.
- Fully compatible with our current prosthetic parts and CAD/CAM restoration line.

Scan the code to view NeO's clinical book ▸▸



NeO IMPLANT SYSTEM

New Launch!

◂◂ NeO IMPLANT PACKAGE

New Addition!

Conical Hex Connection (CHC)
Grip drivers

New Addition!

Internal Hex Connection (IH)
Grip drivers

Hexagon on shank aligned all the way
Gingiva height marks
Implant level marking grooves
Durable grip feature
Driver centering pin for easy insertion

WHAT'S *New* WITH OUR **Surgical Tools?**

COATED DNT² STRAIGHT AND STEP DRILLS

New Addition!

- Designed to simplify the drilling process and enable dentists to be faster and more efficient.
- All drills have multi-layer dark grey coating, high contrast and clear depth marking.
- Single/double color-coded according to the drill type.

COATED STRAIGHT DRILLS ▸▸

New Launch!

COATED STEP DRILLS ▸▸

New Launch!

Scan the code for additional information ▸▸

SURGICAL KIT

New Design!

- Suitable for all procedures and implant systems.
- An improved ergonomic design enhances and simplifies the use of the tools.
- All drilling protocols' layout and content have been modified to three bone category classification: hard (type i), medium (type ii + iii) and soft (type iv).
- Can accommodate additional drills and has a dimension bar to measure drills' effective depth.

ONE KIT FOR ALL IMPLANTS

SINGLE HAND OPENING OPTION

COATED DRILLS

DIMENSION BAR

STOPPER KIT

New Launch!

Complementing our new coated drill line, the new stopper kit provides dentists with the confidence they need to perform an accurate osteotomy in a smooth and faster process, eventually reducing chair time.

- Each stopper is compatible with two drill diameters.
- Contains only 20 stoppers.

WHAT'S *New* WITH OUR
CAD/CAM and Guided Surgery Solutions?

AlphaBio's Digital | CadCam

ENHANCING OUR DIGITAL RESTORATION LINE

Scan to review our CAD/CAM line

SCAN BODIES

- Dual use scan bodies are now available for both intra-oral and lab use.

TI-BASES

- Two wide bases were added for each implant connection's cement-retained restoration line.
- Angled bases were added for both internal hex and conical hex connection.

SIRONA SOLUTION USING ALPHA BIO'S ORIGINAL PARTS

- A designated line of Ti bases and scan posts are now available to allow design and production of restoration parts with Sirona CAD/CAM system and final restoration with our original parts.
- Original Sirona's scan bodies should be used with Alpha Bio's scan posts and/or Ti bases for scanning.

PRE-MILLED BLANKS

- Available for both implant connections: internal hex and conical hex.
- Fit the Medentika PreFace holder.
- Available from the supported CAM system manufacturers.

AlphaBio's Digital | Guided Surgery

GUIDED SURGERY TOOL KIT (GSTK)

PLAN YOUR CASE WITH OUR IMPLANTS AND YOUR GUIDED SURGERY PLANNING SOFTWARE OF CHOICE TO ENSURE BEST ACCURACY AND PREDICTABILITY.

The new kit enhances dental professionals clinical and digital experience, enabling fully guided surgery workflow; from site preparation and osteotomy to guided insertion of the implants.

KEY BENEFITS:

- Ability to plan the case with Alpha Bio Tec implants and the dental professional preferred guided surgery planning software.
- The entire guided surgery procedure can be performed with the kit's drills and tools only.
- Modular content with visual sections providing clear indications of each step in the procedure.
- Two different sleeve diameters are available depending on the implant diameter used.

WHAT'S *New* WITH OUR **Prosthetics?**

EXTENDED SOLUTIONS FOR OUR CONICAL HEX CONNECTION NeO Ø3.2 , Ø3.5 AND NICE Ø3.2

New Addition!

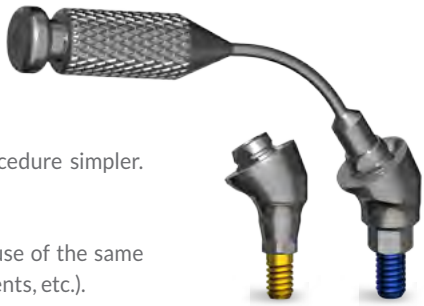
- Cement-retained restoration options including a wide range of straight, angled and casting abutments.
- AlphaUniverse multi unit screw-retained restoration options including straight abutments for up to 30° diversion between implants and angled abutments with 17° and 30°.
- AlphaLoc abutments with dedicated conical hex connection for an overdenture restoration option.

AlphaUniverse MULTI UNIT ABUTMENTS

NEW MULTI UNIT ONE-PIECE DESIGN

New Launch!

AN ADVANCED AND COMPREHENSIVE MULTI UNIT SCREW-RETAINED LINE FOR SINGLE AND MULTIPLE TILTED IMPLANT RESTORATIONS



KEY BENEFITS:

- One-piece design that makes the restoration procedure simpler.
- Wide range of cuff heights.
- Advanced abutment holder.
- Current platform remains the same, allowing the use of the same restoration parts (transfers, screws, healing abutments, etc.).

WHAT'S *New* WITH OUR **Biomaterials?**

BIOACTIVE BONE (XENOGRAFT)

An advanced line especially developed for bone regeneration procedures in reconstructive surgery. The combination of bovine bone matrix, bioactive resorbable polymers and cell nutrients promotes the growth of natural patient cells into the bioactive bone, which results in perfect osteogenesis.

BOVINE BONE MATRIX + CELL NUTRIENTS + BIODEGRADABLE POLYMERS = **BIOACTIVE BONE BOVINE (XENOGRAFT)**

COLLAGEN MEMBRANE

CLINICAL INDICTAIONS:

T-Gen Collagen Membrane is a collagen barrier intended for use during Guided Bone Regeneration (GBR) and Guided Tissue Regeneration (GTR) procedures as biodegradable barrier.

The package contains collagen membrane and sterile template to be used for trimming the membrane according to the particular need of the regenerative site.

WHAT'S *New* WITH OUR **Clinical Research?**

We, at Alpha-Bio Tec are constantly seeking to innovate and develop new products, based on collaboration with world renowned universities, clinics and investigators which are constantly involved with rigorous clinical research and provide evidence based practices to clinicians and patients.

The clinical research activities are conducted according to the global international standard ICH-GCP and the ICMJE (International Committee of Medical Journal Editors) requirements. Alpha-Bio Tec's clinical trials are registered on the NIH site: www.ClinicalTrials.gov. More information regarding our research activities can be found on our website.

Specifically, Alpha-Bio Tec's research portfolio is consisted of sponsor initiated and investigator initiated clinical studies, case reports and scientific and technical reviews involving implants, prosthetics and biomaterials.

WE ARE PLEASED TO PRESENT THE FOLLOWING SUMMARY OF OUR LATEST RESEARCH CONDUCTED IN 2016:

1

Ormianer Z., Matalon S., Block J., Kohen J.

Dental Implant Thread Design and the Consequences on Long-Term Marginal Bone Loss.

Published in: Implant Dentistry 2016, 25 Number 4, 471-477

The aim of this study was to compare long-term bone loss around dental implants with 3 different thread designs (DFI, Arrow and SPI). Survival rates and average bone loss were evaluated. Favorable long term bone loss results were found in implants with a larger pitch, deeper apical threads, and a narrower implant core (SPI). One-piece V-thread design implants (Arrow) demonstrated 100% survival rate.

2

Cohen O, Ormianer Z, Tal H, Rothamel D, Weinreb M, Moses O.

Differences in crestal bone-to-implant contact following an under-drilling compared to an over-drilling protocol. A study in the rabbit tibia.

Published in: Clin Oral Investig. December, 2016;20(9):2475-2480

The aim of the study was to compare bone-to-implant contact (BIC) between implants inserted at high torque (≥35 Ncm) due to under-drilling of the crestal bone to those inserted at low torque (<10 Ncm) due to over-drilling of the crestal bone. The study has found that over-drilling of the crestal aspect of the osteotomy may result in increased crestal BIC.

Scan to read more about our research

3

Kohen J, Matalon S, Block J, Ormianer Z.

Effect of implant insertion and loading protocol on long-term stability and crestal bone loss: A comparative study.

Published in: J. Prosthet Dent. June, 2016; 115(6):697-702

The purpose of this study was to compare the long-term outcomes of different implant insertion and loading protocols on crestal bone loss. The study has found that immediate, delayed and late insertion and loading protocols were found to have similar success rates for implant survival. In addition, analysis of the study groups revealed that SPI demonstrated less bone loss than DFI, regardless of the insertion and loading protocol.

4

Fienitz T., Moses O., Klemm C., Happe A., Ferrari D., Kreppel M., Ormianer Z., Gal M., Rothamel D.;

Histological and radiological evaluation of sintered and non-sintered deproteinized bovine bone substitute materials in sinus augmentation procedures. A prospective, randomized-controlled, clinical multicenter study.

Published in: Clin Oral Investig. April 30, 2016

The aim of this study was to compare two different xenogeneic materials, a sintered (ABT) and a non-sintered Xenograft bone substitute material, in sinus augmentations using histological and radiological analysis. Both examined xenogeneic bone substitute materials showed comparable results regarding new bone formation and height changes of the augmented sites and might be equally useful to support bone formation in the elevated sinus.

5

D'Alessandro D, Perale G, Milazzo M, Moscato S, Stefanini C, Pertici G, Danti S.;

Bovine bone matrix/poly (l-lactic-co-ε-caprolactone)/gelatin hybrid scaffold (SmartBone®) for maxillary sinus augmentation: A histologic study on bone regeneration.

Published in: Int J Pharm. October 18, 2016.

The aim of the study was to perform histological analysis of the new bone formation in patients that have been treated with Smartbone® for their sinus augmentation. The study has found that Smartbone® is osteoconductive, and promotes fast bone regeneration, leading to mature bone formation in about 7 months after bone implantation.

Products are available in selected countries only.

www.alpha-bio.net

AlphaBio TEC Simplantology