NEW PROSTHETIC COMPONENTS

Ti Golden® & Ti BLACK®
**Ti GOLDEN®, THE BTI PROSTHETIC COMPONENTS ARE EVOLVING TO IMPROVE THE QUALITY OF PROSTHODONTIC WORK.**

**Ti GOLDEN, A NEW COATING THAT IMPROVES THE AESTHETICS AND THE BIOLOGICAL INTERFACE BY DECREASING THE ACCUMULATION OF THE BACTERIAL PLAQUE.**

Yet again BTI's R&D department comes up with a new and efficient solution: The Ti Golden coating converts titanium into a material with a number of advantages.

**ADVANTAGES**

**GOLDEN FINISH**
- The golden colour of these prosthetic attachments with the Ti Golden layer achieves a better aesthetic, which is highly significant in transmitting a greater warmth to the gingival tissues.

**AT GINGIVAL LEVEL**
- Improved union between the hemidesmosomes and the new surface, improving the biological seal.

**IMPROVES THE ANTIMICROBIAL PROPERTIES**
- The bacterial colonisation decreases, therefore minimising the risk of periimplantitis.

(1) **CELL VIABILITY OF FIBROBLASTS**

(2) **BACTERIAL ADHESION TESTS**
(1) CELL VIABILITY OF FIBROBLASTS

AT GINGIVAL LEVEL. Ti Golden presents greater biocompatibility with the gingival fibroblasts.

BIOCOMPATIBILITY OF GINGIVAL FIBROBLASTS INCREASED GX1

![Graph showing cell viability comparison between Standard abutment and Ti Golden abutment.]

(2) BACTERIAL ADHESION TESTS

The adhesion of static bacterial, with strains of Staphylococcus aureus, measured at 15 and 30 minutes proves that it is lower in prosthetic attachments with the layer of TiN compared to normal Ti attachments.

“IMPROVED ANTIMICROBIAL PROPERTIES”

![Graph showing bacterial adhesion comparison between Standard abutment and Ti Golden abutment over time.]
PROSTHESIS DIRECTLY ON IMPLANT

INTERN AND EXTERNA CONNECTION
(Check platforms)

35 Ncm.

TRANSEPITHELIALS

INTERN AND EXTERNA CONNECTION
(Check platforms)
ADVANTAGES

· Greater preload for the same torque.
· Possibility of screws coming loose reduced to a minimum.
· Preload similar to gold, reducing the cost.
· Small hexagonal head to permit a smaller diameter of the prosthetic chimneys and thus improve the appearance.
· The lifetime of the screw is extended, as it is more resistant to fatigue.

The number of cycles of stress and fluctuating deformation that this material can withstand is much higher than that of conventional titanium and is comparable with gold.

NEW Ti BLACK® SCREWS WITH SURFACE TREATMENT. WE ACHIEVE THE PROPERTIES OF GOLD WITH THE ADVANTAGES OF TITANIUM.

The new Ti Black screws have a new tungsten carbide surface treatment that reduces the friction coefficient and improves glide. This gives them the same properties as gold in terms of pre-stress and resistance to fatigue.

Ti BLACK® COMPONENTS:

CONVENTIONAL HEXAGONAL SCREWS:

DIRECT TO IMPLANT RESTORATION

TTTH 35 Ncm.
TTUH 35 Ncm.
INTTUH 35 Ncm.

INDIRECT RESTORATION (UNIT - MULTI IM)

TTMIR 20 Ncm.

CADCAM SCREWS FOR ANGULATION CHANGE:

DIRECT TO IMPLANT RESTORATION

0 A 15°:
TTTHR 20 Ncm.
TTUHR 20 Ncm.

15° A 30°:
TTTH30 20 Ncm.
TTUH30 20 Ncm.

INDIRECT RESTORATION (UNIT - MULTI IM)

0 A 15°:
TTMIR 20 Ncm.

15° A 30°:
TTMI30 20 Ncm.
NOTE: consult your distributor for the availability of the product in the different markets.