bioloren®
metal free dental solutions

20°
1998 - 2018

TRILOR® BLANKS

Discs and Blocks for CAD/CAM

Hi-Tech Fiber-Composite Material for Dental Prosthetics
FDA-Approval for Permanent restorations.

Patented by Bioloren

CE 0546

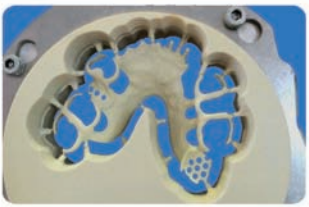
TRILOR® BLANKS

Hi-Tech Dental Fiber-Composite

TRILOR® developed by Bioloren S.r.l. is a new Hi-Tech Fiber Composite material consisting of epoxy resin matrix and a multidirectional glass fiber reinforcement. Epoxy-fiber-composite structures have become the material of choice in race cars, airplanes and many other fields where a combinations of hight strength, low weight, and fatique resistance are key requirements.
In the dental field this glass-fiber-composite technology was introduced by Bioloren more than 20 years ago when the company developed their first metal-free fiber root posts. As metal-free alternative TRILOR® is covering a wide range of indications as material for permanent and temporary dental restorations. TRILOR® is registered by the FDA for the US-market and has CE-mark for Europe.

TRILOR® Tecnical Data:

Colour:	white
Tensile strength:	380 MPa
Flexural strength:	540 Mpa
Compressive strength:	530 Mpa
Resilience:	300 KJ/cm^2
Modulus of elasticity:	26 GPa
Density:	1,8 gr/cm^3
Water absorption:	not water soluble
Min. wall thickness:	0,4 mm



TRILOR® Indications:

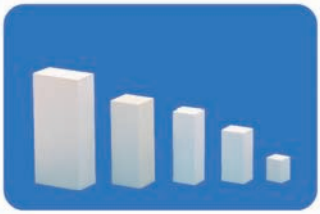
- Copings
- Substructures
- Frameworks for anterior or posterior crowns
- Bridges
- Telescopic restorations
- Bar attachments on implants
- Drilling guide for implant placement

TRILOR® clinical case

TRILOR® BLANKS

Milling Discs and Blocks

TRILOR® Hi-Tech Fiber-Composite are available as discs and blocks for a wide range of dental milling systems. The various discs come in a variety of thicknesses for cost and material saving milling processes.
For most of the dental milling systems standard procedures suitable for PMMA or the other composite blocks may be used. TRILOR® BLANKS may be milled also with a wet milling strategy.



TRILOR® BLANKS are available in many different dimensions, e.g.

98 mm Ø standard discs (thickness 10 mm - 25 mm). TRILOR® BLANKS are available also in discs and blocks for the most common milling systems.

TRILOR® BLANKS FOR DENTAL CAD/CAM TECHNOLOGY

- multi-purpose hi-tech fiber composite
- wide range of clinical indications
- perfect balance of high strength with physiological elasticity

TRILOR® THE MOST VALID ALTERNATIVE AND REPLACEMENT FOR METALS IN PROSTHETIC DENTISTRY

- No casting
- No galvanism in the mouth
- No oxidation or corrosion
- No thermal shock (due to low thermal conductivity)
- Excellent biocompatibility
- Light weight

TRILOR® clinical case

Bioloren S.r.l. - The Company

Bioloren was founded in Saronno, Italy, in 1998 with a prime focus on innovative, metal-free solutions for modern dentistry. With the development and production of cutting-edge medical devices the compay become internationally known and succesful with fiber glass reinforced root posts for the endodontic therapy. The development and production of TRILOR® BLANKS was influenced by the long technological and clinical esperience with their root posts. Till now 10 million posts sold. Processes and procedures at Bioloren are certified by UNI CEI EN ISO 13485, all products marketed are CE-certified, most products have also received (510)k registration. In matters of research and clinical application Bioloren holds a close cooperation with and international universities.

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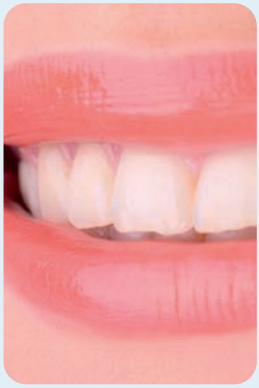

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