FIBER CAD Post & Core

Disks and blocks in fiberglass composite

angelus®

New product

The **perfect solution** for core in prosthesis

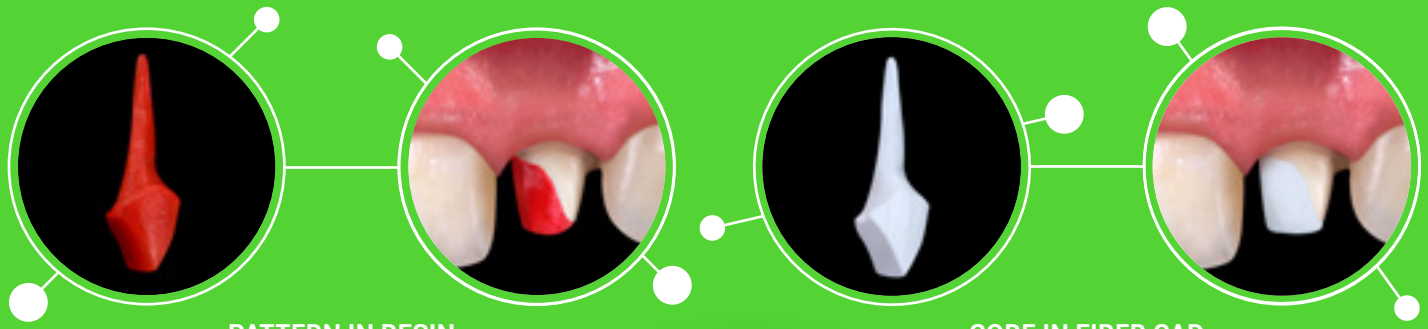
FIBER CAD - Post & Core

Disks and blocks in fiberglass for the preparation of anatomical and esthetic cores.

INDICATION

Preparation of anatomical and aesthetic fiberglass cores by the CAD-CAM system.

The core casting technique is upgraded to the CAD-CAM system using fiberglass.



PATTERN IN RESIN

CORE IN FIBER CAD

For systems Amann Girrbach, Zirconzahn, Wieland e Sirona

Merely illustrative images.

Images gently provided by Dr. Raphael Monte Alto

03/2023

3 reasons for you to indicate FIBER CAD - Post & Core

Time savings and convenience

Better return on investment

Innovative service

Advantages

Dental Surgeon

1. Aesthetics: facilitates the production of metal-free and ceramic laminated crown;
2. Strength: withstands mechanical forces near 1000 Mpa;
3. Retention: anatomical fit in root canal promotes high adhesion to the root canal;
4. Safety: modulus of elasticity similar to dentin's minimizes risk of root fracture;
5. Technical Simplicity;

• Same process of root canal preparation, similar to cast metal post technique;
• Easy cementation procedures with adhesive or zinc phosphate cements;
• Easy adjustments if compared to cast metal posts.

Dental Technician

1. Feasibility of CAD-CAM procedure faster and easier than casting process;
2. Excellent cost/benefit ratio if compared to cast metal posts;
3. Addition of a differentiated and innovative service to the laboratory portfolio.

Aesthetics

The cores in FIBER CAD - Post & Core, different from cast metal posts, have a similar color to the dentin, requiring no opacification in the manufacture of metal-free prosthesis such as ceramic laminated. It provides an easy technique and excellent aesthetic results in the prosthesis.

Safety

With a elasticity modulus similar to dentin, it withstands mechanical forces without overloading the root, minimizing risk of root fractures common with the use of cast metal posts.

Easy cementation

Preparation in the anatomical format of the canal results
in adaptation with mechanical bracing. It allows cementation by adhesive technique or cements based

Technical Data

Properties		Fiber orientation
Flexural strength	963,52 MPa	Perpendicular
Elastic Modulus in Flexion	25,7 GPa	Perpendicular
Water Absorption (ISO 10477)	3,65 µg/mm³	NA
Vickers hardness	155,4 HV	Parallel
	217,0 HV	Perpendicular

Simplified!

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43 9 9919 0244
+55 43 2101 3200

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