

# IDS 2025 NEWS

## CYTECpro

### pro LightTransmitting

The new **pro** root posts are a good addition to the EXATEC, CYTEC, and CONTEC root posts made of white opaque HT-Glassfiber, which have been proven in practice worldwide for over 20 years.

**pro LightTransmitting** throughout the entire apical post area for – optimized and shortened – primary curing of the composite, up to the tip of the root post. In a tightly timed schedule, the dentist gains valuable seconds to be able to proceed with the next step without losing time.

The new **pro** line features the same excellent properties, particularly in terms of stability and secure bonding with composite materials.

**High bending strength**

**High fatigue and fracture resistance**

**Homogeneity due to dentin-like modulus of elasticity**

**High radiopacity**

**Secure adhesion due to micro-retentive surface**

**With CYTECpro eco,**  
the particularly careful application of the adhesive system is essential, as CYTECpro eco does not have the mesh-like retentions.

## The utmost fatigue and fracture resistance

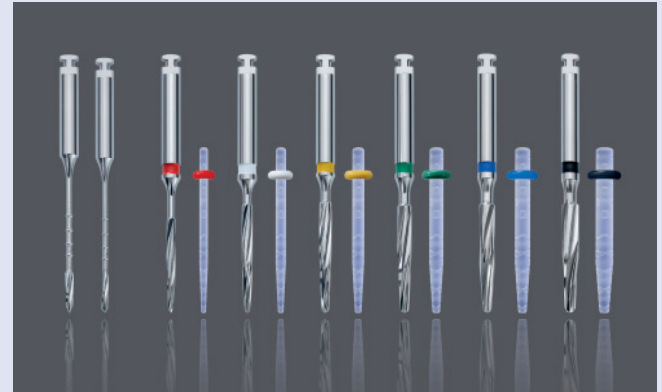
As our HT Glasfiber exhibits high bending strength they are very highly fatigue and fracture resistant. This was proven by the results of comparative scientific studies carried out in-vitro.<sup>1</sup>

During another study, CYTEC specimen attained an even higher fracture resistance value of 509 N (mean), and this, despite the fact that, where the composite tooth transition is concerned, the starting specimen only exhibited a »Perfect Margin before TCML« value of 72%. This value of 509 N was determined after simulating a period of 5 years in situ (TCML 6000 x 5°C/55°C, each 2 min,  $1.2 \cdot 10^6 \times 50$  N). In addition, a porcelain crown was fitted to these specimen (ferrule effect).<sup>2</sup>

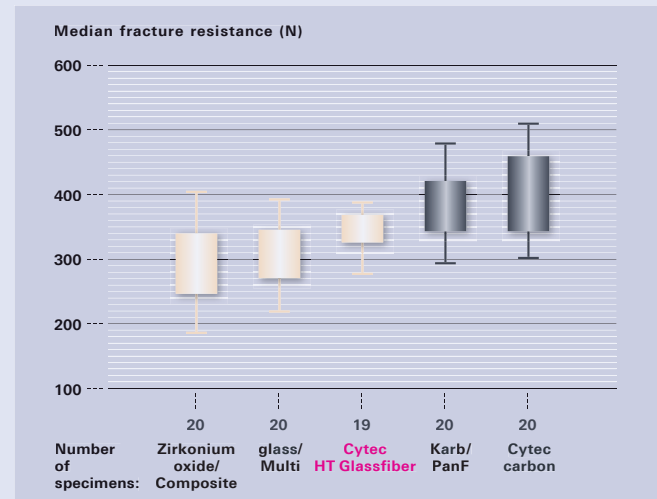
In comparison: Scientific studies indicate masticatory loading values of 30–80 N for premolars and canines and 150–250 N for incisors.

**1** Dr. med. dent. Katrin Babenhauserheide Untersuchungen zur mechanischen Belastbarkeit und zum Verlauf der Bruchflächen verschiedener Stiftstrumpfaufbausysteme nach künstlicher Alterung. Ergebnisse einer In-vitro-Studie unter standardisierten Bedingungen – Inauguraldissertation zur Erlangung der zahnmedizinischen Doktorwürde der Charité-Universitätsmedizin Berlin, 02.04.2004

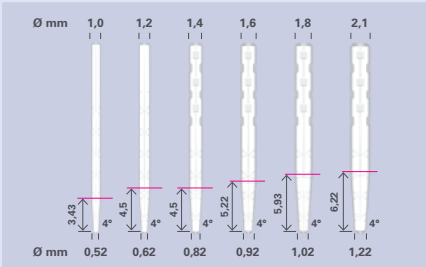
**2** Martin Rosentritt (Dipl. Ing. (FH))  
Fracture Strength of Fiber-reinforced and All-ceramic Post and Core Anterior Restorations  
Universität Regensburg 03/2003



**1** Results of a scientific study performed by the Charité Berlin<sup>1</sup>



Root posts made out of Glassfiber:  
Highest fracture resistance for Cytec: 348.8 N (mean value)



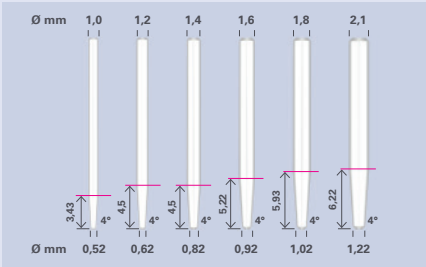
REF 43 800 CYTECpro, Standard Set  
All Sets are shipped in a SHIPPING BOX.

Refill Pack

| CYTECpro Root Post System                                                           |                                                                 |         | universal       | 1,0 mm     | 1,2 mm   | 1,4 mm   | 1,6 mm     | 1,8 mm   | 2,1 mm   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|-----------------|------------|----------|----------|------------|----------|----------|
|                                                                                     |                                                                 | Code    | –               | red        | white    | yellow   | green      | blue     | black    |
| Instruments                                                                         |                                                                 | pack.of | REF             |            |          |          |            |          |          |
|    | Preshaping Drill with guiding tip                               | 1       | 42 010          |            |          |          |            |          |          |
|    | Preshaping Drill with cutting tip                               | 1       | 43 000          |            |          |          |            |          |          |
|    | Calibration Drill                                               | 1       |                 | 43 00D10   | 43 001   | 43 002   | 43 00D16   | 43 003   | 43 004   |
| CYTECpro                                                                            |                                                                 | pack.of | REF             |            |          |          |            |          |          |
| Standard Set                                                                        | 2 Preshaping Drill univ.<br>6 Calibration Drill<br>22 Root Post | 1       | 43 800          |            |          |          |            |          |          |
| Test Set                                                                            | 2 Preshaping Drill, univ.<br>1 Calibration Drill<br>3 Root Post | 1       | 43 810          |            |          |          |            |          |          |
| ChangeOverSet                                                                       | 2 Preshaping Drill univ.<br>6 Calibration Drill                 | 1       | 43 800COS       |            |          |          |            |          |          |
|  | Root Post                                                       | 5       |                 | 43 80D10C5 | 43 801C5 | 43 802C5 | 43 80D16C5 | 43 803C5 | 43 804C5 |
|  | Root Post                                                       | 10      |                 | 43 80D10   | 43 801   | 43 802   | 43 80D16   | 43 803   | 43 804   |
| Organizer + System Box, empty                                                       |                                                                 | 1       | 10 010 + 10 001 |            |          |          |            |          |          |



# CYTECpro eco



REF 43 900 CYTECpro eco, Standard Set  
All Sets are shipped in a SHIPPING BOX.

REF 10 001 (empty)

| CYTECpro eco<br>Root Post System                                                    |                                                                 |         | universal       | 1,0<br>mm | 1,2<br>mm | 1,4<br>mm | 1,6<br>mm | 1,8<br>mm | 2,1<br>mm |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                                                                     |                                                                 | Code    | –               | red       | white     | yellow    | green     | blue      | black     |
| Instruments                                                                         |                                                                 | pack.of | REF             |           |           |           |           |           |           |
|    | Preshaping Drill<br>with guiding tip                            | 1       | 42 010          |           |           |           |           |           |           |
|    | Preshaping Drill<br>with cutting tip                            | 1       | 43 000          |           |           |           |           |           |           |
|    | Calibration Drill                                               | 1       |                 | 43 00D10  | 43 001    | 43 002    | 43 00D16  | 43 003    | 43 004    |
| CYTECpro eco                                                                        |                                                                 | pack.of | REF             |           |           |           |           |           |           |
| Standard Set                                                                        | 2 Preshaping Drill univ.<br>6 Calibration Drill<br>22 Root Post | 1       | 43 900          |           |           |           |           |           |           |
| Test Set                                                                            | 2 Preshaping Drill, univ.<br>1 Calibration Drill<br>3 Root Post | 1       | 43 910          |           |           |           |           |           |           |
| ChangeOverSet                                                                       | 2 Preshaping Drill univ.<br>6 Calibration Drill                 | 1       | 43 900COS       |           |           |           |           |           |           |
|  | Root Post                                                       | 5       |                 | 43 90D10  | 43 901    | 43 902    | 43 90D16  | 43 903    | 43 904    |
| Organizer + System Box, empty                                                       |                                                                 | 1       | 10 010 + 10 001 |           |           |           |           |           |           |

