

**NEW**

# Rodin™ TITAN



## Ceramic Nanohybrid Resin



Introducing **Rodin™ Titan**, Pac-Dent's latest ceramic nanohybrid resin designed for printing long-term full arch restorations and provisional hybrid dentures. Rodin™ Titan preserves the core composition of Rodin™ Sculpture – a class II ceramic nanohybrid with analogous ceramic filler content, but now features a substantially increased flexibility for enhanced impact strength.



### FEATURES & BENEFITS



Improved Flexibility



High Impact Strength



Improved Aesthetics



High Fracture & Wear Resistance



Matches Color of Dentition



Optimal Translucency



FDA 510K Cleared & Biocompatible

### APPLICATIONS



All on X



Denture Teeth



Veneers

#### Rodin Titan

- For high impact prosthetic indications: (All on Xs, screw retained dentures, full arch denture teeth)
- **Improved Flexibility:** Rodin™ Titan features a significantly reduced flexural modulus, providing exceptionally high impact strength
- Rodin Titan features analogous ceramic filler content to Rodin Sculpture
- Class II Ceramic Nanohybrid

#### Rodin Sculpture

- For single crowns, inlays, onlays, and veneers, denture tooth arches, all-on-x provisionals
- Rodin™ Sculpture features a Biaxial Flexural Strength of 175 MPa, and a Flexural Modulus of 8800
- Rodin Sculpture consists of over 50% ceramic filler content
- Class II Ceramic Nanohybrid

#### Rodin Sculpture 2.0

- For temporary and permanent fixed restorations
- Improved Strength: Rodin™ Sculpture 2.0 boasts an impressive Biaxial Flexural Strength of 200 MPa
- Sculpture 2.0 now consists of over 60% ceramic filler content, providing a substantial increase in strength and superior X-ray radiopacity
- Class II Zirconia-Infused Ceramic Nanohybrid



# Rodin™ TITAN

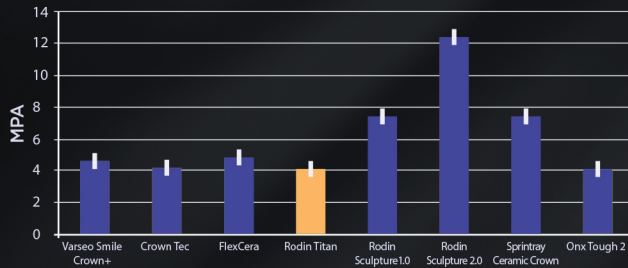
## Ceramic Nanohybrid Resin



“Congratulations to Pac-Dent for their continuous innovation. Rodin Titan's dynamic flexural modulus provides the flexibility needed for printing screw-retained prostheses and removable indications. I endorse Titan and the remarkable benefits it presents to clinicians and patients alike.

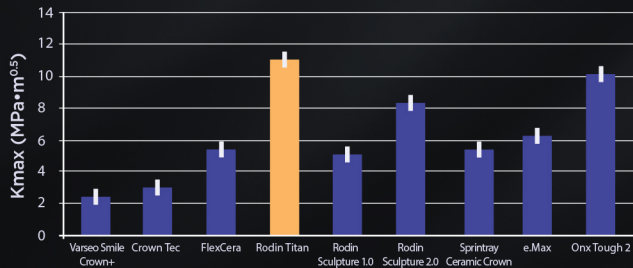
- Dr. Rick Ferguson DMD, DABO/ID, DICOI”

Flexural Modulus of Permanent Tooth Materials\*



Titan's low flexural modulus value indicates high flexibility and improved resistance

Fracture Toughness of Permanent Tooth Materials\*



Titan's high fracture toughness value indicates strong material resistance to fracture

\*Third party validation data provided by Dr. Russell Giordano of Boston University

ORDER INFORMATION			
Shades	1.2 Kg Bottle	600 g Bottle	300 g Bottle
OM1	24003	24004	24005
OM3	23985	23991	23997
A1	23987	23993	23999
A2	23988	23994	24000
A3	23989	23995	24001
B1	23986	23992	23998
C2	23990	23996	24002

Rodin Titan boasts greater flexibility than its other ceramic-nanohybrid counterparts. This lower flexural modulus value indicates that the material is more flexible, improving the fracture resistance of the printed restoration. Titan's higher fracture toughness makes it the ideal choice for high impact prosthetic indications.



COMPATIBLE PRINTERS: Pac-Dent has validated Rodin 3D Resin™ in workflows with these select printers.



Ackuretta SOL



Asiga® MAX  
(385 nm)



Asiga® Pico 2  
(385 nm)



Asiga® Pro 4K  
(385 nm)



Phrozen Sonic®  
Mini 4K



Shining 3D  
AccuFab-L4K



Shining 3D  
AccuFab-L4D



And More  
Coming  
Soon