

DR. RONALD GOLDSTEIN  
RESTORATIVE INSTRUMENTS



**Hu-Friedy**

## INTRODUCTION BY DR. RONALD GOLDSTEIN



In the mid-1960s, I was asked by Dr. Michael Buonocore, co-developer of the first composite resins, to help create esthetic techniques for the material. However, the instruments I had to work with were too bulky, inadequately shaped, and too thick. This led to my designing new much more ergonomic composite instruments with extremely thin blades that could be utilized subgingival as well. Throughout the years, I have continued to create more efficient

operative instruments such as abutment protective crown removers and more recently reverse composite carvers for more ease in contouring posterior composites. The goal of all these instruments is the same—to help you be more artistic, efficient, and productive.

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## POINTS OF PERFORMANCE

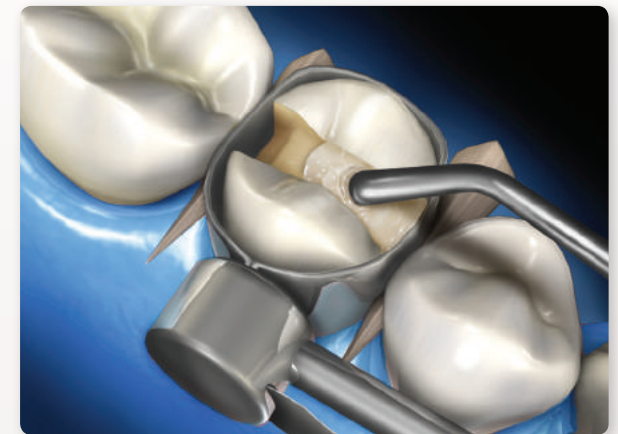
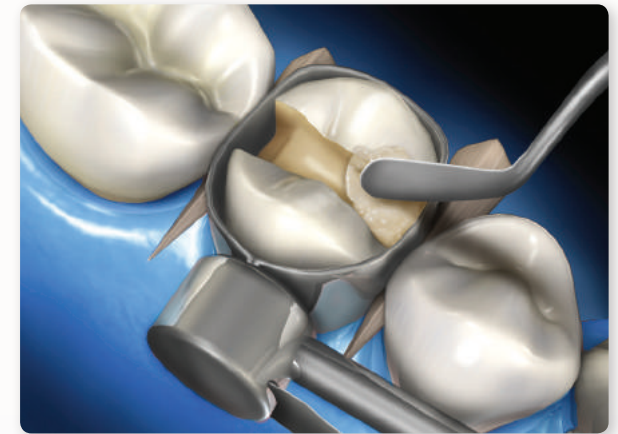
**Exclusive Aluminum Titanium Nitride Coating (AlTiN)**  
Creates an extremely hard, smooth surface that resists scratches and sticking.

**Distinctive Black Finish**  
Offers enhanced contrast between instrument, tooth structure and composite material. The black finish will not flake or discolor the restoration.

**Unique Smooth, Large, Lightweight Handle Design**  
Easy clean-up, maximum comfort, reduced hand fatigue\* and an increased level of control.

**Quality Craftsmanship/Variety of Designs**  
Satin Steel XTS instruments offer unsurpassed performance and an extensive assortment of designs for all composite placement needs.

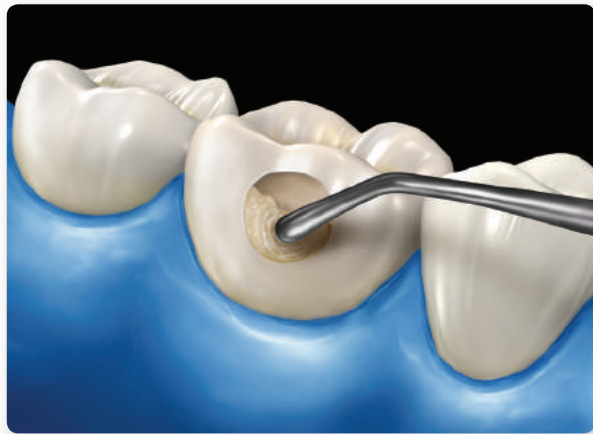
Advanced technology and innovative design have enabled Hu-Friedy to produce a superior instrument—one that allows for perfect non-stick placement of composite materials without discoloring the restoration. Aluminum Titanium Nitride (AlTiN) coating creates an extremely hard, smooth surface that resists scratching and sticking. The large, lightweight handle design is easy for clean-up while providing maximum comfort and control.



#1  
**TNCIGFT1**

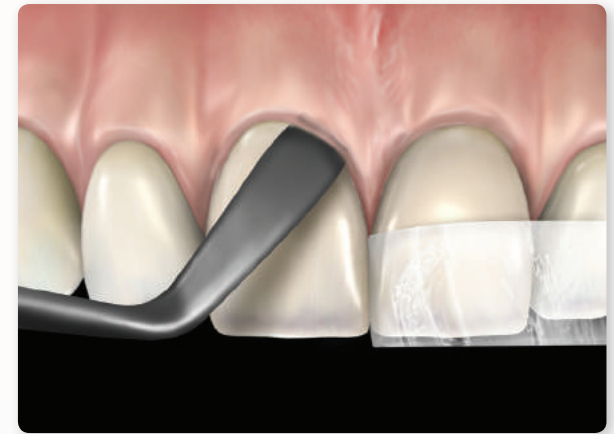
Small universal style with rounded plugger tip and a narrow paddle for initial placement and contouring of Class I, II and III restorations.

\*Gerwatowski, L.J., McFall, D.B., Stach, D.: Carpal Tunnel Syndrome; Risk Factors and Preventive Strategies for the Dental Hygienist. Journal of Dental Hygiene, February 1992.



#2  
TNCIGFT2

Small universal style with rounded plunger tip and a narrow paddle for initial and final placement and contouring of Class I, II and III restorations.

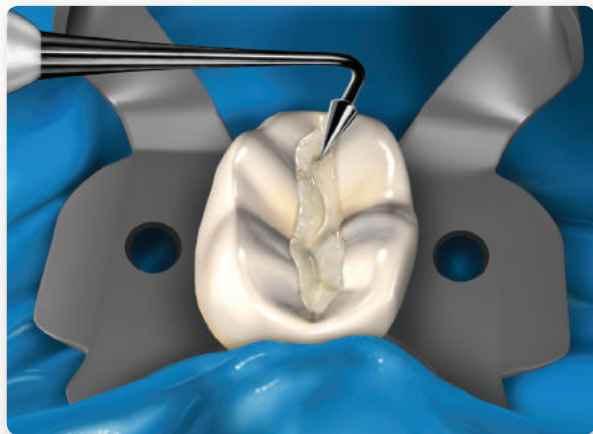
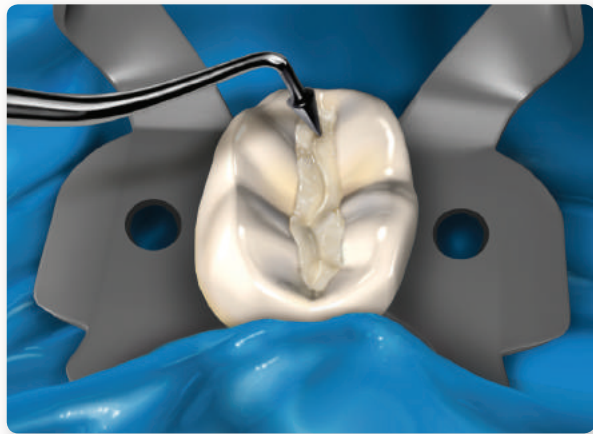


#3 Extra-Flex  
TNCIGFT3

Flexible, reversed, flared paddle design for shaping and placement of Class III and IV and V restorations. The thinness of the paddles allow for easier subgingival margin finishing.

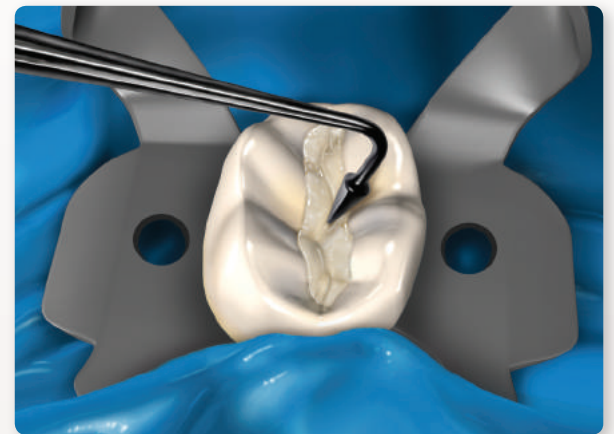
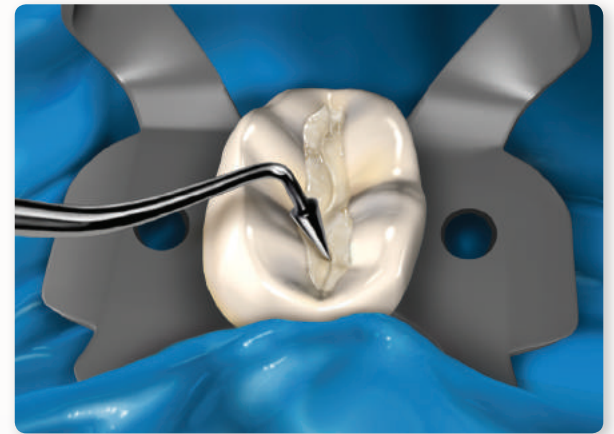






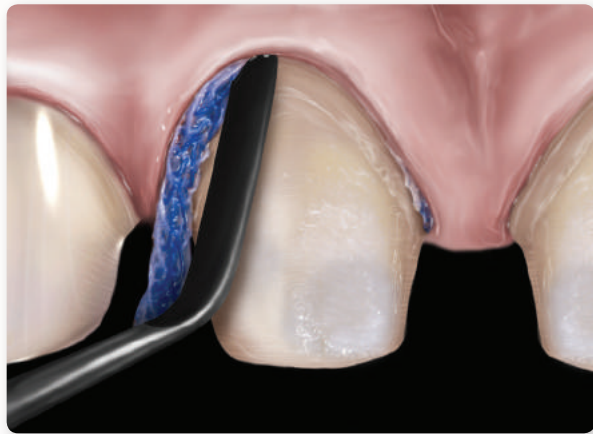
#5 Composite Carver  
TNCIGFT5

Small reverse angle tips make it much more efficient to place fissures, grooves and pits creating the ideal occlusal anatomy in hard-to-reach posterior areas.



#6 Composite Carver  
TNCIGFT6

Large reverse angle tips make it easy to place fissures, grooves and pits creating the ideal occlusal anatomy in hard-to-reach posterior areas.



Mini 3 Extra-Flex  
TNCIGFTMI3

Mini version of the TNCIGFT3. Can also be used for packing gingival retraction cord especially because of the thinness of the paddle.



Mini 1  
TNCIGFTMI1

Mini version of the TNCIGFT1 for small pits and fissures, tunnel preparations or minor tooth defects on lower anteriors. The small rounded end is also useful for condensing in deep Class II restorations.



Mini 4 Extra-Flex  
TNCIGFTMI4

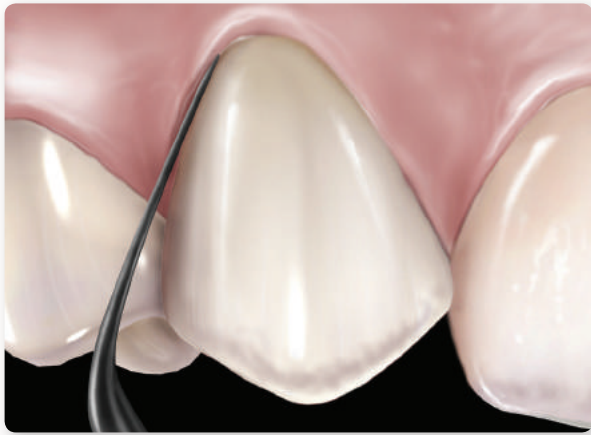
Mini version of the TNCIGFT4 for placing and shaping material in difficult-to-access mesial and distal posterior restorations.



Micro-Mini  
TNCIPCS

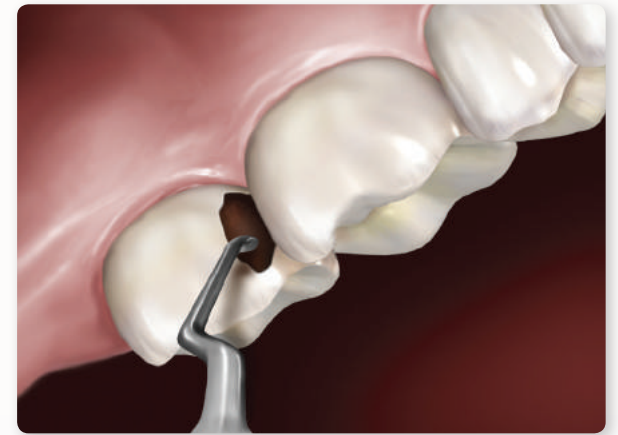
Micro-Mini is excellent for condensing composite resin in extremely small pits and fissures.





**#4 Extra-Flex**  
**TNCIGFT4**

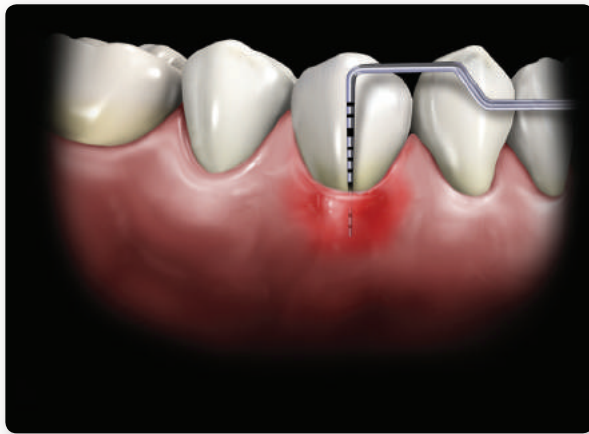
Flexible, paired, offset, very thin paddle-shaped blades for placing and shaping material on posterior, mesial and distal surfaces. Reverse angle is also useful for placing and shaping anterior bonded restorations.



**Goldstein Interproximal Excavator**  
**EXC242**

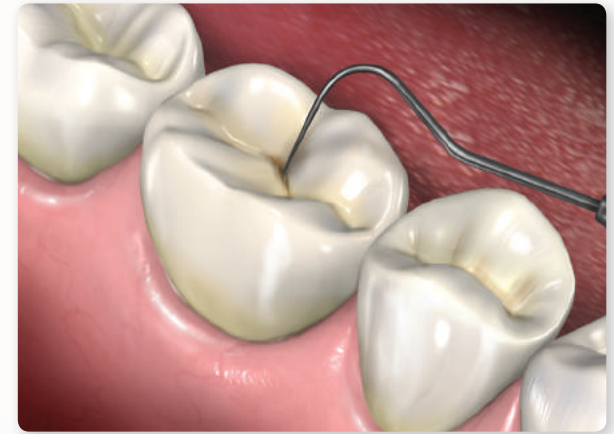
This instrument was designed to help excavate caries from mesial tunnel preparations when a much more straight approach is needed.





**UNC12 Novatech™ Periodontal Probe**  
**PCPNT126**

The design for the PCPNT periodontal probe is based on being able to achieve an accurate vertical measurement of the periodontal condition of the mouth both in health and in disease. Accurate measurements are essential and the ability to have reliable vertical probing is the best way to achieve repeatable results.



**3 Expro**  
**XPNT3**

The shape of the explorer end also makes it easier and more predictable to detect marginal accuracy as well as caries and other clinical discrepancies



**Goldstein  
Crown Remover  
Straight  
GCR0**

For anterior  
crown removal.



**Goldstein  
Crown Remover  
45° Angle  
GCR45**

For cuspids,  
bicuspid,  
and even  
first molars.

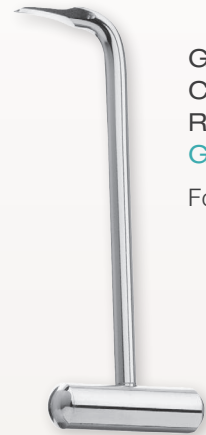


**Goldstein  
Crown Remover  
Occlusal  
GCROS**

For occlusal  
separation  
especially in  
hard-to-remove  
crowns that have  
been bonded  
to the tooth.



For permanent removal of crowns by breaking the seal between tooth and crown after sectioning with a bur. The special right angle handles are designed to torque the crown itself instead of destructive forces typically applied to the tooth which can lead to fracture.



**Goldstein  
Crown Remover  
Right Angle  
GCR90**

For molars.





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