

**Hu-Friedy®**

**FIRST BECAUSE WE LAST.**

**New!**

*Satin*  
**STEEL™** **XTS™**

Composite  
Instruments

- ▶ Excellent Handling
- ▶ Dazzle-free Work
- ▶ No Adhesion Effect
- ▶ Long Service Life



GB

# Satin STEEL™ XTS™

The new standard for performance in Non-Stick composite instruments.

■ **The placement and finishing of various composite materials has been completely revolutionized with the new XTS™ product line from Hu-Friedy.**

**With the help of ultra-modern technology and innovative design, Hu-Friedy has produced a high-quality line of instruments - XTS™, instruments which make perfect, non-adhering application of composite materials possible, without discolouring the filling.**

Independent research has confirmed the improved quality of our coating of aluminium-titanium nitride (AlTiN) compared with conventional gold-colored titanium coatings.

Studies show that aluminium-titanium nitride coatings are considerably harder, smoother and more scratch-resistant and thus composite materials adhere less, in comparison with customary titanium coatings.

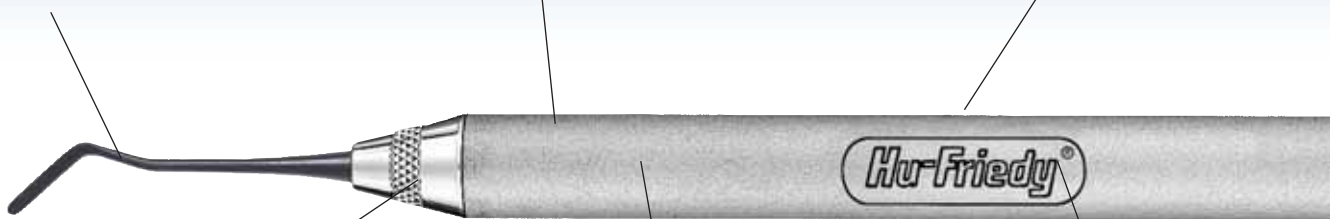


Black working end for a better contrast between instrument, tooth and composite

Lighter handle makes less fatiguing work possible

Smooth surface can be cleaned easily and is corrosion-resistant

CE



Smooth, conical transition from the handle to the working edge facilitates control

Matte Satin Steel™ handle makes dazzle-free work possible and is easier to clean.

Larger diameter for a more relaxed grip



## ■ Expert opinions

**Prof. Dr. Detlef Heidemann, Frankfurt University Polyclinic:**

"The handling of the smooth Satin Steel handle in composite processing is distinctly more pleasant and more ergonomic."

**Dr. Walter Kamann, Witten/Herdecke University:**

"Composite materials can be processed well, and there is in particular no adhesion effect. The black working end is the improvement of the instrument."

**Prof. Dr. Michael A. Baumann, Cologne University Hospital:**

"For the first time with instruments, an extremely low adhesive effect. Genuine progress."



### ■ **Coating of aluminium-titanium nitride (AlTiN)**

The unique, black aluminium-titanium nitride coating improves the contrast between the instrument, the tooth structure and the composite material. The hard black coating will not discolour the filling material or damage it in any way.

### ■ **Corrosion-resistance**

Hu-Friedy instruments are made of Immunity Steel®. The material guarantees a long service life and can be cleaned and sterilized with all customary processes.

Working end of flexible Immunity Steel with aluminium-titanium nitride coating



Hard, non-adhering and scratch-resistant surface

### ■ **Excellent handling with smooth, ergonomic design of handle.**

The smooth design of the handles makes simple cleaning possible. In addition, the low weight of the instrument results in ergonomic benefits such as low fatigue of the hands and improved possibilities of control for exact placement and handling of all composite materials.

### ■ **IM12DIN108**

10 XTS instruments  
in an IM12DIN10 cassette



### ■ **Composite Instrument Cleaning and Care**

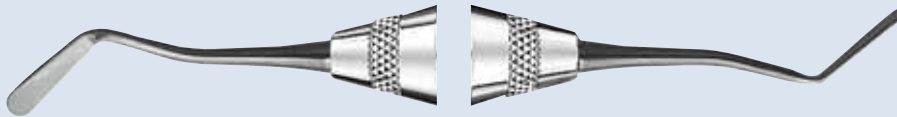
Implementing proper care for your composite instruments is essential in maintaining the quality of your instruments. For all types of composite instruments, always remember to wipe off any composite or glass ionomer material from the working end with a 2x2 alcohol gauze even if material is not visible. This will promote easy cleaning in the ultrasonic cleaner and avoid manual removal of any dried material.

For XTS® instruments, there is no additional care required and the non-stick surface is easy to maintain. These instruments can be ultrasonically cleaned and heat sterilized. You should keep your XTS instruments in your set-up and process them with all other instruments.

Anodized Aluminum composite instruments are very unique compared to stainless steel and require special attention when cleaning. You must always separate your Anodized Aluminum instruments from your set-up and clean them with a mild detergent. Do not immerse Anodized Aluminum instruments into an ultrasonic cleaner. Once cleaned, you can return the instruments to the set-up and heat sterilize.

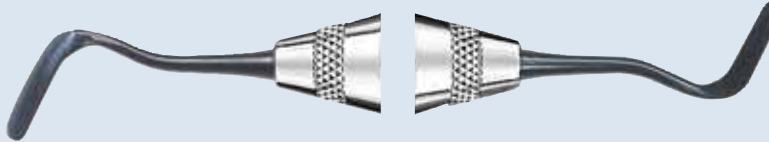
Following these easy cleaning and care guidelines will ensure that you get the full life and expected quality of your Hu-Friedy composite instruments.

■ Spatulas



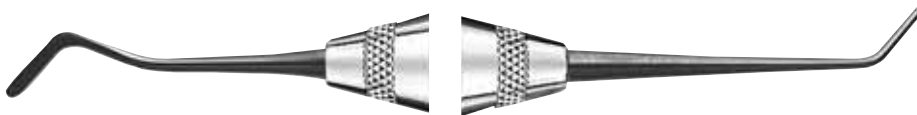
**TNCIGFT3**  
#3 Goldstein Flexi-Thin

Flexible, reversed, flared paddle design for shaping and placement.  
Application: Class 3 and 4 restorations



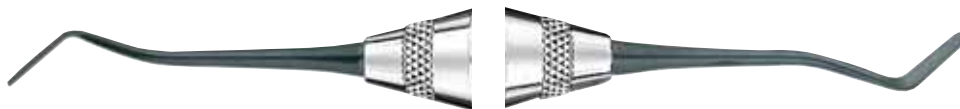
**TNCIGFT4**  
#4 Goldstein Flexi-Thin

Flexible, paired, offset, 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.



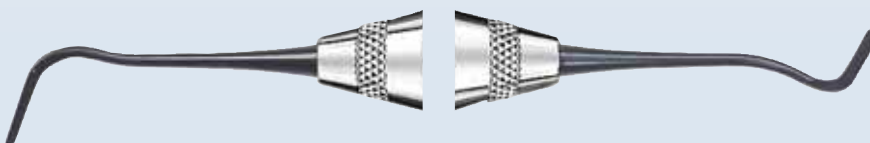
**TNCIGFTMI1**  
#1 Mini Goldstein Flexi-Thin

Mini version of the TNCIGFT1. For small pits and fissures, tunnel preps or minor tooth defects on lower anteriors.



**New!** **TNCIGFTMI3**  
#4 Mini Goldstein Flexi-Thin

Mini version of the TNCIGFT3. Flexible, reversed small flared paddle design for shaping & placement in small preparations.



**TNCIGFTMI4**  
#4 Mini Goldstein Flexi-Thin

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



**New!**

**TNPFIA B2**

**#AB2**

**Plastic Filling Instrument**

Used for measuring composite layers and shaping occlusal anatomy.



**TNCVIPC**

**Interproximal Carver**



Extremely thin flexible opposed blades for easy handling of composite materials and interproximal contouring. Application: Class 2, 3, 4 and 5.



**TNPFIA4/5**

**#4/5 Gregg**

**Plastic Filling Instrument**



Off-angled blades allow easy adaptability to mesial and distal surfaces of posterior teeth, providing increased interproximal access and better visibility of the working area. Application: Class 2 and 5.



**TNPFIA8A**

**#8A Plastic Filling Instrument**



Use for gingival retraction, as well as to place and sculpt facial aspects.



**TNPFIA6**

**#6 Plastic Filling Instrument**



Large, thin blades are opposed for adaptability to any situation, including veneers, where broad contouring or carving strokes are needed. Application: Class 2, 3, 4 and 5.



**TNPFIA B1**

**#1 Boghosian**

**Plastic Filling Instrument**



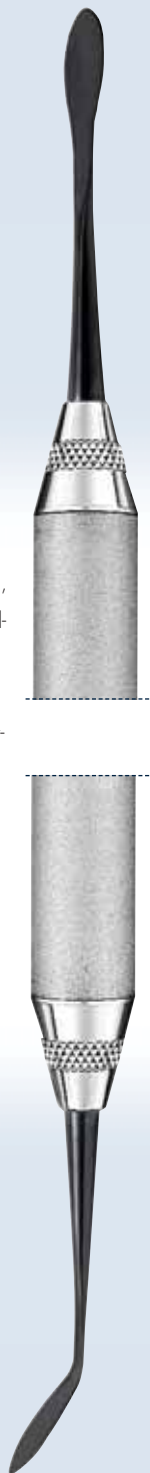
Unique combination of thin, knife-shaped blade with standard angled blade. Knife blade allows controlled, efficient manipulation of composite even in gingival areas. Application: Class 3, 4 and 5.

■ Composite Contouring instruments

**New!**

**TNCCIA**  
Composite  
Contouring  
Instrument

Identical, opposing, large, flexible, oval-shaped blades, straight and angled, for contouring composite material on larger facial surfaces of central incisors.



**New!**

**TNCCIB**  
Composite  
Contouring  
Instrument

Identical, opposing, spear-shaped blades, straight and angled, used for contouring composite material on smaller facial surfaces of central incisors.



**New!**

**TNCCIC**  
Composite  
Contouring  
Instrument

Flexible, oval-shaped blades - one slightly larger - for interproximal contouring on central incisors.



**New!**

**TNCCID**

Composite  
Contouring Instrument

Used when working near or at interproximal areas. Straight end compacts composite material, while sharp knife edge cuts composite to avoid bonding to adjacent tooth.



**New!**

**TNCCIE**

Composite  
Contouring Instrument

Small and medium curved blades for thinning and shaping composite material at the gingival areas.



**New!**

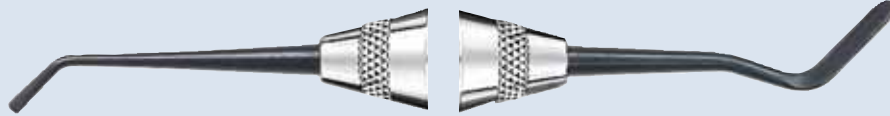
**TNCCIF**

Composite  
Contouring Instrument

Uniquely-shaped blades with curved and rounded tips for adding and shaping composite material on desired areas of facial incisors.

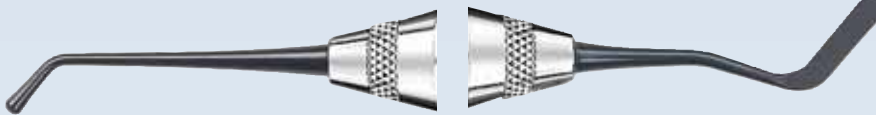


■ Spatulas-/Pluggers-Combination



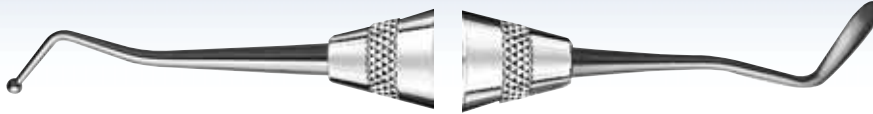
**TNCIGFT1**  
#1 Goldstein Flexi-Thin

Small universal style rounded condenser tip and narrow paddle for initial placement and contouring. Application: Class 1, 2 and 3 restorations



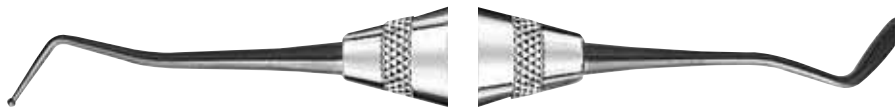
**TNCIGFT2**  
#2 Goldstein Flexi-Thin

Larger universal style for final placement and contouring. Application: Class 1, 2 and 3 restorations



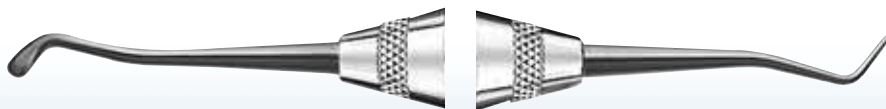
**TNCIPCL**  
Mikro Plastic Filling Instrument

For final placement in Class 1 + 2 restorations. The larger round ball end for condensing and shaping in Class 1 + 2 and spacing on lingual surfaces of anterior teeth.



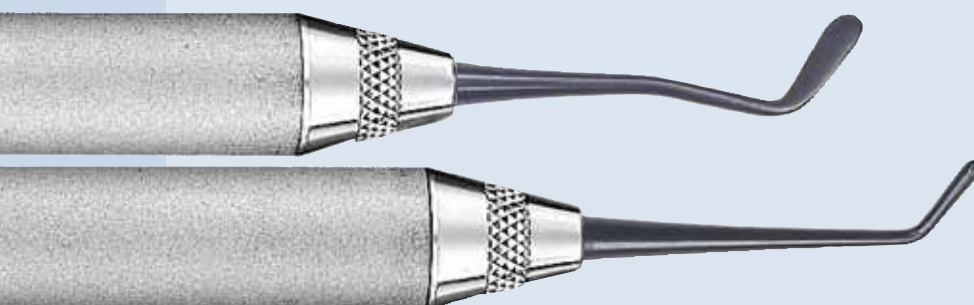
**TNCIPCM**  
Mikro Plastic Filling Instrument

For small pits and fissures. Placement and condensing with limited access.



**TNCIPCS**  
Goldstein Mini-Micro

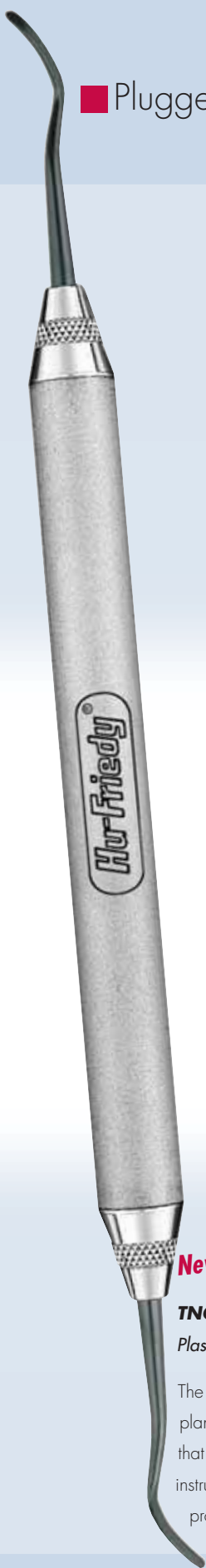
Mini Micro for extremely small pits and fissures.



**TNPFIW3**  
#W3 Plastic Filling Instrument

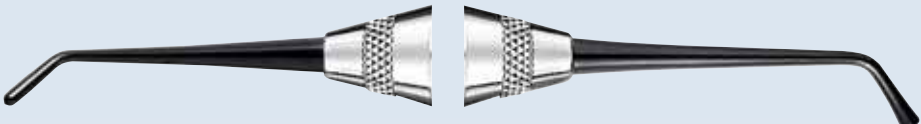
Combination of medium-sized blade with small condenser tip for universal adaptability. Ideal for placement, layering, and general contouring. Application: Class 1, 2, 3, 4 and 5.

■ Pluggers



**New!** **TNBBL2**  
Burnisher

Medium to large rounded tips for condensing composite materials.



**New!** **TNBBL3**  
Burnisher

Small to medium slightly rounded tips for condensing composite materials.



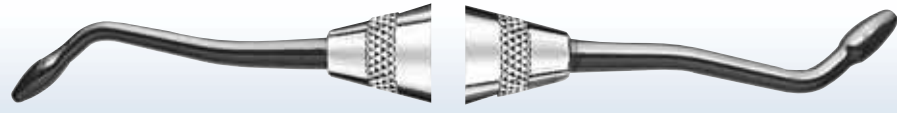
**TNBB21B**  
Burnisher

Acorn shaped instrument for carving occlusal anatomy in posterior restorations.



**TNBB27/29**  
#27/29 Burnisher

Used to blend material to margin for final contouring, to achieve sculpting of areas like grooves, fissures or pits. Can also be used to carve occlusal anatomy.



**TNCFIM/L**  
Plastic Filling Instrument

Oval shaped paired instrument designed to provide improved contact filling for medium/large Class 2 restorations.

**New!**  
**TNCFIR/L**  
Plastic Filling Instrument

The TNCFIR/L is a curved instrument with a gentle smooth, rounded or curved shape that can be used for shaping of inclines, planes or developmental lobes for anterior and posterior restorations. The instrument has different angles of curvature on each end that provides a buccal and lingual orientation for posterior shaping or a facial and lingual orientation for anterior shaping. This instrument has serrations on the end and is an excellent cord retraction instrument, and the different angles of curvature on each end provides as ease of access to the anterior and posterior gingival sulcus.

■ Pluggers



**TNPLG5A**  
Plugger

Small round inverted cone plugger for use with condensable composite material in posterior restorations.



**TNCFIS/M**  
Plastic Filling Instrument

Oval shaped paired instrument designed to provide improved contact filling for small/medium Class 2 restorations.



**TNPLGOT**  
Plugger Tanner

Rhomboid shaped plugger for use with condensable composite material in posterior restorations.



**TNPLGH3**  
Plugger Hollenback

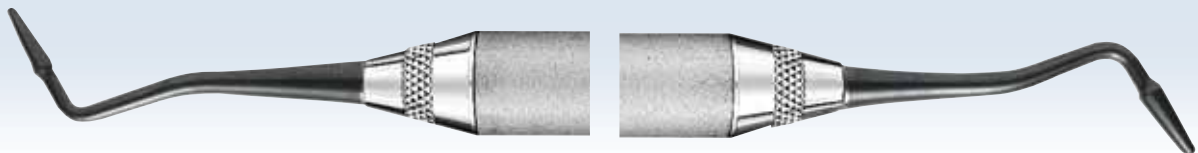
Rectangular shaped plugger for use with condensable composite material in posterior restorations.

## ■ Plastic Filling Instruments



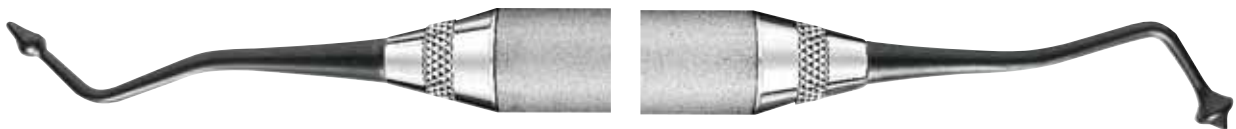
**New!** **TNFCIL**  
Plastic Filling  
Instrument

- Filling instruments developed by Dr. George Freedman
- for large restorations
- Designed with optimal size and shape to provide improved filling



**New!** **TNFCIS**  
Plastic Filling  
Instrument

- Filling instruments developed by Dr. George Freedman
- for small restorations
- Designed with optimal size and shape to provide improved filling



**New!** **TNPCCI**  
Plastic Filling Instrument  
"Duckhead"

- Developed by Dr. George Freedman
- Designed to quickly contour composite resins to match the natural occlusal anatomy of posterior teeth
- Unique design enables clinician to achieve superior esthetic results in a fraction of time





*FIRST BECAUSE WE LAST.*

Manufacturer: Hu-Friedy Mfg. Co., Inc. · 3232 N. Rockwell Street · Chicago, IL 60618 · USA

EC Representative: Hu-Friedy Mfg. Co., Inc., Zweigniederlassung Deutschland · Rudolf-Diesel-Straße 8 · D-69181 Leimen

Tel. +49 (0) 62 24 / 97 00-0 · Fax 97 00-97 · E-Mail: [info@hu-friedy.de](mailto:info@hu-friedy.de) · [www.hu-friedy.de](http://www.hu-friedy.de)