Advanced technology and innovative design have enabled Hu-Friedy to produce a superior instrument: **XTS COMPOSITE INSTRUMENTS**.

**XTS Instruments** allow for exceptional non-stick placement of composite materials without discoloring the restoration.

**THE DUCKHEAD INSTRUMENT**

Duckhead Instrument is used to contour the convexity of the cusp ridge, developing the anatomy in a single motion.

**CONTACT FORMING COMPOSITE INSTRUMENT (SMALL)**

Oval-shaped paired instrument designed to provide improved contact forming for small Class II restorations.

**CONTACT FORMING COMPOSITE INSTRUMENT (LARGE)**

Oval-shaped paired instrument designed to provide improved contact forming for large Class II restorations.

**ALUMINUM TITANIUM NITRIDE (AlTiN) COATING**

Studies indicate Aluminum Titanium Nitride coatings are consistently harder, smoother and stick less as compared to Titanium coatings. Hu-Friedy XTS instruments are made from Immunity Steel® for longer life.

**WEAR RESISTANCE**

<table>
<thead>
<tr>
<th>AlTiN</th>
<th>4100+500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Nitride</td>
<td>2900+200</td>
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</table>

**SMOOTH SURFACE**

Surface Roughness

<table>
<thead>
<tr>
<th>AlTiN</th>
<th>35</th>
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<tbody>
<tr>
<td>Titanium Nitride</td>
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</tbody>
</table>

**NON-STICK**

Coefficient of Friction

<table>
<thead>
<tr>
<th>AlTiN</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Nitride</td>
<td>65</td>
</tr>
</tbody>
</table>

**FEATURES & BENEFITS**

**DISTINCTIVE BLACK FINISH**
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.

**POSTERIOR COMPOSITE INSTRUMENTS**

Instruments specially designed to pre-contour and shape the occlusal surface of the uncured composite.

**THE DUCKHEAD INSTRUMENT**

Duckhead Instrument is used to contour the convexity of the cusp ridge, developing the anatomy in a single motion.

**CONTACT FORMING COMPOSITE INSTRUMENT (SMALL)**

Oval-shaped paired instrument designed to provide improved contact forming for small Class II restorations.

**CONTACT FORMING COMPOSITE INSTRUMENT (LARGE)**

Oval-shaped paired instrument designed to provide improved contact forming for large Class II restorations.

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FLEXI-THIN COMPOSITE INSTRUMENTS
The Goldstein Flexi-Thin collection also includes mini designs for small and difficult-to-access preparations.

#1 GOLDSTEIN FLEXI-THIN | TNCIGFT1
Small universal style rounded condenser tip and thin, narrow paddle for initial placement and contouring. Application: Class I, II and III restorations.

#2 GOLDSTEIN FLEXI-THIN | TNCIGFT2
Larger universal style for final placement and contouring. Application: Class I, II and III restorations.

#3 GOLDSTEIN FLEXI-THIN | TNCIGFT3
Flexible, reversed, flared paddle design for shaping and placement. Application: Class III and IV restorations.

#4 GOLDSTEIN FLEXI-THIN | TNCIGFT4
Very 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.

#5 GOLDSTEIN FLEXI-THIN | TNCIGFT5
Small reverse angle tips make it easy to place fissures, grooves and pits creating the ideal occlusal anatomy in hard-to-reach posterior areas.

#6 GOLDSTEIN FLEXI-THIN | 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 #1 GOLDSTEIN FLEXI-THIN | TNCIGFTM1
For small pits and fissures, tunnel preps or minor tooth defects on lower anteriors.

MICRO MINI #1 GOLDSTEIN FLEXI-THIN | TNCIGFTMCS
Micro-Mini for extremely small pits and fissures.

MINI #3 GOLDSTEIN FLEXI-THIN | TNCIGFTM3
Flexible, reversed small flared paddle design for shaping and placement in small preparations.

MINI #4 GOLDSTEIN FLEXI-THIN | TNCIGFTM4
Ideal for placing and shaping material in difficult-to-access mesial and distal posterior restorations.

GOLDSTEIN MICRO PLACEMENT INSTRUMENT | TNCIGFTMPI
The small size of the placement instrument increases visibility and maneuverability when applying tints, opaquers, base or liner materials.
FREEHAND COSMETIC CONTOURING INSTRUMENTS
Nine freehand cosmetic contouring instruments designed specifically for anterior and posterior use.

#1 GOLDFOGEL
Angle of tip allows easier access for contouring composite material on larger facial surfaces of central incisors.

#2 GOLDFOGEL
Straight or angled end can be used for contouring composite material on smaller facial surfaces of central incisors.

#3 GOLDFOGEL
Flat side of the blade is used for interproximal contouring on central incisors.

#4 GOLDFOGEL
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.

#5 GOLDFOGEL
Curved blades for thinning and shaping composite material at the gingival areas.

#6 GOLDFOGEL
Curved blades for adding and shaping composite material on desired areas of facial incisors.

#7 GOLDFOGEL
Allows formation of marginal ridges along with buccal and lingual embrasures while composite is uncured.

#8 GOLDFOGEL
Designed to help attain proper occlusal form, function and improve marginal seal.

#9 GOLDFOGEL
Aids in forming a properly filled axial box and occlusal portion.
Hu-Friedy’s XTS instruments provide high-quality options for every step of a restorative procedure. The general XTS instruments include carvers, filling instruments, contouring instruments, pluggers, burnishers and more.
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 II, III, IV and V restorations.

#5A SMALL, ROUND
#5A Small, round, inverted cone plugger for use with condensable composite material in posterior restorations.

#6 DE
Large, thin blades are opposed for adaptability to any situation, including veneers where broad contouring or carving strokes are needed. Application: Class II, III, IV and V restorations.

#4/5 GREGG DE
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 II and V restorations.

#8A DE
Used for gingival retraction, as well as to place and sculpt facial aspects.

#W3 DE PLASTIC FILLING INSTRUMENT

#3 HOLLENBACK RECTANGULAR
Rectangular-shaped plugger for use with condensable composite material in posterior restorations.

CONTOURING INSTRUMENT
Used for shaping of inclines, planes or developmental lobes for anterior and posterior restorations. The different angles of curvature on each end provide a buccal and lingual orientation for posterior shaping or a facial and lingual orientation for anterior shaping.

GENERAL

CONTINUOUS
For small pits and fissures, as well as placement and condensing with limited access.

#3 MEDIUM PLACING/CONDENSING
For final placement in Class I and II restorations. The larger, round ball end is used for condensing and shaping in Class I and II restorations and on lingual surfaces of anterior teeth.

#A6 DE
Large, thin blades are opposed for adaptability to any situation, including veneers where broad contouring or carving strokes are needed. Application: Class II, III, IV and V restorations.

#4/5 GREGG DE
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 II, III, IV and V restorations.

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#5A SMALL, ROUND
#5A Small, round, inverted cone plugger for use with condensable composite material in posterior restorations.
### ANTERIOR KIT

<table>
<thead>
<tr>
<th>Instrument Name</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>#3 Goldstein Flexi-Thin</td>
<td>TNCIGFT3</td>
</tr>
<tr>
<td>Micro Mini #1 Goldstein Flexi-Thin</td>
<td>TNCIPCS</td>
</tr>
<tr>
<td>Medium Placing/Condensing</td>
<td>TNCIPCM</td>
</tr>
<tr>
<td>Large Placing/Condensing</td>
<td>TNCIPCL</td>
</tr>
<tr>
<td>Mini #1 Goldstein Flexi-Thin</td>
<td>TNCIGFTMI1</td>
</tr>
</tbody>
</table>

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

### POSTERIOR KIT

<table>
<thead>
<tr>
<th>Instrument Name</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT Tanner</td>
<td>TNPLGOT</td>
</tr>
<tr>
<td>#3 Hollenback Rectangular</td>
<td>TNPLGH3</td>
</tr>
<tr>
<td>#5A Small, Round</td>
<td>TNPLG5A</td>
</tr>
<tr>
<td>Small/Medium Contact Forming</td>
<td>TNCFIS/M</td>
</tr>
<tr>
<td>Medium/Large Contact Forming</td>
<td>TNCFIM/L</td>
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</tbody>
</table>

### KIT LISTS

- **ANTERIOR KIT**
  - Five specially designed Anterior Satin Steel XTS Composite Instruments to be used for placing, condensing, and carving composite materials.

- **POSTERIOR KIT**
  - Five Posterior Satin Steel XTS Composite Instruments specially designed for Class I & II restorations.

For more information about Hu-Friedy’s Total Solutions visit [HU-FRIEDY.COM](http://HU-FRIEDY.COM)