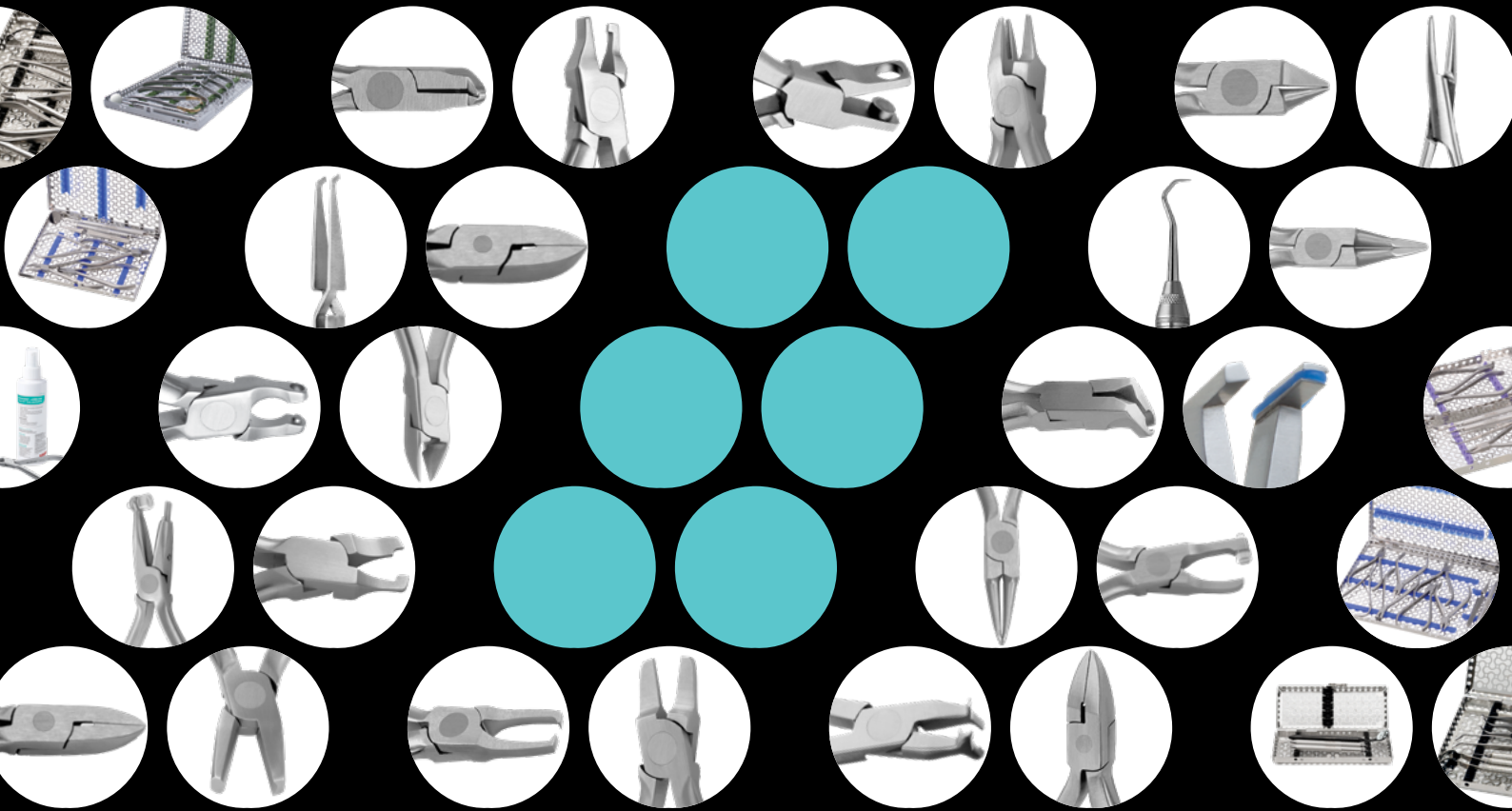


Orthodontic Catalog

2023



To our valued Customer,

On behalf of all my global teammates, I would like to personally thank you for choosing HuFriedyGroup as the extension of your technical skills and a reflection of how much you care for your patients' overall health. For those of you who might not have heard, we have added a word to our name recently. We added the word "Group" to better encompass the expanded value we are honored to provide. Hu-Friedy joined forces in 2019 with other brands that include Crosstex, Accutron, and Palmero, to name a few. This combination, which now comprises HuFriedyGroup, represents over 200 years of collective experience and commitment to dental professionals like you.

More recently, in June 2021, HuFriedyGroup became part of STERIS. STERIS is a leading provider of infection prevention and other procedural products and services. We couldn't be more excited to join the STERIS family as its fourth business segment. Despite a few changes over the years, one thing has remained constant: our focus on delivering you the highest quality product, service, and educational experiences in the dental industry.

As you will see throughout this catalog, we now provide you with more than ever before. Anchored by our best-in-class instrumentation portfolio and infection prevention products and services, we have expanded our offering with even more products that practices, schools, government institutions, and dental service organizations use every single day. From personal protective equipment to supplies for the operator and treatment solutions for dental unit waterlines, our portfolio of now over 40,000 products has expanded beyond instrumentation into even more areas of dentistry, where you perfect your craft.

Our promise is to help you be the **Best in Practice**. You keep dentistry moving forward, and we will be there for you every step of the way on this journey. I am so excited to see what the future holds as we continue providing you, wherever you may be around the globe, with everything you need to fulfill our promise.

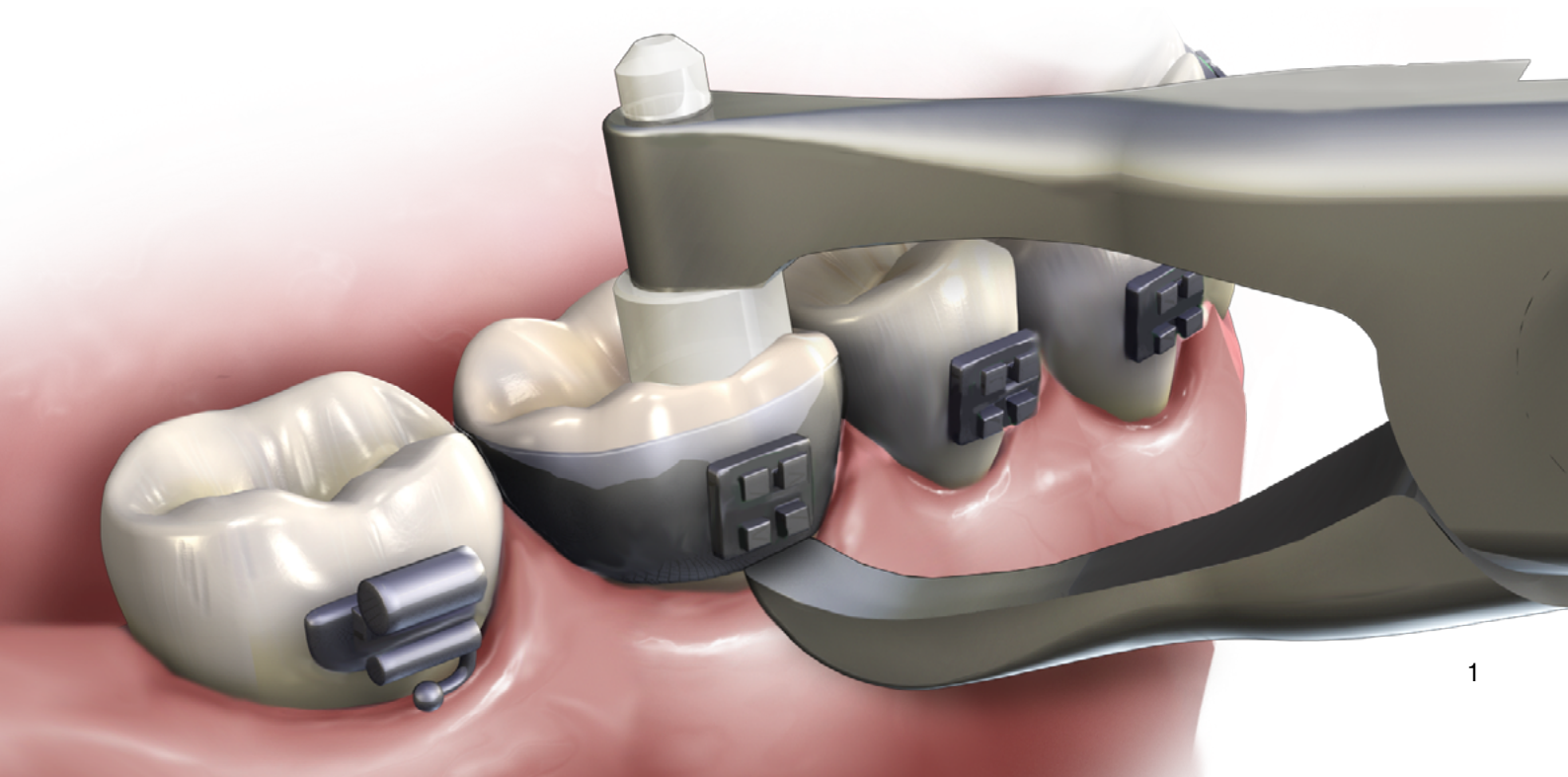


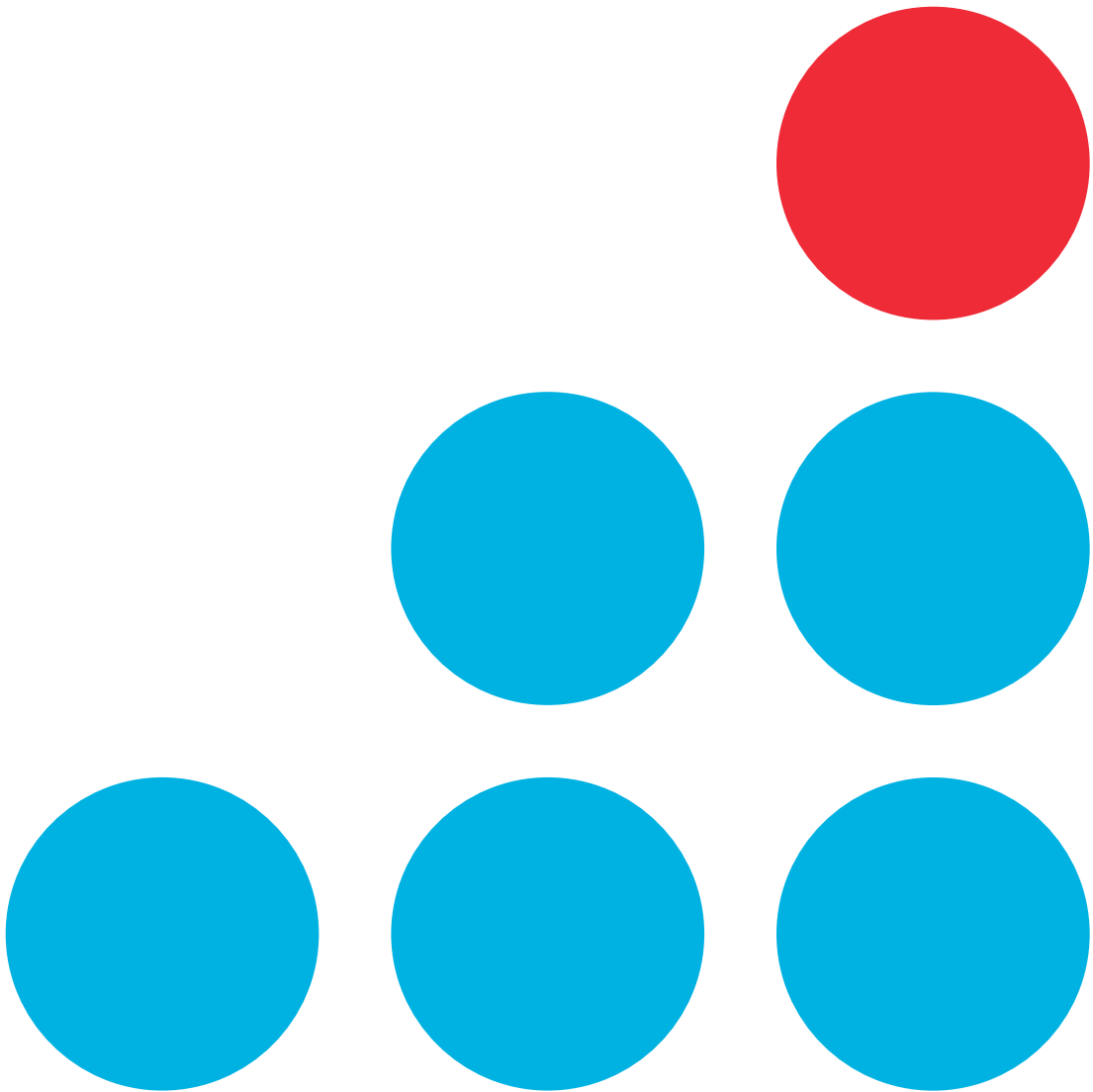
Sincerely,

A handwritten signature in blue ink that reads "Andy Xilas". The signature is fluid and cursive, written over a white background.

Andy Xilas
President

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Hu-Friedy

OMNIA

CROSSTEX

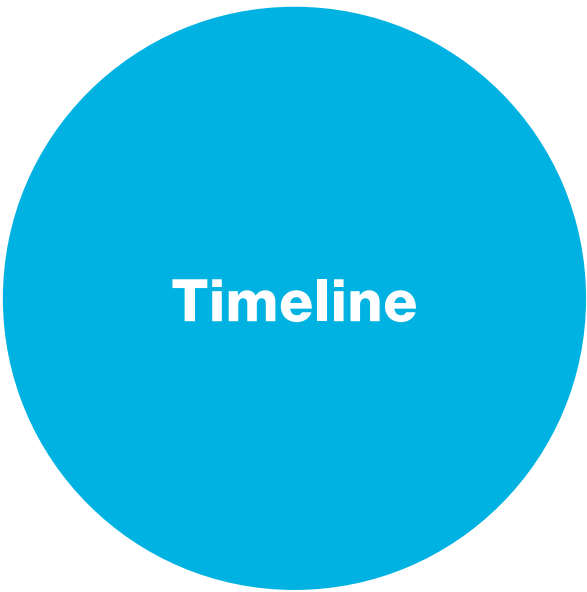


Who We Are

HuFriedyGroup is a global leader in dental instrument manufacturing, infection prevention, and instrument reprocessing workflows, with over 200 years of collective experience in the dental industry.

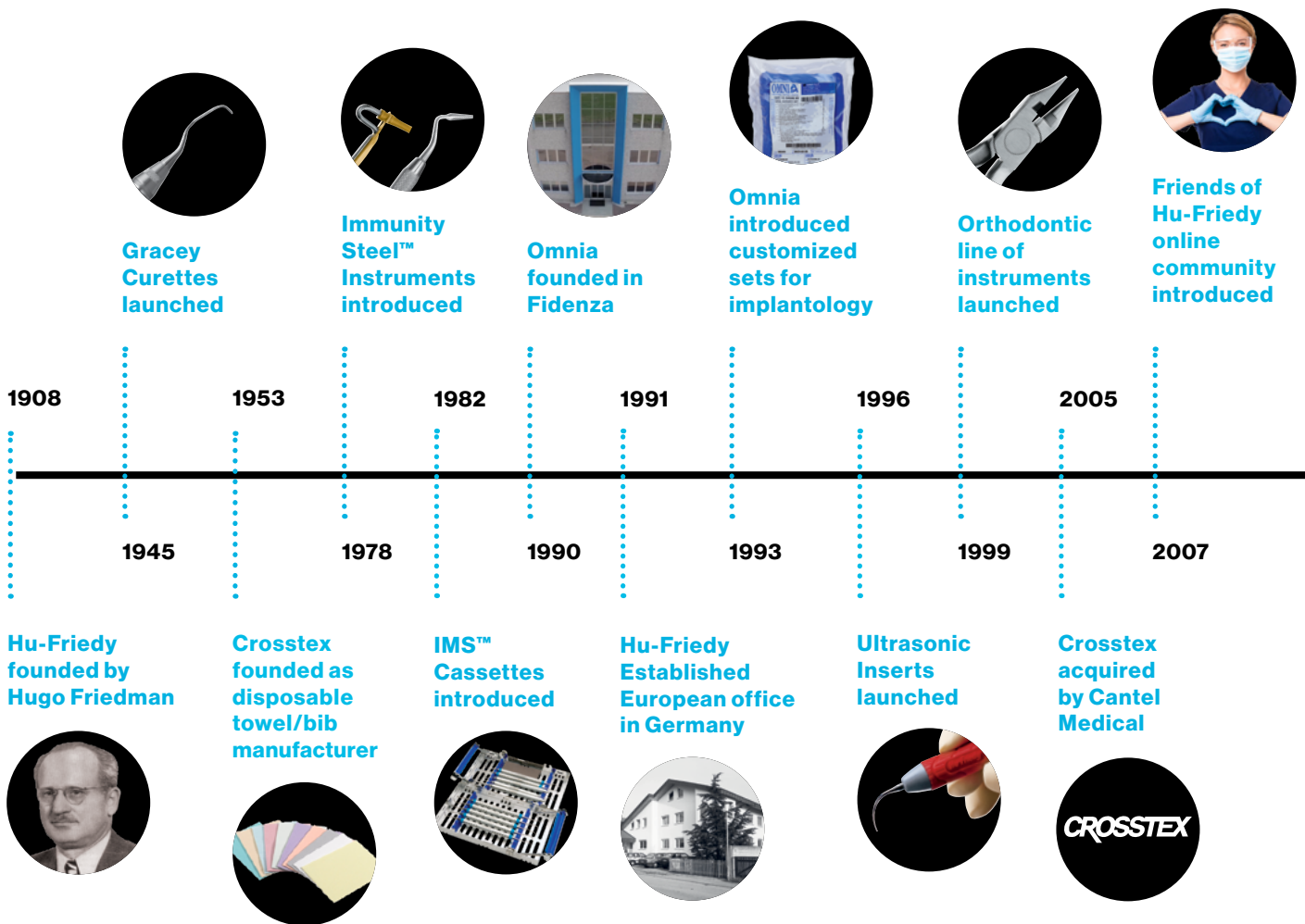
HuFriedyGroup is the combination of Accutron, Crosstex International, Hu-Friedy, and Omnia, bringing together a combination of companies under one roof to deliver the products, services, and solutions dental professionals need to be the Best in Practice.

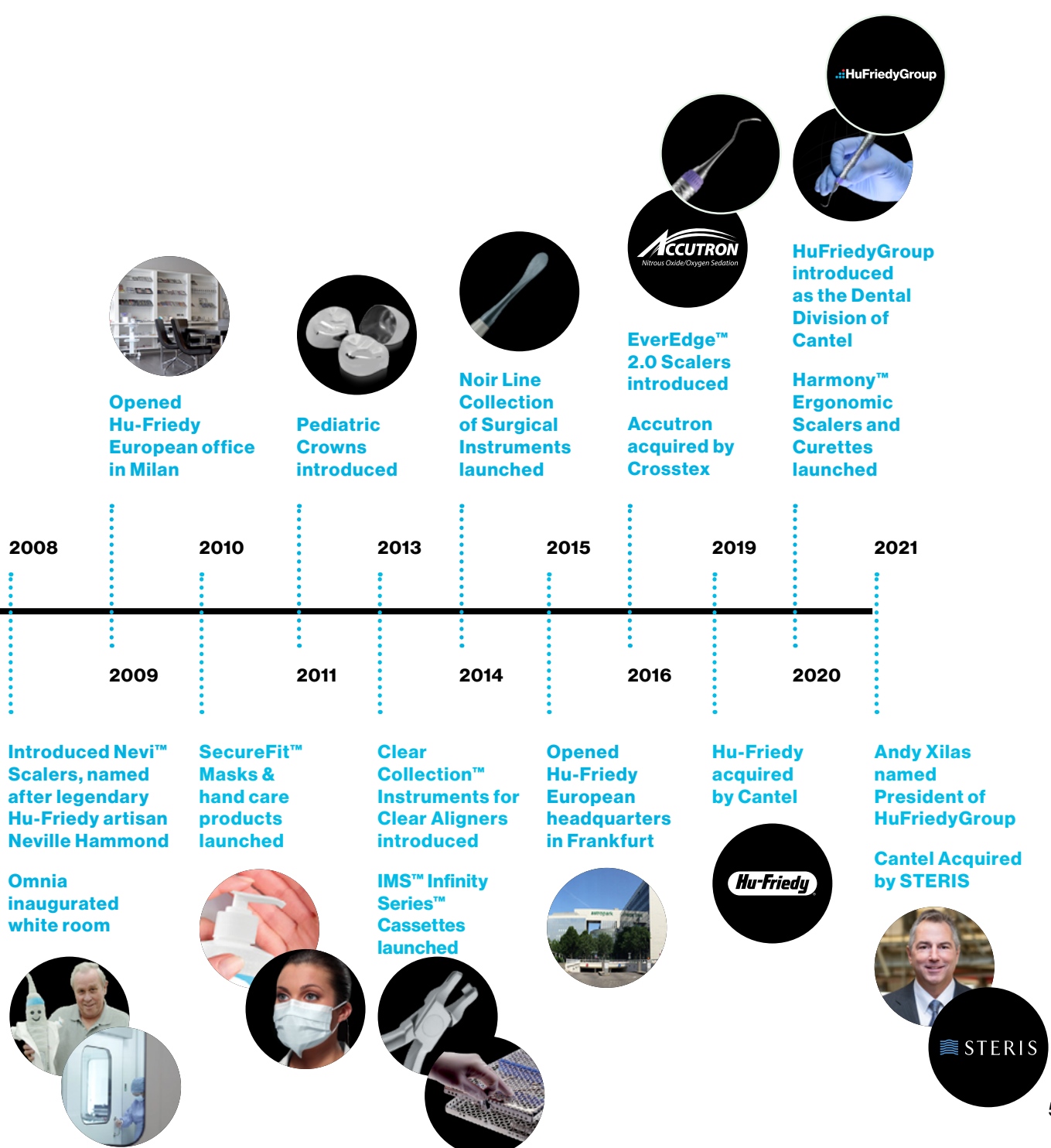
Together, HuFriedyGroup brings world-class products, services, education, and communities that result in superior clinician performance, superior clinical outcomes, and safety for clinicians and patients. Headquartered in Chicago, HuFriedyGroup products are distributed in more than 100 countries, and the dental division maintains offices in Germany, Italy, China, and Japan.



Timeline

The story of HuFriedyGroup dates back to 1908. For over a century, we have been shaping dentistry with innovative products and services design to help practitioners be the Best in Practice. Join us in looking back at our storied history to see every step that has led up to our now 40,000-plus product offering.







Ordering Information

How to Place an Order

HuFriedyGroup instruments may be ordered through an authorized dental dealer. Your dental dealer will take your order and ship the product to you. If you have questions prior to placing an order or would like to place an order for HuFriedyGroup products, please call our Customer Care Department via the communications listed below. We will need to know your dealer preference because your order will automatically be shipped and billed through your dental dealer. If you do not have a dental dealer, an authorized dealer listing is available from HuFriedyGroup's website at www.HuFriedyGroup.eu.

HuFriedyGroup's Customer Care Department

HuFriedyGroup is proud of its highly trained, qualified and professional customer care team. They are dedicated to helping you meet your needs. Feel free to call a HuFriedyGroup Customer Care Representative when special assistance is needed.

HuFriedyGroup Guarantee

Any HuFriedyGroup product that fails as a result of material defect or poor workmanship will be repaired or replaced at no charge. HuFriedyGroup cannot be responsible for the performance or replacement of any HuFriedyGroup instrument that has been tampered with, modified, retipped, or refitted in any manner. See HuFriedyGroup.eu for full product warranty details including limitations and exclusions.

Returns, Repair & Reconditioning

Complete service for HuFriedyGroup instruments and IMS™ cassettes is available in our Tuttlingen facility.

Please wrap and sterilise instruments and cassette prior to returning for repair. Items returned for servicing should be sent via UPS or registered insured mail.

Price quotations on cost of repair are available upon request. If in need of additional service, please contact your local HuFriedyGroup dealer.

All returns should be sent to:
Hu-Friedy Mfg. Co., LLC.
Bogenstrasse 6-8
D-78576 Emmingen

As some of the products included in this catalogue might not be available in some countries, we invite you to verify the availability of the product with your local authorized dealer or to contact our customer care at the free phone number 00800 48 37 43 39.



**How to Contact
HuFriedyGroup**

Manufacturer

Hu-Friedy Mfg. Co., LLC
3232 N. Rockwell Street
Chicago, IL - 60618 USA

European Headquarters

Hu-Friedy Mfg. Co., LLC
Astropark, Lyoner Str. 9
D-60528 Frankfurt am Main
Phone: +49 69 24753640
Fax: +49 69 25577015
Free Phone: 00800 48374339
info@hu-friedy.eu

Technical Service

Hu-Friedy Mfg. Co., LLC
Bogenstrasse 6-8
D-78576 Emmingen
Phone: +49 7461 150927063
Fax: +49 7461 150927071
HFETechService@hu-friedy.com

Milan Office

Hu-Friedy Italy Srl
Via Mauro Macchi 27
20124 Milano, Italy
Phone: +39 02 36589600
Fax: +39 02 67381327

Omnia Srl

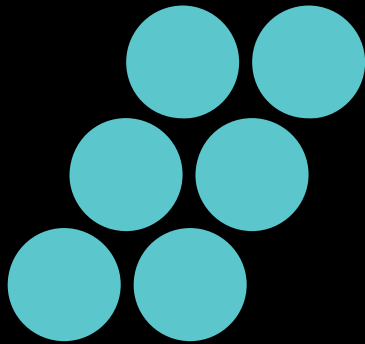
Via Francesco Delnevo, 190
43036 Fidenza
(PR) - Italy
Phone: +39 0524 527453
Fax: +39 0524 525230
info@omniaspa.eu

The Pursuit Of Excellence

Our mission is clear: we dedicate ourselves to outstanding craftsmanship through the pursuit of excellence and attention to fine detail. Over a century later, Hugo Friedman's unerring commitment to quality and innovation lives on. As a result, our instruments are indisputably the most skillfully created precision orthodontic instruments in the world.

Every instrument we create becomes, in essence, a critical extension of each practitioner's skill. To achieve this, we handcraft each instrument individually, assuring instruments of the highest quality, durability and performance available to the profession.

- **Superior Precision**
The production process is demanding and complex - as many as 30 different operations are needed to produce a single HuFriedyGroup Orthodontic Instrument.
- **Immunity Steel™ Alloy**
We use only the highest-quality forged steel with an optimal blend of chromium and carbon. These elements, combined with exclusive HuFriedyGroup processing, assure the creation of an outstanding instrument that will be resistant to corrosion given proper use and care.
- **Orbit Joint**
Keeps instrument tips aligned, ensuring proper functionality and frustration-free use.
- **Laser Engraving**
Each instrument is laser engraved with the applicable wire sizes.
- **Satin Finish**
All HuFriedyGroup Orthodontic instruments are finished by hand to a satin luster; this non-glare surface keeps your instrument looking beautiful.
- **Ergonomic Design**
The size, shape, handle length and weight are balanced for optimum comfort and confidence.



Orthodontic

As an orthodontist, your day is nonstop, facing a steady flow of patients, an overwhelming schedule, plus the desire to create beautiful, functional smiles for each and every patient. We are here to help. With consistent innovations like the Clear Collection™ Instruments for Clear Aligners, we put power and precision into your hands to help you be the Best in Practice.

Engineered to provide unrivaled clinical outcomes, our ergonomic designs ensure the comfort and confidence of both you and your patients. This results in a relaxed, calm environment that satisfies patients, parents and practitioners alike.



Clear Collection™ Instruments for Clear Aligners

The innovative Clear Collection™ Instruments for Clear Aligners are designed to accent, individualize and optimize the biomechanics of the “invisible” aligner experience with no heat required.



Learn more about our
[Clear Collection™
instrument set.](#)



The Clear Collection™ Instrument Set was designed by S. Jay Bowman, DMD MSD. Jay is a Diplomate of the American Board of Orthodontics, a member of the Edward H. Angle Society of Orthodontics, and on faculty of four universities. He has published numerous articles and book chapters, developed several orthodontic inventions, and provided lectures on orthodontics around the world. Jay has maintained a clinical practice in Kalamazoo/Portage, Michigan for over 30 years.



Cutting Instruments



6 mm


The Hole Punch
678-803



The Spot
678-804



4.5 mm


The Petite Punch
678-805

Indenting Instruments



The Tear Drop
678-800



The Vertical
678-801



The Horizontal
678-802



The Counter Clockwise Wedge
678-807



The Clockwise Wedge
678-808

Erasing Instruments



The Eraser
678-811



How and why to use the Clear Collection



The Tear Drop

The Tear Drop creates a notched cutout to hold elastics anywhere within the arch. It serves a second purpose by holding elastics in place as aligners are seated. Permitting easier manipulation of elastics by the patient.

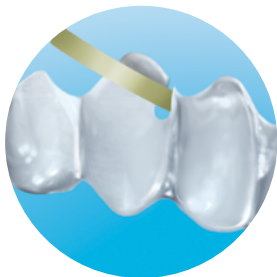
678-800



The Tear Drop is positioned at an angle to the force that will be applied to the clear aligner by the elastics and the depth of the reservoir cut can be adjusted to need.



The Tear Drop elastic hooks can be used in tandem with bonded attachments to direct eruption of teeth into aligners.



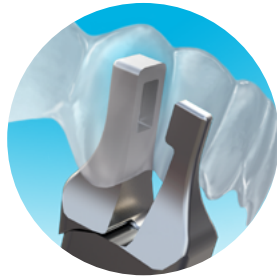
The Tear Drop elastic hook can be used to hook-up elastics of all types from Class II, Class III, Delta, Class I intraarch, for connection to TADS, and to produce extrusive forces for specific teeth.



The Vertical

The vertical produces an indentation to emphasize over-correction of rotations. It serves a second purpose creating a rotational couple by placing indents on opposing facial and lingual sides. Enhance resolution of in-and-out discrepancies by placing an indent to provide a mild nudge.

678-801



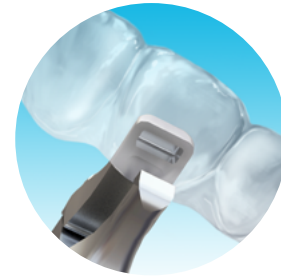
Impress an indentation with The Vertical along the mesial or distal line angle of a tooth to enhance rotational control.



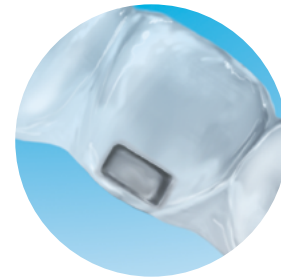
The Horizontal

The Horizontal produces an indentation to accent individual root torque. It serves a second purpose by enhancing retention of clear aligners or retainers by placing an indent into a tooth's undercut. Enhance the contact of the aligner and attachment by placing an indent below a bonded attachment.

678-802



Accent individual root torque by producing an indent at the gingival margin on either the buccal or lingual for any tooth in the arch form.



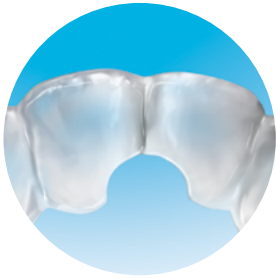
Increase clear aligner or retainer retentiveness by producing a horizontal indent into the undercut of specific teeth or just under an attachment.



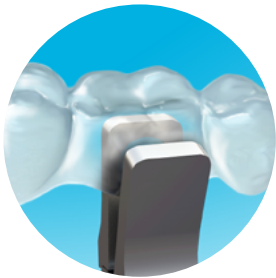
The Hole Punch

The Hole Punch is used to create half-moon cutouts for relief of clear aligners around bonded buttons used for elastics. In addition, the Hole Punch can nip away plastic to provide soft tissue clearance to prevent aligner impingement of tissue.

678-803



The Hole Punch can relieve marginal plastic impingement or irritation of soft tissue anywhere along the aligners such as the incisive papilla.



The Hole Punch is positioned at the gingival margin with one-half of the 6 mm "circle" of the punch over the plastic of the aligner.



The half moon cutout can be placed on any tooth where bonded buttons or brackets are added for elastics or other biomechanics.



The Spot

The Spot creates a tiny, rounded dimple for spot contacts to accent small individual tooth movements or added aligner retention. It is used to accent movements on any tooth that just needs a slight "nudge". The Spot's small depression placed adjacent to the gingival embrasures can enhance the retentiveness of an aligner or retainer.

678-804



The Spot creates a tiny rounded dimple for spot contacts to accent small individual tooth movements.



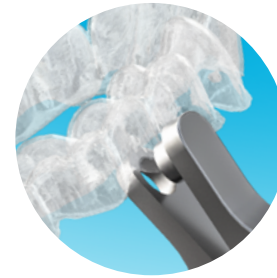
The Spot's small depression placed adjacent to the gingival embrasures can enhance the retentiveness of an aligner or retainer.



The Petite Punch

The Petite Punch cuts a 4.5 mm half-moon cutout in an aligner for relief of the plastic around bonded buttons used for elastics. When only a small cut-out is required to provide clearance for buttons or hooks on the buccal but also on the lingual of any tooth in the aligner, especially for smaller teeth. The Petite Punch can nip away plastic to provide soft tissue clearance to prevent aligner impingement of tissue.

678-805



The Petite Punch cuts a 4.5 mm half-moon cutout in an aligner for relief of the plastic around bonded buttons used for elastics.



The Petite Punch can be used to nip away plastic at the edge of aligners to provide relief from soft tissue impingement or irritation.



Clear Collection™ Instruments for Clear Aligners



The Counter Clockwise Wedge

The Counter Clockwise Wedge is used to produce a wedge-shaped indent in an aligner at the facial and at the opposite line angle lingual for a specific tooth to create a rotational couple. Used to create a counter clockwise rotation.

678-807



The Counter Clockwise Wedge is used to produce a wedge shaped indent into the line angle of the facial and on the opposite line angle of the lingual plastic for a specific tooth to create a rotational couple.



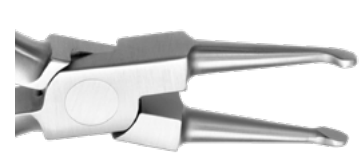
The Clockwise Wedge

The Clockwise Wedge is used to produce a wedge-shaped indent in an aligner at the facial and at the opposite line angle lingual for a specific tooth to create a rotational couple. Used to create a clockwise rotation.

678-808



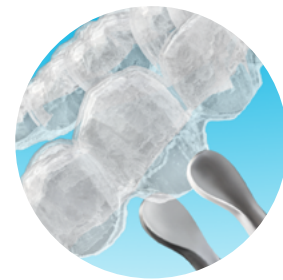
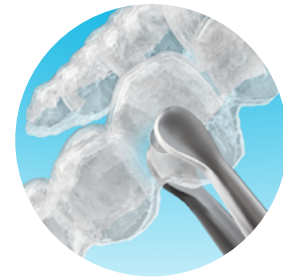
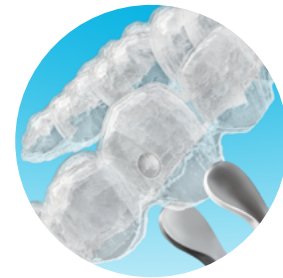
The Clockwise Wedge is used to produce a wedge shaped indent into the line angle of the facial and on the opposite line angle of the lingual plastic for a specific tooth to create a rotational couple.

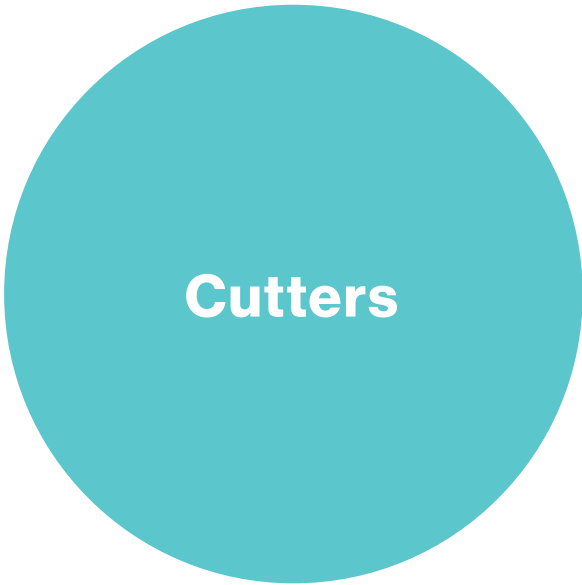


The Eraser

The Eraser is designed to reverse or remove unwanted indents placed by other instruments in the Clear Collection™ Series. The Eraser is designed to flatten the plastic where a depression was inadvertently positioned, or the accent is no longer required.

678-811



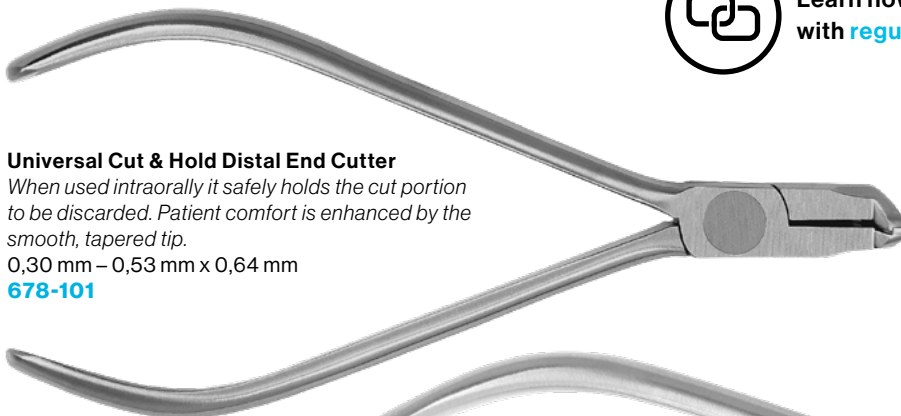


Cutters

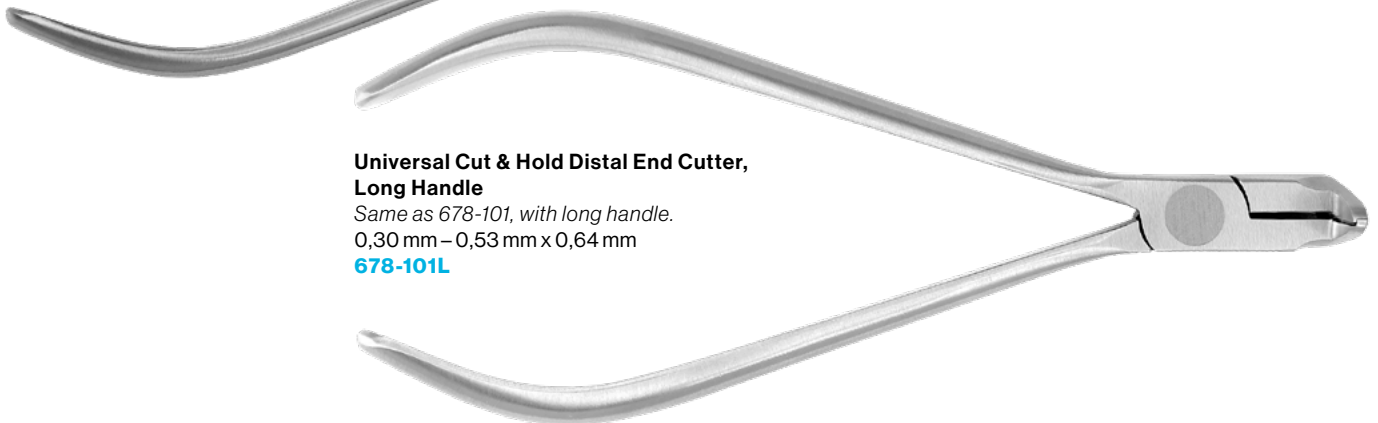
With our diamond-honed cutting edges and orbit-formed joint, you will experience sharp and accurately-aligned cutting edges for every procedure, every time. For each individual area of focus, we provide a specifically engineered cutter. To meet these stringent standards, all of our blades are hand-finished to maximize cutting performance for the appropriate wire size.



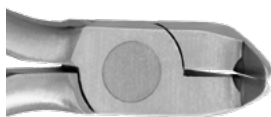
Learn how to extend the longevity of your cutter with [regular sharpening through HuCare](#).



Universal Cut & Hold Distal End Cutter
 When used intraorally it safely holds the cut portion to be discarded. Patient comfort is enhanced by the smooth, tapered tip.
 0,30 mm – 0,53 mm x 0,64 mm
678-101



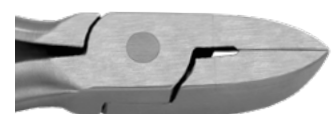
Universal Cut & Hold Distal End Cutter, Long Handle
 Same as 678-101, with long handle.
 0,30 mm – 0,53 mm x 0,64 mm
678-101L



Flush Cut Distal End Cutter, No Hold
 An exceptional universal cutter for all types of wires.
 0,53 mm x 0,64 mm
678-102



Hard Wire Cutter, 15°
 15° offset tip enhances access in difficult areas. Designed to cut hard wires.
 0,56 mm x 0,71 mm
678-103



Hard Wire Cutter
 Designed to cut hard wires.
 0,56 mm x 0,71 mm
678-104



Cutters



Multi-Use Cutter

Designed to cut soft wire pins and ligature wires.

0,38 mm

678-105



Mini Pin & Ligature Cutter

Slim profile is a plus in difficult to access areas.

Designed to cut soft wire pins and ligature wires.

0,30 mm

678-106



Micro Mini Pin & Ligature Cutter

Ultra slim profile is a plus in the most difficult to access areas. Designed to cut soft wire pins and ligature wires.

0,30 mm

678-107

Long Handle

678-107L

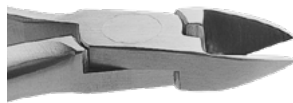


Micro Mini Ligature Cutter, 15°

15° offset tip with ultra slim profile is a plus in the most difficult to access areas. Designed to cut soft wire pins and ligature wires.

0,30 mm

678-109



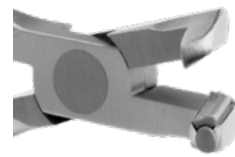
Micro Cutter

Ligature cutter with reduced tip dimension.

Designed to cut soft wire pins and ligature wires.

0,30 mm

678-110



Flush Cut & Hold Distal End Cutter

Cuts and holds wire distally flush to the buccal tube while reducing debondings. Designed for all types of wires.

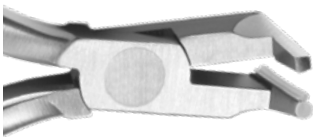
0,51 mm

678-111

Silicone Insert for 678-111

QTY: 3

678-011



Slim Flush Cut & Hold Distal End Cutter

Cuts and holds wire distally flush to the buccal tube while reducing debondings. Replaceable grey silicone rail holds the cut wire until released.

0,30 mm — 0,53 mm x 0,64 mm

678-113

Silicone Insert for 678-113

QTY: 3

678-013



Slim Flush Cut & Hold Distal Cutter, O-Ring Style

Cuts and holds wire distally flush to the buccal tube while reducing debondings. The slim design also helps to improve intraoral visibility. Replaceable blue silicone ring holds the cut wire until released.

0,30 mm — 0,53 mm x 0,64 mm

678-114

O-Ring Refills for 678-114

QTY: 50

678-114R50

QTY: 150

678-113R150



Slim Micro Cutter

The slender tip allows for easier access when removing elastics. The face of the cutter has been scooped out and reduced by 13% as compared to our original 678-110 to enhance visibility.

0,20 mm to 0,30 mm

678-500



Lingual Distal End Cutter

0,30 mm to 0,46 mm

678-700



Lingual Pin & Ligature Cutter

0,30 mm

678-701



Utility Pliers

Strong, yet lightweight and perfectly balanced, the dimensions of these instruments are perfectly proportioned, they fit your grasp with unsurpassed ease. Designed to provide superior control with effortless versatility, Our Utility Pliers assure comfort to both you and your patients.



View more [Utility Pliers](#).



Ultra Slim Weingart Pliers
0,76 mm
678-200



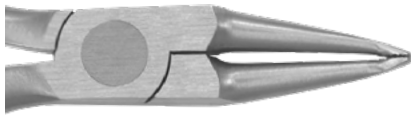
Weingart Pliers
Versatile utility pliers with serrations. Tapered 32° angular design is convenient for placement and removal of archwires.
0,76 mm
678-201
Long Handle
678-201L



Slim Weingart Pliers
Slim, tapered 20° tips with serrations offer greater access and versatility.
0,76 mm
678-202



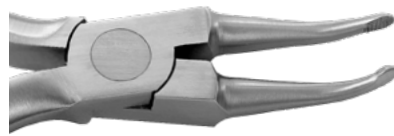
Utility Pliers



How Pliers, Straight

How utility pliers have serrated tips. Useful for placement and removal of archwires, pins and other auxiliaries.

0,76mm
678-203



How Pliers, Offset

Similar to the straight How pliers, except tips are angled at 40° for accessing lingual and other hard to reach areas.

0,76mm
678-204



Band Seating Pliers

Serrated tips grip brackets to assist in placing bands.

678-205



Adhesive Removing Pliers

Reversible, replaceable blade is used to remove the bulk of composite material after debonding attachments.

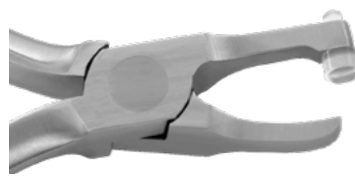
678-206

Replacement Blade for 678-206

QTY: 1
678-001

1/4" Replacement pads for 678-206

QTY: 6
678-014A



Band Removing Pliers, Long

The alignment of the tip and occlusal pad is well suited for posterior band removal. Includes a 3/16" pad assembled in the pliers, with 1/4" loose in package.

678-207

3/16" Replacement Pads for 678-207

QTY: 6
678-036

1/4" Replacement Pads for 678-207

QTY: 6
678-014



Band Removing Pliers, Short

The offset alignment of the tip and occlusal pad is well suited for band removal. Includes a 3/16" pad assembled in the pliers, with 1/4" loose in package.

678-208

3/16" Replacement Pads for 678-208

QTY: 6
678-036

1/4" Replacement Pads for 678-208

QTY: 6
678-014



Force Module Separating Pliers

Used for placement of elastic separators.

678-210



Coon Style Ligature Tying Pliers

Ideal for tying stainless steel ligature wires.

0,38 mm
678-211



Steiner Tying Pliers

Ideal for tying stainless steel ligature wires.

0,38 mm
678-222

Slim Band Remover Pliers

With a 21% thinner and more tapered working end compared to our original 678-207 model, the Slim Band Removing Pliers allow for easy accessibility helping limit patient discomfort. Includes a 3/16" pad assembled in the pliers, with 1/4" loose in package.

678-503

3/16" Replacement Pads for 678-503

QTY: 6
678-036

1/4" Replacement Pads for 678-503

QTY: 6
678-014





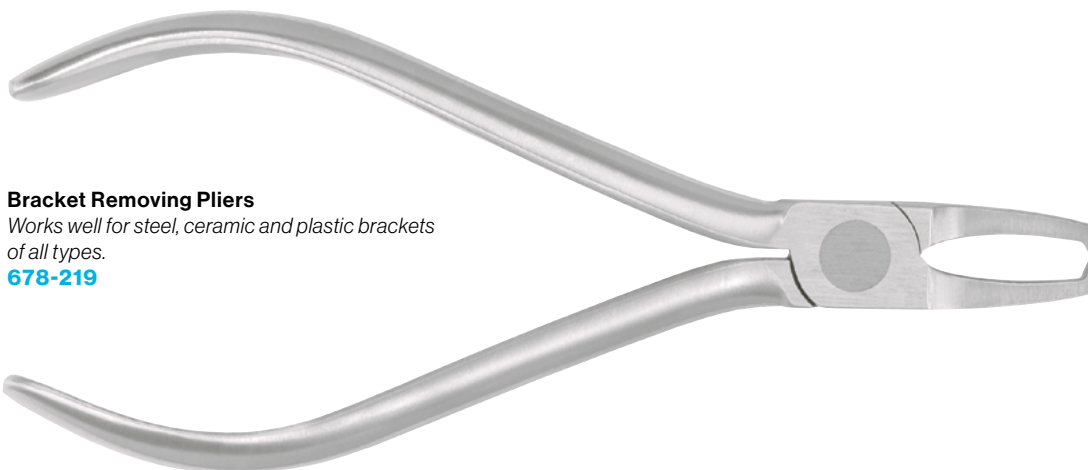
Slim Weingart Pliers
0,76 mm
678-501



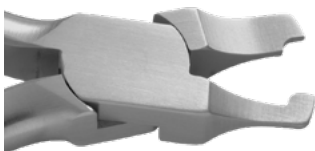
Lingual Weingart Pliers
0,76 mm
678-702
90°
678-702-90



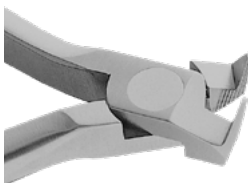
Lingual Bracket Removing Pliers
678-703



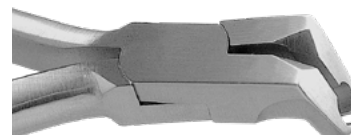
Bracket Removing Pliers
Works well for steel, ceramic and plastic brackets of all types.
678-219



Band Crimping Pliers
Thin tips allow for easy access into molar and bicuspid bands.
678-225



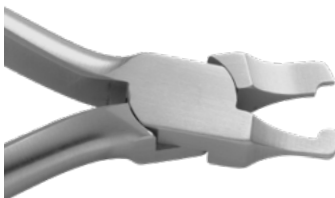
Tip Back Pliers
Bends down the distal extension of an archwire protruding past the buccal tube. Unique contra-angle design allows for easy intraoral access. With long handle.
0,56 mm x 0,64 mm
678-216



Angulated Bracket Remover Pliers
High angle design in long handle is effective for removal of all bracket styles from anterior and posterior teeth.
678-220L



Crown & Band Contouring Pliers
Designed for fitting of stainless steel crowns and bands.
678-221
Slimmer beak
678-221M
Modified
678-221MC



Band Crimping Pliers with Spring
Thin tips allow for easy access into molar and bicuspid bands. With spring.
678-225M



Lingual Debonding Pliers
Aid in lingual bracket removal. The remarkable spring action design requires minimal force to smoothly and quickly debond lingual brackets, while ensuring patient comfort is not compromised.
678-709

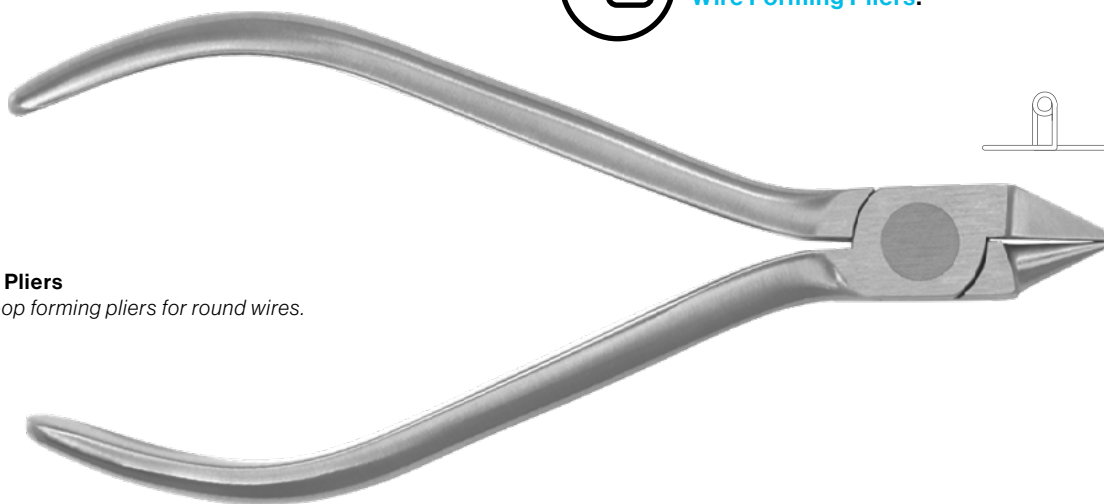


Wire Forming Pliers

These instruments perform as natural extensions of your professional artistry. Our impeccably smooth finished tips allow you to bend the wire without risk of damage. Whether you are shaping stainless steel or nickel titanium, these hand-finished, precision instrument help you bring your brilliant workmanship to life.

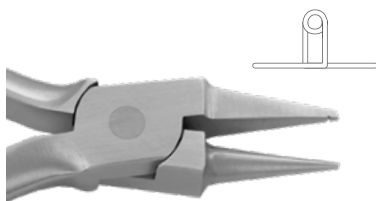


View more **Orthodontic Wire Forming Pliers.**



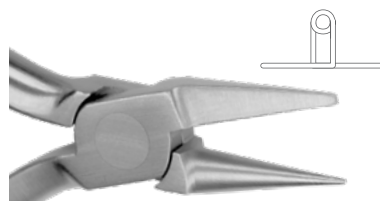
Bird Beak Pliers

Versatile loop forming pliers for round wires.
0,76 mm
678-304



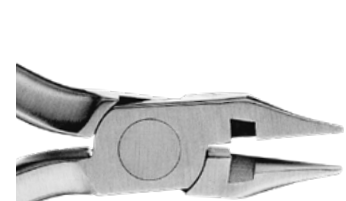
Light Wire Bird Beak Pliers w/ Groove

A longer cone than a standard bird beak is useful for forming precise loops in light wire. The groove allows for locating and duplicating loops.
0,51 mm
678-305



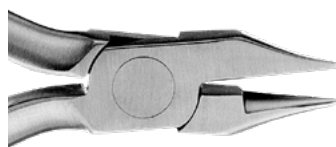
Light Wire Bird Beak Pliers

A longer cone than a standard bird beak is useful for forming precise loops in light wire.
0,51 mm
678-318



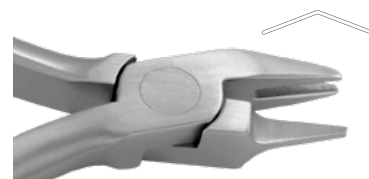
Bird Beak with Cutter

Smooth bending surfaces for a range of loop sizes while providing a sharp blade for cutting.
0,56 mm x 0,71 mm
678-325



Long Tapered Bird Beak Pliers

Bends a variety of smooth loops.
0,56 mm x 0,71 mm
678-326



Three Jaw Pliers

Useful for contouring and bending wire.
0,76 mm
678-302

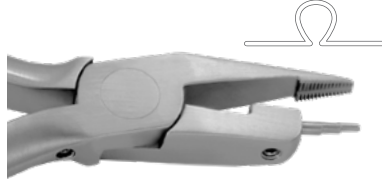


Mini Three Jaw Pliers

Tips are rounded for ease of contouring light wire.
0,76 mm
678-312



Jarabak Pliers
Versatile light wire bending pliers. Grooves assist with precise bending and closing of loops. Serrated surface grips wires.
0,51 mm
678-301



Omega Loop Forming Pliers
Graduated cone is designed to form precise omega loops: .045", .060" and .075"
0,56 mm x 0,64 mm
678-303

Replacement Blade for 678-303

QTY: 1

678-002

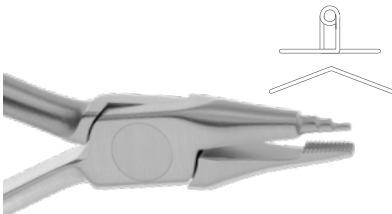
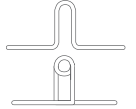
1/8" Set Screw and Hex Key for 678-303

QTY: 1

678-018



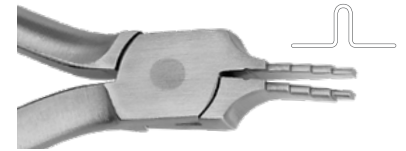
Twice Loop Forming Pliers
Loop forming pliers with .055", .075" and .090" diameters for creating bull and helical loops in wires.
0,56 mm x 0,71 mm
678-306



O'Brien Pliers
For precise forming of small helical loops and intraoral tip back bends.
0,51 mm
678-311



Marcotte Looping Pliers
For precise forming of helical loops and T loops. No right angles. Prevents stress fracture of wires.
0,56 mm x 0,71 mm
678-316



Nance Loop Forming Pliers
For precise forming of loops in four lengths: 3, 4, 5 and 6 mm. Groove at base aids in closing loops.
0,53 mm
678-319



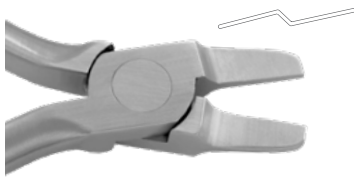
Optical Pliers
Excellent for forming helical closing loops and arch adjustments.
0,56 mm x 0,71 mm
678-323



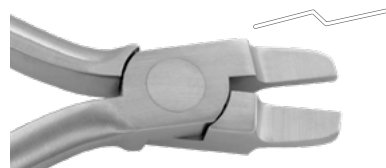
Old Style Loop Pliers
Provides optimum accuracy and precision in forming and closing loops with one cylindrical three-step beak and one triangular beak.
0,56 mm x 0,71 mm
678-324



Slim Arch Bending Pliers
Designed for placing first, second and third order bends, .025" blade width.
0,56 mm x 0,71 mm
678-307S



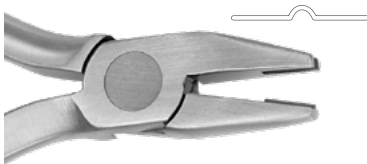
Arch Bending Pliers
Designed for placing first, second and third order bends, .050" blade width.
0,56 mm x 0,71 mm
678-307



Rectangular Arch Bending Pliers
Designed for placing first, second and third order bends, .070" blade width.
0,56 mm x 0,71 mm
678-308



Lingual Arch Forming Pliers
Designed to create double back and triple back bends in .030" and .036" lingual arch wires.
0,91 mm
678-309



V-Stop Pliers
Places V bend in archwires, including nickel titanium, to prevent archwire from traveling.
0,56 mm x 0,71 mm
678-321



Hollow Chop Contouring Pliers
Perfect for subtle contouring of arch wires.
0,76 mm with a 0,2" radius.
678-310



General Contouring Pliers
Tapered, serrated pliers for ease of contouring archwires.
0,53 mm x 0,64 mm
678-315



Wire Forming Pliers

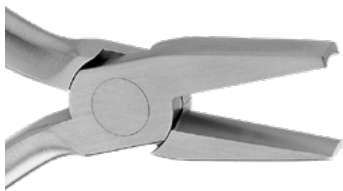


Slim Hammerhead™ NiTi Pliers

For NiTi wire only, no heat.

0,64 mm

678-502



Hollow Chop Pliers

Same as 678-310, with .25" radius.

0,76 mm

678-317

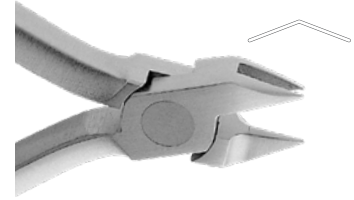


Adams Pliers

Useful for contouring and bending wire.

1,01 mm

678-320



NiTi Three Jaw Pliers

Designed for forming and contouring of all archwire, especially for NiTi.

0,51 mm

678-322



Hammerhead™ NiTi Pliers

Multi-use NiTi bender, no heat.

0,64 mm

678-327



Lingual Hammerhead™ NiTi Pliers

0,64 mm

678-704

with Serrations

678-704SER



Torquing Pliers with Key

0,41 mm / 0,46 mm

678-328-20

Torquing Key .016" / .018"

QTY: 1

678-020



Torquing Pliers with Key

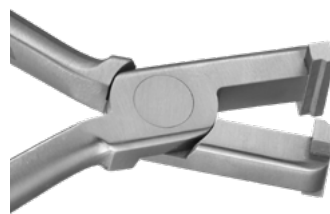
0,46 mm / 0,56 mm

678-328-21

Torquing Key .019" / .022"

QTY: 1

678-021



Step Pliers, 1/2MM

0,50 mm

678-340

Step Pliers, 3/4 MM

0,75 mm

678-341

Step Pliers, 1MM

1 mm

678-342



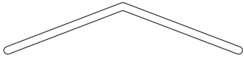
Hammerhead™ NiTi Pliers

0,64 mm

678-327



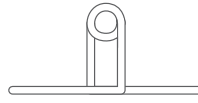
Wire Bending



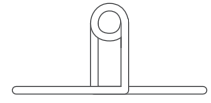
Three Jaw Pliers
678-302



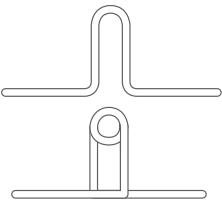
Omega Loop Forming Pliers
678-303



Bird Beak Pliers
678-304



Light Wire Bird Beak Pliers with Groove
678-305
Light Wire Bird Beak Pliers without Groove
678-318



Tweed Loop Forming Pliers
678-306



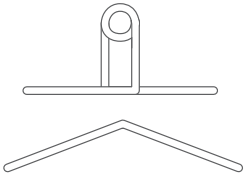
Arch Bending Pliers
678-307



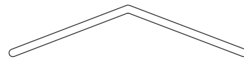
Rectangular Arch Bending Pliers
678-308



Lingual Arch Forming Pliers
678-309

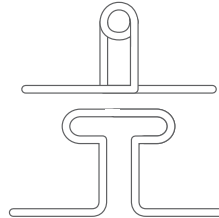


O'Brien Pliers
678-311

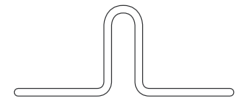


Mini Three Jaw Pliers
678-312

NiTi Three Jaw Pliers
678-322



Marcotte Looping Pliers
678-316



Nance Loop Forming Pliers
678-319



Adams Pliers
678-320



V-Stop Pliers
678-321



Mathieu Pliers

Created with the same meticulous attention to detail as our pliers, our mathieus are also forged from Immunity Steel® Alloy, making them resistant to rust and corrosion.



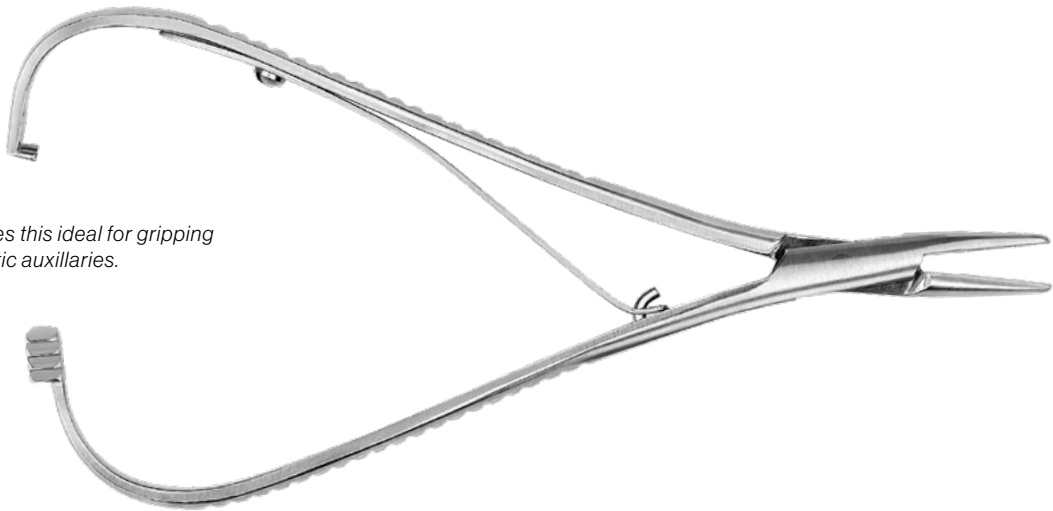
Learn more about our [Mathieu Pliers](#).

Mathieu Pliers

Slimmer tip makes this ideal for gripping and placing elastic auxiliaries.

0,38 mm

678-330



Mathieu Pliers, Wide Tip

With wider, stronger tips.

0,38 mm

678-331



Mathieu Pliers, Perma Sharp™

Thin tips made with Carbide inserts.

0,38 mm

678-332



Mathieu Pliers, Lingual

0,38 mm

678-705



Hand Instruments

All of our Orthodontic hand instruments are available in a variety of ergonomic handle sizes to accommodate your personal preference. Finely tuned to achieve accurate weight, balance and tip alignment, we produce only the highest caliber tips and handles, in the manner of precision and excellence you demand.



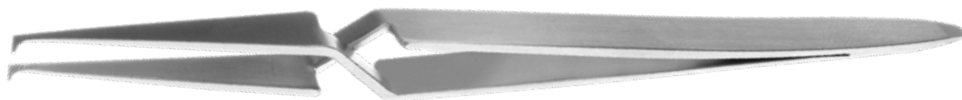
View more [Hand Instruments](#).



Direct Bond Bracket Holder
678-212



Slim Direct Bond Bracket Holder
678-212M



Slim Direct Bond Bracket Holder
678-504



Slim Buccal Tube Holder
678-505



Hand Instruments



Distal Cinch Back
0,53 mm x 0,64 mm
678-506



Lingual Ligature Director
0,53 mm x 0,64 mm
678-706



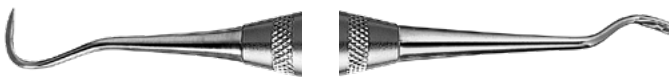
Lingual Ligature Director, U Shaped
0,53 mm x 0,64 mm
678-707



Scaler/Band Pusher
678-904



Band Pusher/Dull Scaler
678-906



Ligature Director/Scaler
678-905



Small Plugger/Picker
678-907



Ligature Director/Band Pusher
678-908



Large Plugger/Picker
678-909



Dull Scaler
678-910



Dull Scaler
678-911



Scaler/Picker
678-914



Picker/Ligature Director
678-916



Ligature Director/Band Pusher
678-912



Dull Scaler
678-913



BAND PUSHER
AIDS IN PLACEMENT AND BURNISHING OF BAND.
BP300



BAND PUSHER WITH SHORT TIP
SAME AS BP300 EXCEPT THE WORKING END IS SHORTER.
BP300S



BAND PUSHER/SCALER
VERSATILE INSTRUMENT FOR BAND PLACEMENT AND CLEANUP OF BAND CEMENT.
BPS1



BAND PUSHER/SCALER
SAME AS BPS1 EXCEPT THE WORKING END OF THE BAND
PUSHER IS SHORTER.
BPS2



FILLION EXPLORER/LIGATURE DIRECTOR
IDEAL FOR PLACING AND REMOVING ELASTIC LIGATURES
WITH LINGUAL BRACKETS.
FE/LD



LIGATURE DIRECTOR/PLUGGER
LDP



Plugger/Ligature Picker
PLPK



Ligature Director
LDG2



Ligature Director
LD1



Hand Instruments



Ligature Director/Tucker
LDT



Lingual Ligature Director
0,46 mm
SNLD1



Lingual Ligature Director
0,64 mm
SNLD2



Lingual Torquing Key
Designed for proper wire placement and improved torque expression in an .018" slot lingual system.
0,46 mm
TK018



Lingual Torquing Key with Picker
678-708



Lingual Torquing Key, Straight
0,51 mm
TK020S



Twirl-On Ligature Applicator
TWLA



Ligature Director
WBI-M/R

Full Kits: the "More Than Ortho" solution












Be always ready and prepared throughout your orthodontic journey from the beginning until the end of a complete patient's treatment. It's more than just an ortho routine: starting from observation towards bonding, control, debonding, we have the correspondent IMS™ Cassette for each step of the orthodontic treatment. Having a set already organised in the IMS™ Cassette with the right instruments you need for every ortho procedure helps improving the efficiency and safety of your work and smoothing the process by saving time to focus on your patients.

More Than Ortho Observation Kit



More Than Ortho Observation Kit	
IMS™ Signature Series™ 1/4 DIN Cassette, 5 Instruments	IM14DIN5_
High Definition Mirror #5 single-sided, European, Black Line, 1pc./pack	MIR5HDBE
Mirror Handle hdl #6 European Thread Black Line	MHE6B
Explorer Shepherds Hook #23 hdl #6	EXS236
Probe #2 hdl #6 Qulix 2-4-6-8-10-12	PCP26

CHOOSE THE COLOR OF CASSETTES.
Just add the color coding number to the last part of the partcode (replace "__" with the number).

Red		0	Lavender		6
Grey		1	Black		7
White		2	Blue		8
Orange		3	Green		9
Purple		4	Ocean Blue		11
Yellow		5			



En savoir plus sur notre Key Opinion Leader **Nuno Sousa Dias.**

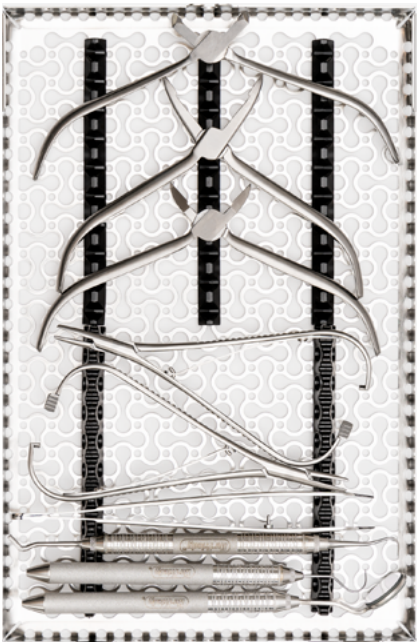


More Than Ortho Bonding Kit



More Than Ortho Bonding Kit	
IMS™ Infinity Series™ 1/2 DIN Cassette, 10 Instruments	IME12DNB1_
High Definition Mirror #4 double-sided, European	MIR4DSHDE (2X)
Mirror Handle hdl #6 European Thread	MHE6 (2X)
Explorer Shepherds Hook #23 hdl #6	EXS236
Dressing Pliers #17	DP17
Ultra Slim Buccal Tweezers	678-505 (2X)
Slim Direct Bond Bracket Holder	678-504

More Than Ortho Control Kit



More Than Ortho Bonding Kit	
IMS™ Infinity Series™ DIN Cassette Dimensions: 290 x 184 x 34 mm	IMEDIN20_O
High Definition Mirror #4 double-sided, European	MIR4DSHDE
Mirror Handle hdl #6 European Thread	MHE6
Explorer Shepherds Hook #23 hdl #6	EXS236
Dressing Pliers #17	DP17
Universal Distal End Cutter 0.021 x 0.025 inch, cut and hold	678-101
Ultra Slim Weingart Pliers	678-501
Ortho Needle Holder Mathieu, very fine for elastic ligature	678-330 (2X)
Pin & Ligature Cutter <=0.012 inch, micro 15° angled	678-109
Ortho Band Pusher/ Scaler Schure hdl #6	678-904

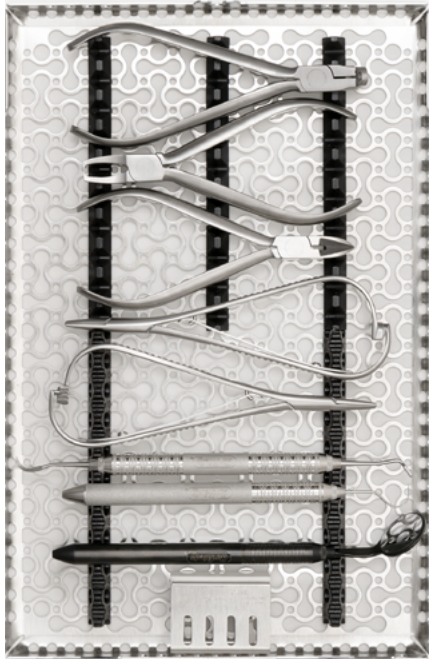
CHOOSE THE COLOR OF CASSETTES.

Just add the color coding number to the last part of the partcode (replace "_ " with the number).

Red	● 0	Lavender	● 6
Grey	● 1	Black	● 7
White	○ 2	Blue	● 8
Orange	● 3	Green	● 9
Purple	● 4	Ocean Blue	● 11
Yellow	● 5		



More Than Ortho Debonding Kit



More Than Ortho Bonding Kit	
IMS™ Infinity Series™ DIN Cassette Dimensions: 290 x 184 x 34 mm	IMEDIN20_O
High Definition Mirror #4 double-sided, European	MIR4DSHDE
Ortho Pliers Bracket remover	678-219
Ortho Pliers Bracket remover L	678-220L
High Definition Mirror #5 single-sided, European, Noir Line, 1pc./pack	MIR5HDBE
Mirror Handle hdl #6 European Thread Noir Line	MHE6B
Explorer Shepherds Hook	EXS236
Ortho Needle Holder Mathieu, very fine for elastic ligature	678-330 (2x)
Pin & Ligature Cutter <=0.012 inch, micro 15° angled	678-109
Ortho Band Pusher/ Scaler Schure hdl #6	678-904
IMS 1/2 Bur Cushion Short Lid (6 Burs)	IMS-1372SH

CHOOSE THE COLOR OF CASSETTES.

Just add the color coding number to the last part of the partcode (replace " _ " with the number).

Red		0	Lavender		6
Grey		1	Black		7
White		2	Blue		8
Orange		3	Green		9
Purple		4	Ocean Blue		11
Yellow		5			



Learn more about our Key Opinion Leader **Nuno Sousa Dias.**



Cassettes & Accessories

IMS™ Cassettes are manufactured from high quality, electropolished stainless steel shells to protect against corrosion while providing a long-lasting, professional appearance. IMS™ Cassettes feature medical-grade silicone rails, robust and ergonomic latches with positive locking mechanism, and are available in multiple sizes and colors that can be configured to best fit the needs of your facility.



Procedural Cassettes



1 DIN Orthodontic Cassette		
<i>Holds up to 6 pliers and 3 hand instruments</i>		
290 x 184 x 34 mm		
● Rouge		IMEDINORT0
● Gris		IMEDINORT1
○ Blanche		IMEDINORT2
● Orange		IMEDINORT3
● Purple		IMEDINORT4
● Jaune		IMEDINORT5
● Lavande		IMEDINORT6
● Noir		IMEDINORT7
● Blue		IMEDINORT8
● Vert		IMEDINORT9
● Bleu Océan		IMEDINOR11

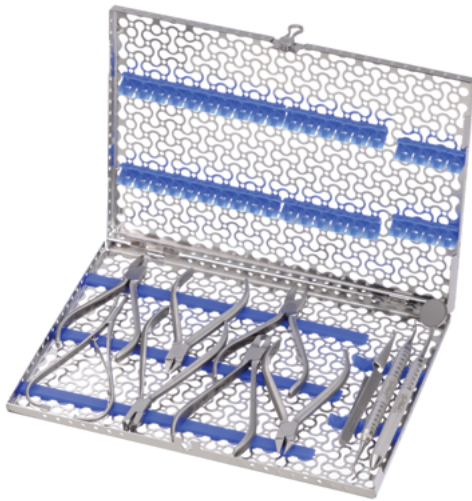


Thin Orthodontic Cassette - Large and Small Infinity Series™ Specialty Cassettes



Thin Orthodontic Cassette - Small
Holds up to 4 pliers and 3 hand instruments
 178 x 203 x 19 mm

● Purple	IMNORTHS4
● Blue	IMNORTHS8
● Vert	IMNORTHS9



Thin Orthodontic Cassette - Large
Holds up to 7 pliers and 4 hand instruments
 203 x 280 x 19 mm

● Purple	IMNORTHL4
● Blue	IMNORTHL8
● Vert	IMNORTHL9

Double-Decker™ Small Orthodontic Cassette



Double-Decker™ Small Orthodontic Cassette
 114 x 203 x 38 mm

● Rouge	IMN9140-O
● Gris	IMN9141-O
○ Blanche	IMN9142-O
● Orange	IMN9143-O
● Purple	IMN9144-O
● Jaune	IMN9145-O
● Lavande	IMN9160-O
● Noir	IMN9147-O
● Blue	IMN9148-O
● Vert	IMN9149-O
● Bleu Océan	IMN91411-O

Specialty Infinity Series™ Large Cassettes are non DIN cassettes and feature more space. They are best for use with larger equipment and sterilisers.

They do not fit DIN size European Autoclaves. We encourage you to verify with equipment manufacturer prior to purchase or to contact your Sales Representative or Customer Care.

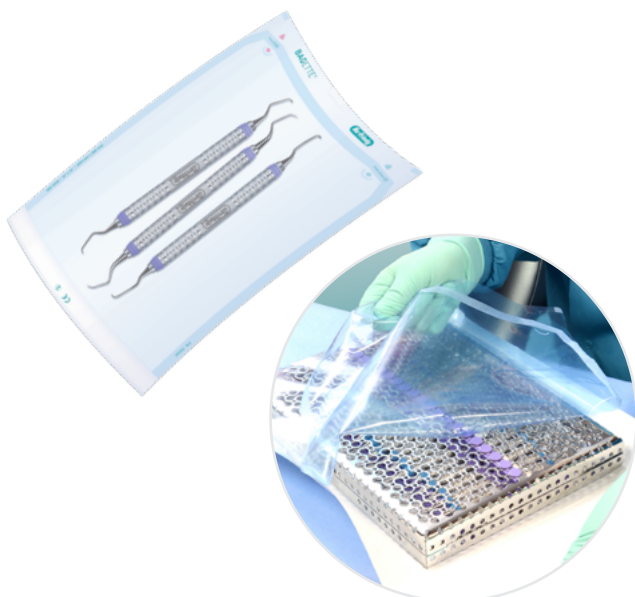


Sterilization Pouches

Sterilization Pouches are used to package instruments for sterilization. They allow sterilization of the enclosed instrumentation and maintain sterility post sterilization, while providing aseptic delivery. Sterilization pouches are designed to contain a single instrument, multiple instruments or instrument cassettes depending on the pouch size.

Bagette™ Self-Sealing Sterilization Pouches

Bagette™ Self-Sealing Sterilization Pouches are constructed with durable materials and thick seals. Built-in external and internal type 1 chemical indicators relay accurate time and temperature verification for steam and EtO sterilization. Features include a thumb notch for easy opening of the pouch and a wide self-seal adhesive strip to easily and securely seal the pouch to provide a reliable seal. The full line of pouches include those custom fit especially for cassettes and smaller sizes for all other sterilization needs. Not made with lead or natural rubber latex.



Bagette™ Self-Sealing Sterilization Pouches	
57 mm x 102 mm, 200 per box <i>Suitable for Rubber dam clamps or burs</i>	IMS-1346
70 mm x 229 mm, 200 per box <i>Suitable for 1 handpiece or 1-3 hand instruments</i>	IMS-1347
89 mm x 229 mm, 200 per box <i>Suitable for 3-6 hand instruments</i>	IMS-1236
133 mm x 254 mm, 200 per box <i>Fits 1 handpiece or multiple instruments</i>	IMS-1348
190 mm x 330 mm, 100 per box <i>Suitable for 1/4 DIN 5-instrument Cassette</i>	IMS-1237
254 mm x 356 mm, 100 per box <i>Suitable for 1/2 DIN 8-10 instrument Cassette</i>	IMS-1238
305 mm x 432 mm, 100 per box <i>Suitable for DIN 16-20 instrument Cassette</i>	IMS-1239
330 mm x 508 mm, 100 per box <i>Suitable for Oral Surgery Cassette; IMOSX Large Custom Cassette</i>	IMS-1345



Duo-Check™ Self-Seal Sterilization Pouches

Duo-Check™ Pouches contain internal and external Type 1 indicators that change color when processed, are easily visible, and are compatible with steam sterilization (indicators turn from pink to dark brown) and EtO sterilization (indicators turn from green to gold/brown). The pouches are manufactured from medical grade paper and blue-tinted transparent film which provides instrument viewing and identification of punctures or tears in film. An extra-wide chevron protects against instrument breaching and the perforated fold helps ensure the adhesive strip forms an airtight seal upon closing. The thumb-notch makes for easy opening and the six corner tack seals prevent curling and other potential contaminants from entering pouch upon opening. Once sterilized, contents will remain sterile for up to 3 years provided the integrity of the pouch has not been compromised. Double pouch validation verified.



Duo-Check™ Self-Seal Sterilization Pouches	
50 mm x 203 mm, 200 per box	SCZ
57 mm x 102 mm, 200 per box	SCXX
70 mm x 229 mm, 200 per box	SCX
83 mm x 229 mm, 200 per box	SCQ
89 mm x 133 mm, 200 per box	SCXS
89 mm x 229 mm, 200 per box	SCS
89 mm x 229 mm, 500 per box	SCS5
89 mm x 559 mm, 100 per box	SCL322
108 mm x 279 mm, 200 per box	SCB1X
133 mm x 254 mm, 200 per box	SCM
133 mm x 381 mm, 200 per box	SCL515
190 mm x 330 mm, 200 per box	SCL
203 mm x 406 mm, 200 per box	SCL816
254 mm x 381 mm, 100 per box	SCL1015
305 mm x 381 mm, 100 per box	SCL1215
305 mm x 457 mm, 100 per box	SCL1218



Sterilization Pouches

Sure-Check™ Self-Seal Sterilization Pouches • Steri-Coil™ Pouch Dividers

Sure-Check™ Self-Seal Sterilization Pouches

Sure-Check™ pouches contain built-in, multi-parameter internal and external process indicators that change color when all three criteria for sterilization exposure have been met – time, temperature and pressure. The pouches are manufactured from medical grade paper with an extra-wide chevron to protect against instrument breaching. A thumb-notch makes for easy opening, six corner tack seals help prevent curling and other potential contaminants from entering pouch upon opening, while a perforated fold helps ensure the adhesive strip forms an airtight seal upon sealing. For use with steam and EtO sterilization processes only. When used in steam processes pink indicators will turn dark brown. When used in EtO processes green indicator will turn gold/brown. Once sterilized, contents will remain sterile for up to three years provided the integrity of the pouch has not been compromised. Double pouch validation verified.



Sure-Check™ Self-Seal Sterilization Pouches	
57 mm x 102 mm, 200 per box	SCXX2
70 mm x 229 mm, 200 per box	SCX2
89 mm x 133 mm, 200 per box	SCXS2
83 mm x 229 mm, 200 per box	SCS2
83 mm x 229 mm, 500 per box	SCS25
89 mm x 559 mm, 100 per box	SCL3222
133 mm x 165 mm, 200 per box	SCW2
133 mm x 254 mm, 200 per box	SCM2
133 mm x 381 mm, 200 per box	SCL5152
190 mm x 330 mm, 200 per box	SCL2
203 mm x 406 mm, 200 per box	SCL8162
254 mm x 381 mm, 100 per box	SCL10152
267 mm x 432 mm, 100 per box	SCL10172
305 mm x 381 mm, 100 per box	SCL12152
305 mm x 457 mm, 100 per box	SCL12182

Steri-Coil™ Pouch Dividers

Stainless steel dividers for placement of pouches in sterilizer. Our Steri-Coil™ Pouch Dividers ensure proper loading and sterilization of contents.



Steri-Coil™ Pouch Divider	
89 mm x 89 mm x 508 mm	SCD-001
64 mm x 152 mm	SCD-012



Sterilization wraps are used to wrap instrument sets and cassettes for sterilization. Wraps allow the penetration of steam to sterilize the contents and maintain sterility of the processed item after sterilization. We offer a number of options to meet your needs.



Learn more about our [Sterilization Wrap](#).

IMS™ Autoclave Sterilization Wrap

After the packed cassette has been opened, the sterilization paper may be used as a base, thus forming a predominantly sterile environment. Additionally, contaminated cotton wool rolls, gauze and similar items can be disposed of hygienically in this paper.



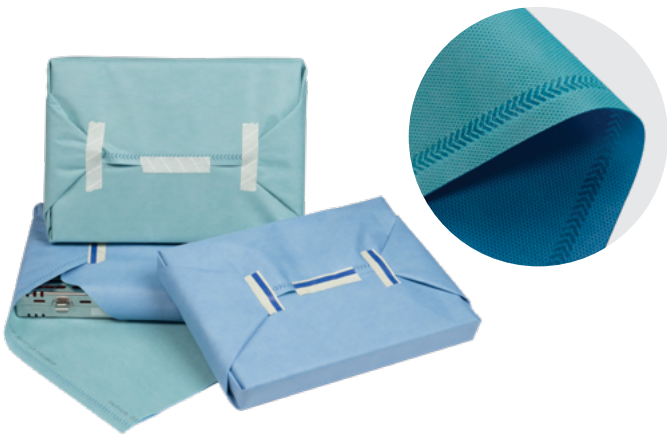
Autoclave Sterilization Wrap	
600 x 600 mm, 500 sheets <i>Suitable for DIN and Container Cassettes</i>	IMS-1210M
600 x 600 mm, 100 sheets <i>Suitable for DIN and Container Cassettes</i>	IMS-1210MH
375 x 375 mm, 1000 sheets <i>Suitable for 1/4 DIN Cassettes</i>	IMS-1211M
375 x 375 mm, 100 sheets <i>Suitable for 1/4 DIN Cassettes</i>	IMS-1211MH
500 x 500 mm, 500 sheets <i>Suitable for 1/2 DIN Cassettes</i>	IMS-1212M
500 x 500 mm, 100 sheets <i>Suitable for 1/2 DIN Cassettes</i>	IMS-1212MH



IMS™ Bonded Double Sterilization Wrap

Bonded Double Wrap is made from two bonded sheets of SMS polypropylene material allowing dental practitioners to be in compliance with the most stringent sterilization standards for healthcare settings set forth by ANSI/AAMI ST79 and CDC Guidelines. Its edges are ultrasonically bonded together to form a single, two-ply application that provides enhanced safety and increased efficiency and productivity during wrapping and unwrapping. The two sheets are different colors which aids in identifying breaches in the packaging post sterilization and allows package differentiation by color. High strength and durability aid in resistance to tears and punctures, protecting contents of the package during storage and transportation. Compatible with the most common sterilization cycles, the material is also recyclable for reduced waste. Manufactured for single use only.

Infection Prevention & Instrument Management



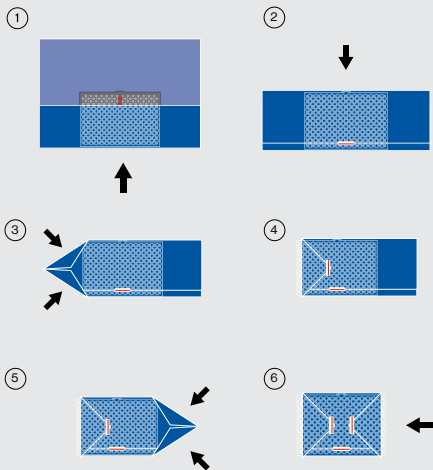
IMS™ Bonded Double Sterilization Wrap	
380 mm x 380 mm, 480 sheets <i>Suitable for 1/4 DIN Cassettes</i>	IMS-2215
508 mm x 508 mm, 480 sheets <i>Suitable for 1/2 DIN Cassettes</i>	IMS-2220
610 mm x 610 mm, 240 sheets <i>Suitable for DIN and Container Cassettes</i>	IMS-2224



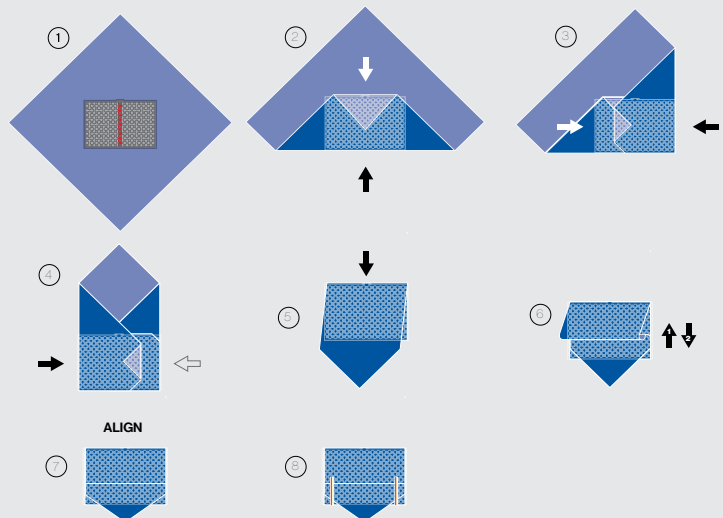
Watch the [Tutorial](#).

WRAPPING TECHNIQUES

STANDARD GIFT STYLE



HOSPITAL STYLE





Cleaning & Care

The essential first step in instrument reprocessing, is the cleaning step. Cleaning uses specialized solutions, such as enzymatic detergents, to aid in the removal of organic and inorganic soils from instruments. The cleaning efficacy of an automated washer-disinfectors and/or an ultrasonic bath can be easily checked with the use of specialized monitors.



Learn more about our [Cleaning & Care products](#).

Enzymatic Solutions

Enzymatic cleaners are used to aid in the cleaning and decontamination of instrumentation and contain enzymes, which help to break down soils, including blood, protein and other proteinaceous debris. These solutions can be used for both manual and automated cleaning processes.



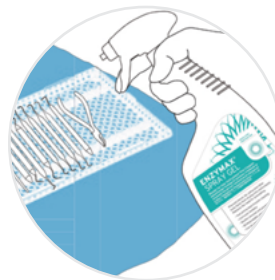


Enzymatic Pre-Cleaner

Dual enzyme gel with corrosion inhibitor acts as a ready-to-use instrument pre-cleaner. Maintains moisture to help prevent debris from drying on instruments before cleaning and helps dissolve blood, tissue, and other debris. Can also be used as a linen spot remover.



Enzymax™ Spray Gel
Ready-to-Use Instrument Pre-Cleaner
710 ml **IMS-1229**



Enzymax™ Dual Enzyme Ultrasonic Detergent is specifically formulated for efficient ultrasonic cleaning or pre-soaking of cassettes and instruments. Contains Steelgard® Agents to protect instruments from harmful minerals naturally found in water that contribute to buildup, spotting and corrosion. Can also be used as an evacuation system cleaner. Available in a variety of formats to meet your office needs, including Enzymax Earth™ products which are biodegradable and phosphate free and spray gel with corrosion inhibitor to use as a ready-to-use instrument pre-cleaner.

Enzymax™ Dual Enzyme Ultrasonic Detergent/Presoak **Liquid Format**

A fast-acting, concentrated, liquid formula. Available in easy to pump gallon and liquid unit dose configurations.



Enzymax™ Liquid Gallon Bottle
Makes 485 L
3,8 L **IMS-1226**



Instrument Care and Maintenance

Instrument care and maintenance products ensure the proper functioning of instruments, while also minimize wear.



Instrument Lubricant Spray
Keeps hinged instruments moving freely
 237 ml **ILS**

Shine reNEW™ Instrument Wipes
Instrument wipe that effectively removes stain and rust, restoring the luster to stainless steel and tungsten carbide instruments
 20 wipes per canister **IMS-1455**



Orthodontic Product Warranty

HuFriedyGroup, at its sole option, will repair or replace for a period of three years following the date of purchase, orthodontic cutter 678-113 and 678-700 that fails as a result of a defect in materials or workmanship. HuFriedyGroup, at its sole option, will repair or replace for a period of seven years following the date of purchase, all other orthodontic cutters that fail as a result of a defect in materials or workmanship.

In addition, HuFriedyGroup, at its sole option, will repair or replace for a period of ten years following the date of purchase, any orthodontic utility pliers or wire bending pliers that fail as a result of a defect in materials or workmanship.

Limitations On All Warranties

HUFRIEDYGROUP DISCLAIMS LIABILITY AND IS NOT RESPONSIBLE FOR THE PERFORMANCE OR REPLACEMENT OF ANY PRODUCT THAT HAS BEEN MISUSED, TAMPERED WITH, MODIFIED, RETIPPED OR REFITTED IN ANY MANNER OR IS BEYOND ITS EXPECTED LIFE.

HUFRIEDYGROUP DISCLAIMS LIABILITY, UNDER ANY APPLICABLE WARRANTY OR OTHERWISE, FOR DAMAGES ARISING FROM (1) THE USE OF COMMERCIAL/RESIDENTIAL GRADE WASHERS; (2) THE USE OF DENTAL AUTOMATED WASHER-DISINFECTORS WHERE MANUFACTURER'S PROCESSING GUIDELINES ARE NOT FOLLOWED; (3) THE USE OF CLEANING SOLUTIONS, CHEMICALS AND/OR PROCEDURES THAT ARE CONTRARY TO RECOMMENDATIONS OF HUFRIEDYGROUP; AND/OR (4) IMPROPER SETUP AND/OR INSTALLATION OF ANY PRODUCT.

THE EXPRESS WARRANTIES DESCRIBED HEREIN ARE THE EXCLUSIVE WARRANTIES AND ARE PROVIDED INSTEAD OF ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EXCEPT WARRANTIES OF TITLE

AND INFRINGEMENT. EXCEPT AS SET FORTH HEREIN, DAMAGES FROM BREACH OF SUCH WARRANTIES ARE LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT, AT SOLE OPTION OF HUFRIEDYGROUP. CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM BREACH OF ANY APPLICABLE EXPRESS OR IMPLIED WARRANTIES ARE HEREBY EXCLUDED.

See HuFriedyGroup.eu for complete warranty information.



Hinged Instruments

All hinged instruments — forceps, rongeurs, scissors, pliers, hemostats, orthodontic pliers, etc. — should be kept lubricated. Regular use of proper lubricants, like Instrument Lubricant Spray (ILS), will prevent rust, corrosion and stiff joints and will ensure smooth operation. (Household lubricants and handpiece lubricants are NOT recommended.)

Instrument Cleaning

All instruments need to be cleaned before they are sterilized. They should be washed with a non-corrosive, low sudsing neutral detergent. We strongly recommend the use of Enzymax™ Dual Enzyme Detergent to best protect and extend the life of the instruments. Instrument cleaning can be accomplished by ultrasonic cleaning, which is the method of choice to prevent hand injuries caused by hand scrubbing.

Instrument Sterilization

Please refer to HuFriedyGroup Instrument Reprocessing Guide at hufriedygroup.eu/en/hufriedy-reprocessing-guide

Sharpening

Sharpen cutters regularly. How often depends on such factors as the frequency of use, types of applications the cutter is being used in, etc. Routinely inspect cutters to determine if sharpening is required. Sharp instruments cut more efficiently and regular sharpening will enhance the life of your cutter. With average use, we recommend sharpening your cutters every 6 to 9 months.

Do's & Don'ts of Processing Instruments

For best results, we recommend the use of ultrasonics for instrument cleaning and steam autoclaves for sterilization. Never use tartar remover on instruments. For light stains, we recommend Shine reNEW™ Stain and Rust Remover (IMS-1455). Never spray surface disinfectant near instruments. Use only approved lubricant (Never use WD-40 or Handpiece lube).

Stainless Steel Instruments

While stainless steel has superior corrosion resistance, it will discolor and corrode when exposed to higher than recommended chemical concentrations or certain chemicals.

Stainless steel should not be exposed to the following chemicals: Sodium Hypochlorite (household bleach), Tartaric Acid (stain and tartar remover), Aluminum Chloride, Barium Chloride, Bichloride of Mercury, Calcium Chloride, Carboic Acid, Chlorinated Lime, Citric Acid, Dakin's Solution, Ferrous Chloride, Lysol, Mercuric Chloride, Mercury Salts, Phenol, Potassium Permanganate, Potassium Thiocyanate or Stannous Chloride.

The following chemicals should NEVER be used with stainless steel: Aqua Regia, Ferric Chloride, Sulfuric Acid, Hydrochloric Acid or Iodine.

Troubleshooting

Problem	Cause	Prevention
Spotting	• Insufficient rinsing after ultrasonic cleaning	• Rinse thoroughly under steady stream of water for 30 seconds
	• Insufficient drying after ultrasonic cleaning	• Rinse with hot water • Optional: Dip cassettes in alcohol after rinsing\
	• Not changing ultrasonic solution	• Solution should be changed at least once a day
	• Sterilizer has not been cleaned	• Sterilizers should be cleaned weekly • Use only distilled water for reservoir
Rust	• Corrosion from carbon steel instruments spreads to stainless steel instruments	• Separate stainless and carbon instruments • For carbon steel instruments: Dip in pre-sterilized rust-inhibiting solution as suggested by sterilizer manufacturer
Pitting	• Chemical attack on instruments	• Rinse and dry instruments thoroughly • Use approved cleaning, sterilization solutions only • Never use household bleach or stain and tartar remover

The Best In Practice



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