

CLEAR COLLECTION™ INSTRUMENTS

# Precise Adjustments For Better Results

Transform Smiles with Ease



# CLEARLY TRANSFORMATIVE

## Modify Clear Aligners with the Clear Collection™ Instruments

The Clear Collection™ Line consists of innovative instruments designed to accent, individualize, and optimize the biomechanics of the “invisible” aligner experience.

### Designed by the Experts

Learn more about the world-renowned Orthodontists who designed and approved the Clear Collection™ Instruments throughout this brochure, including:



**Dr. Jay Bowman**  
DMD, MS



**Dr. Chris Cetta**  
DMD



**Dr. Richard Kaye**  
DDS, MSD



**Dr. Judah Garfinkle**  
DMD, MS

### No Heat Required

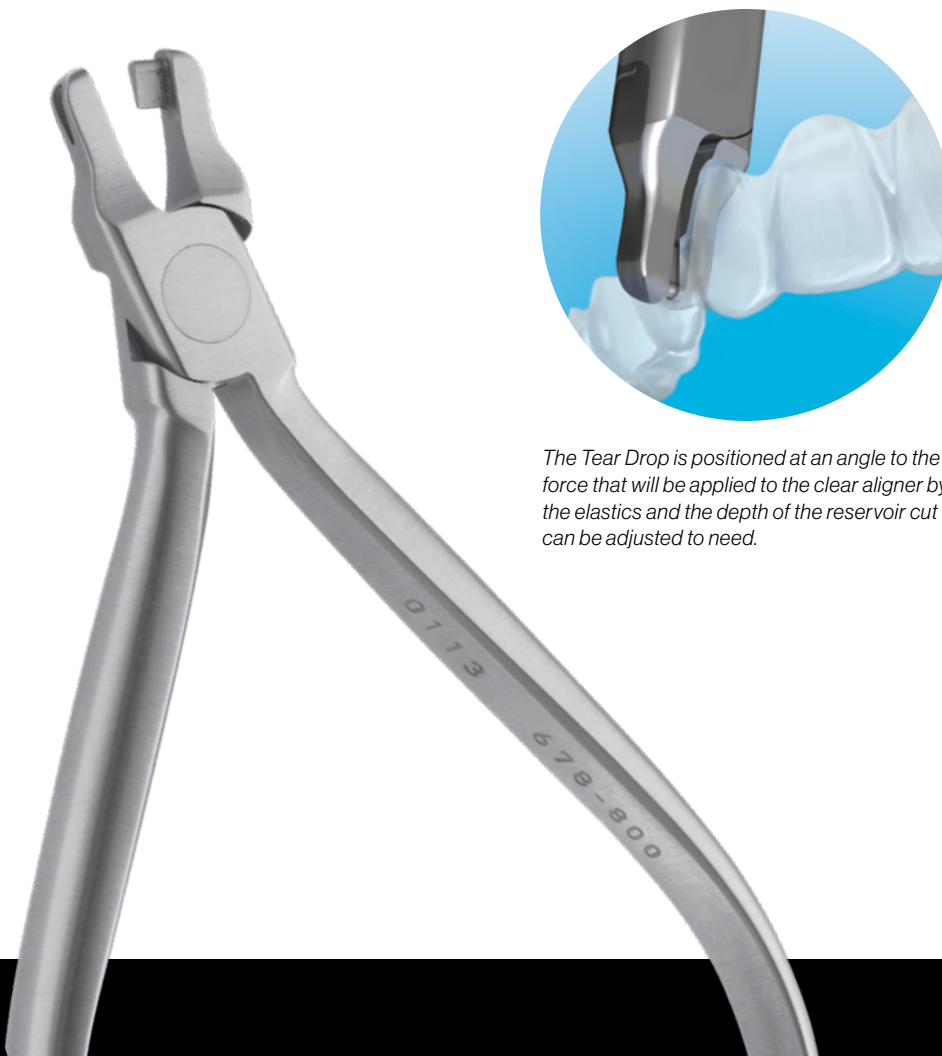
Unlike similar instruments in the market, our Clear Collection™ Instruments require no heating-up beforehand. These instruments are ready to cut and manipulate clear aligners when you are.



# THE TEAR DROP

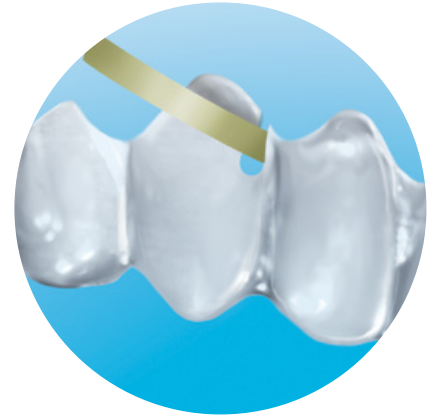
**678-800**

An instrument created to add a notch at the gingival margin of clear aligners anywhere elastic hooks are required within the arch. The Tear Drop provides a reservoir to hold the elastics in place as the aligner is seated. This permits easier manipulation of elastics by the patient.



*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.*

## Clear Aligner Cutters



*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.*



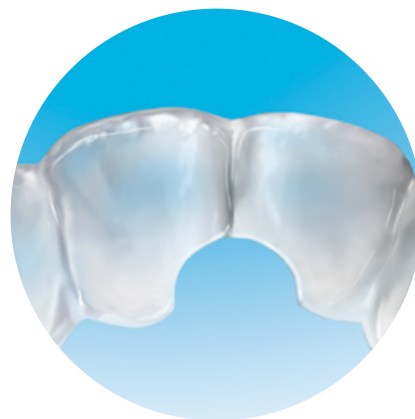
*The Tear Drop elastic hooks can be used in tandem with bonded attachments to direct eruption of teeth into aligners.*

# THE HOLE PUNCH

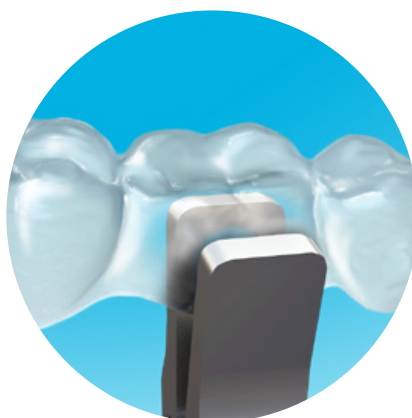
## Clear Aligner Cutters

### 678-803

The Hole Punch is used to create 6mm half-moon cutouts for relief of clear aligners around bonded buttons used for elastics. No need to attempt to attach buttons to plastic trays. In addition, the Hole Punch can nip away plastic to provide soft tissue clearance to prevent aligner impingement of tissue.



*The Hole Punch can also be used to 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 "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.*



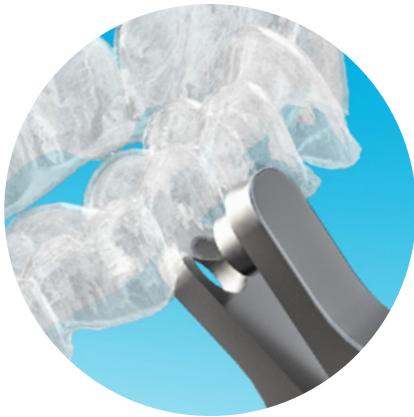


# THE PETITE PUNCH

## Clear Aligner Cutters

### 678-805

The Petite Punch cuts a 4.5mm 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 also nip away plastic to provide soft tissue clearance to prevent aligner impingement of tissue.



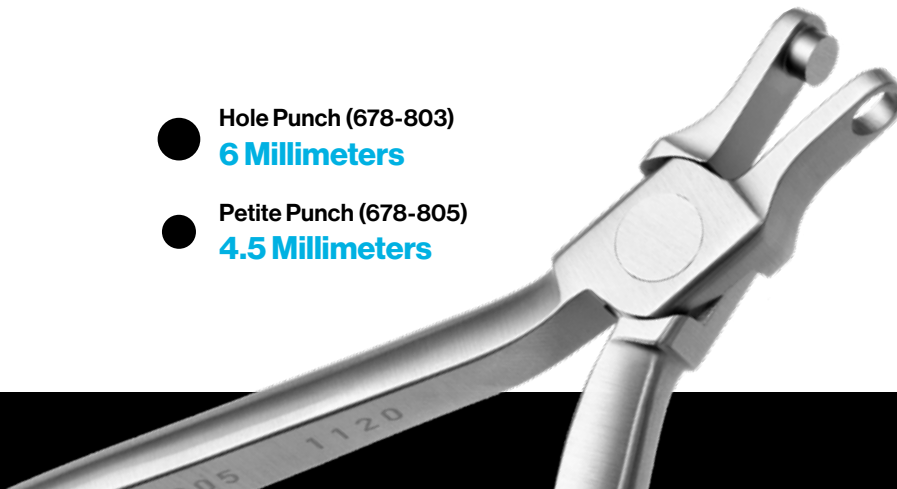
*The Petite Punch cuts a 4.5mm half-moon cutout in an aligner for relief of the plastic around bonded buttons used for elastics.*



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

● **Hole Punch (678-803)**  
**6 Millimeters**

● **Petite Punch (678-805)**  
**4.5 Millimeters**



## DESIGNED BY THE EXPERTS

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

# THE **BOOTSTRAP PUNCH**

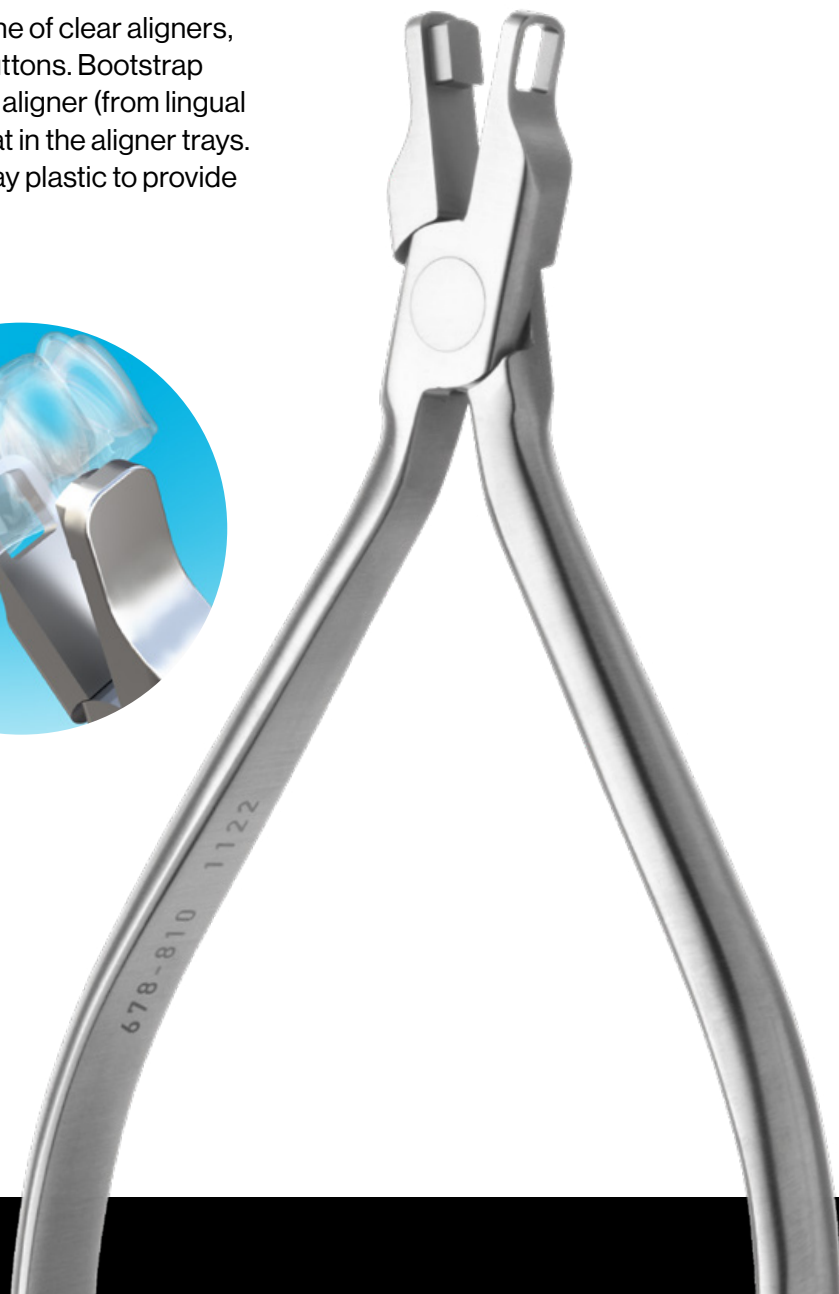
## Clear Aligner Cutters

### 678-810

The Bootstrap Punch creates a cut-out along the gumline of clear aligners, providing a window for perfect placement of bonded buttons. Bootstrap mechanics with orthodontic elastics stretched over the aligner (from lingual to labial button) assist with directing lagging teeth to seat in the aligner trays. In addition, the Bootstrap Punch may be used to nip away plastic to provide relief from impingement of tissue.



*The Bootstrap Punch is recommended for use on the labial and lingual sides of clear aligners' mandibular and maxillary gumlines, assisting with directing lagging teeth to seat into the aligner trays from a lingual-to-labial button. In addition, Bootstrap Punch is used for placing buttons and nip away impinging plastic.*



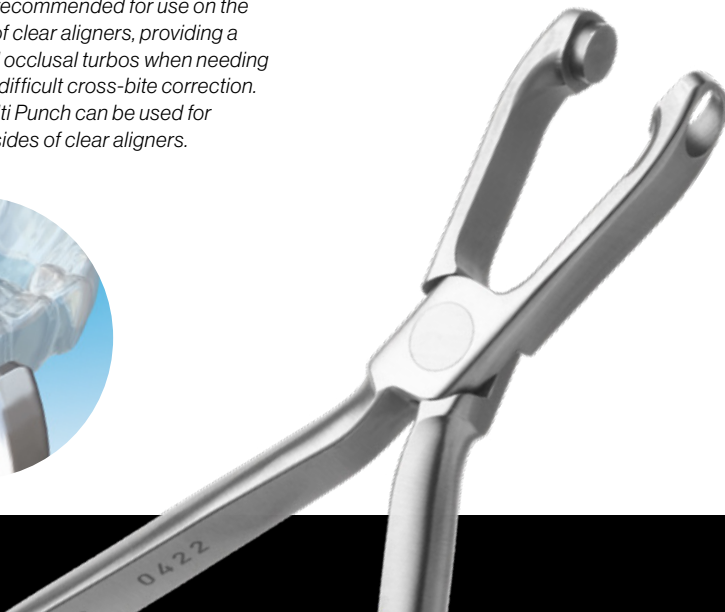
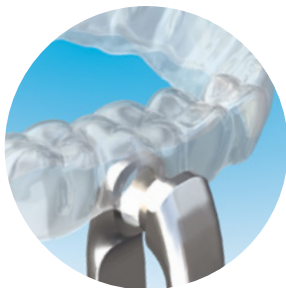
# THE MULTI PUNCH

**678-813**

The Multi Punch creates a cut out on the tough to access occlusal aspect of clear aligners to account for bonded occlusal “turbos” when needing to open the bite for a difficult crossbite correction. In addition, The Multi Punch is an all-in-one punch instrument. Capable of punching buccal, lingual, and occlusal surfaces.



*The Multi Punch is recommended for use on the posterior occlusal of clear aligners, providing a window for bonded occlusal turbos when needing to open the bite for difficult cross-bite correction. In addition, The Multi Punch can be used for buccal and lingual sides of clear aligners.*



## Clear Aligner Cutters



## DESIGNED BY THE EXPERTS

Dr. Judah Garfinkle received his DMD from the Harvard School of Dental Medicine, his MS and Certificate in Orthodontics at the University of Kentucky, and did a 2-year Craniofacial Fellowship in Craniofacial and Special Care Orthodontics at New York University. He is the Director of Craniofacial Orthodontics at OHSU Doernbecher Children's Hospital and maintains a private practice in Portland, Oregon that is 85% clear aligners. He has published multiple peer reviewed scientific articles and authored multiple book chapters. His clinical passion includes the use of clear aligners for his craniofacial and surgical patients.

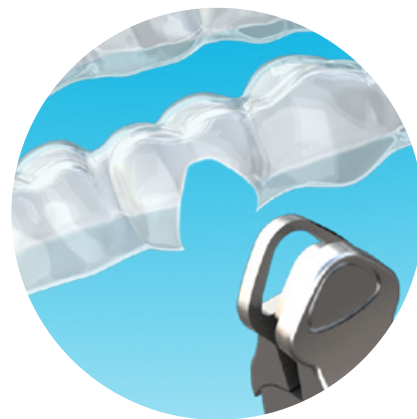
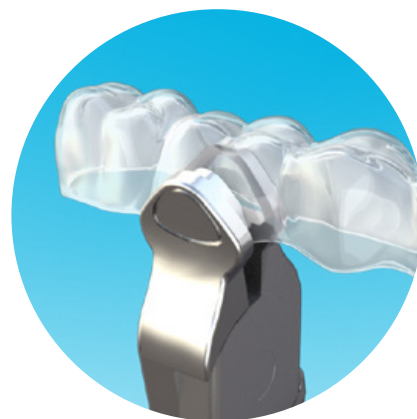
# THE PRECISION ALIGNER PUNCH™ INSTRUMENT

## Clear Aligner Cutters

**678-812**

The Precision Aligner Punch™ Instrument creates a cut-out along the posterior buccal and lingual gumline of molars on clear aligners. Providing a symmetrical window for precise placement of G2 Metal & Mini Precision Aligner Buttons® or smaller buttons. In addition, the Precision Aligner Punch can nip away plastic to provide relief from impingement of tissue.

*Spring loaded long handle design auto-returns for comfortable handling and quick positioning*



*Fits G2 Metal & Mini Precision Aligner Buttons® with a large contoured design for a reliable bond on molars. Fits smaller buttons.*





## DESIGNED BY THE EXPERTS

The tenth instrument in the collection, the Precision Aligner Punch™ Instrument, was co-developed by Dr. Chris Cetta, DMD, and Dr. Richard Kaye, DDS, MSD. Dr. Chris Cetta is a Board-Certified Orthodontist practicing with Blue Wave Orthodontics in Tampa and Bradenton, Florida. Dr. Cetta is the co-inventor of Precision Aligner Buttons® and the host of The Illuminate Orthodontic Podcast. Dr. Cetta also speaks regularly on orthodontic innovation and has had articles featured in the Journal of Clinical Orthodontics amongst other publications.

Dr. Kaye enjoys keeping current with the latest advances in orthodontics with his memberships in the American Association of Orthodontists and American Dental Society, among many others. Dr. Kaye also works in private practice after earning a Master of Science in Dentistry and his Orthodontic Certificate. His extensive eight years of general dentistry experience gives him a unique advantage in treating complicated restorative dental cases.



**Want to know more about the entire  
Clear Collection™ Instrument Line and  
the experts who created them?  
[HuFriedyGroup.com/Clear-Collection](https://HuFriedyGroup.com/Clear-Collection)**

# THE BITE PLANE

## Clear Aligner Indenters

### 678-809

The Bite Plane creates an outdent along the lingual side of the maxillary anterior of clear aligners. Providing a “bite turbo-like” effect with intrusive force on anterior teeth to help correct anterior deep bites and assist with closing posterior open bites.



*The Bite Plane is recommended for use on the lingual side of a clear aligner's anterior teeth, providing an intrusive force on those teeth to help correct anterior deep bites and assist in closing posterior open bites.*

# THE SPOT

## Clear Aligner Indenters

### 678-804

The Spot creates a tiny, rounded dimple for spot contacts to accent small individual tooth movements or added aligner retention. It is typically 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 also enhance the retentiveness of an aligner or retainer.



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



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

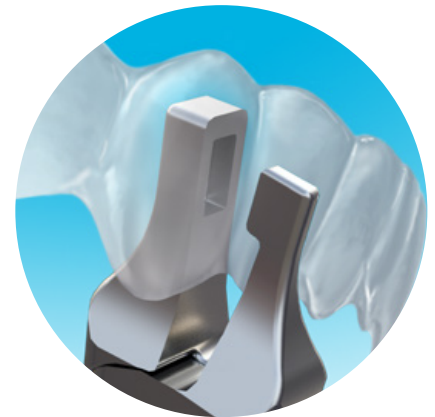


# THE VERTICAL

## Clear Aligner Indenters

### 678-801

Correcting rotations is often a challenge with aligners. The Vertical emphasizes over-correction of rotations by producing an indentation at the mesial or distal line angles on the facial and/or lingual of a specific tooth. As an option, a rotational couple can also be created using vertical indents on facial and lingual surfaces on opposing sides of a tooth. The Vertical can also be used to produce an indent to produce a mild “nudge” to enhance resolution of in-and-out discrepancies. It can also be used to apply an indent immediately next to an attachment to enhance the adaptation of the aligner to angle between that attachment and the aligner.



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

# THE HORIZONTAL

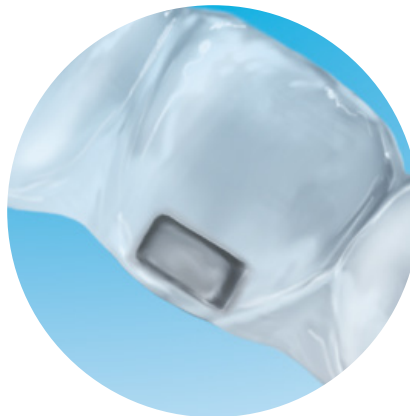
## Clear Aligner Indenters

### 678-802

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



*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 **CLOCKWISE & COUNTER CLOCKWISE WEDGE**

## Clear Aligner Indenters

### 678-808

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.



*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.*

### 678-807

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.



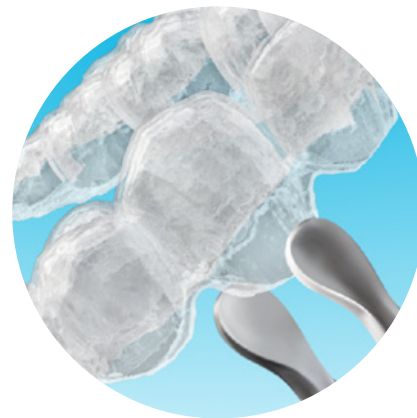
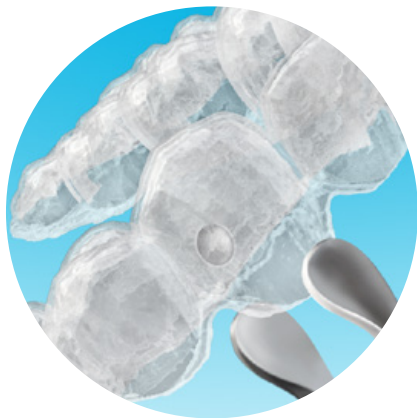
*The Counter Clockwise Wedge is used to produce a wedge shaped indent into the line angle of the facial and on the opposite line angle of the lingual plastic for a specific tooth to create a rotational couple.*

# THE ERASER

## Clear Aligner Indenters

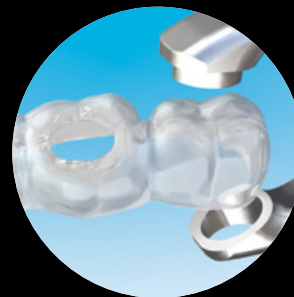
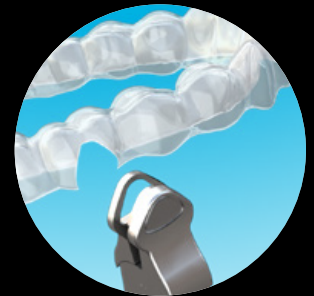
### 678-811

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.



*The Eraser is designed to reverse or remove unwanted indents placed by other instruments in the Clear Collection™ Series.*





**For more information about Clear Collection™ Instruments, visit  
/Clear-Collection**

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