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information and
to shop now

MERELY ILLUSTRATIVE IMAGES



**Quality and
variety of
products for
uncomplicated
orthodontics**



OUR HISTORY



Orthometric is a Brazilian company in Marília, São Paulo, founded in 2005 by Dentistry professionals.

We manufacture and market products for Orthodontics, always seeking Quality, Technology and Innovation.

Our factory occupies an area of 20,000 m2, using the latest technology to manufacture 1,200+ SKUs.

All our products are rigorously tested in our in-house laboratory with state-of-the-art equipment. We are also supported by a group of renowned orthodontists, who constantly evaluate the quality and performance of our products.

All of this is part of our vision of continued improvement to make the company an icon of worldwide representation for the quality of our products and services, ensuring the success of the treatment and making orthodontics a pleasant experience for both the orthodontist and their patient.

Today, our products are recommended by the main centers of excellence for teaching orthodontics in Brazil. We are present throughout Brazil and in more than 60 countries, always seeking to go above and beyond every day to ensure the satisfaction of our customers.



WE ARE GPTW

Orthometric was awarded the Great Place to Work seal in 2022!

In addition to the certifications of our products, which validate our manufacturing quality, we are a great place to work.

Helping the World Smile



ORTHOM
Helping the Wo



LEARN ABOUT THE LB2 TECHNOLOGY

LASER BOND BOOSTER



**MORE
EFFECTIVENESS
IN BONDING
ORTHODONTIC
ACCESSORIES**



The **LB2 (Laser Bond Booster)** Process is exclusive and patented by Orthometric.

It consists of **laser-texturing** the base of orthodontic accessories such as brackets, tubes, buttons, distalizers, increasing their **retentivity by up to 30%** and ensuring greater efficiency in the adhesion process.

You can **identify all products with this technology through the seal.**



 **Specialty**
PRODUCTS



METAL BRACKETS

TECHNOLOGY, PRECISION AND EFFICIENCY

The Orthometric Advanced Series metal bracket is produced with the most modern metallurgy process (MIM – Metal Injection Molding) that combines all quality and technology requirements in a single piece.

Excellent retention, prescription precision, and anatomical design achieved with the manufacturing process provide patients with a more efficient and comfortable treatment.

The Advanced Series brackets feature the exclusive patented **LB2 – Laser Bond Booster**, a laser texturing process on the base to increase retention ensuring greater adhesion efficiency.



AVAILABLE IN
6 DIFFERENT
PRESCRIPTIONS



DIFFERENTIAL

1 - LOW PROFILE DESIGN

Superior aesthetics and patient comfort

2 - BETTER FINISH AND HIGH PRECISION

MIM manufacturing process, resulting in an extremely precise prescription and an exceptional surface finish

3 - IDENTIFICATION COLOR

Easy bracket identification with a color system

4 - BETTER FITTING

The anatomical base of the bracket and the curvature in the mesiodistal and occlusogingival directions, provide greater comfort with smooth edges

5 - BETTER RETENTION

The design of the base retaining pins and the exclusive patented **LB2 – Laser Bond Booster**, a laser texturing process on the base, increases retention, providing better adhesion and safety for the orthodontist

6 - EASIER LIGATURE PLACEMENT

The twin wings design allows for easier placement and retention of ligatures, better rotational control, and less friction

7- SMOOTH ROUNDED HOOKS AND EDGES

Ensure that your patients have a comfortable experience

8 - DIFFERENT PRESCRIPTIONS

Available in 2 different prescriptions

Roth 0.022" e MBT 0.022"

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 **Specialty**
PRODUCTS

U-Clip®

SELF-LIGATING METAL BRACKET



INTERACTIVE BRACKET

U-Clip is an interactive self-ligating bracket with Nickel-Titanium Clip. Its elasticity and memory allows the bracket return to its original position without permanent deformations.

The interaction between the clip and archwire exerts light and continuous forces, ensuring the best movement control.

U-Clip brackets feature the exclusive patented LB2 – Laser Bond Booster, a laser texturing process on the base to increase retention, ensuring greater adhesion efficiency.

DIFFERENTIAL

1 - HIGH PRECISION AND RESISTANCE

Manufactured using the MIM (Metal Injection Molding) metallurgy process, which ensures the required robustness and rigidity of the product. The medical-grade 17/4H steel, provides an excellent finish and dimensional accuracy

2 - MIDLINE MARKING

Permanent midline marking facilitates bracket placement

3 - EXCELLENT SLIDING MECHANICS

Chamfers at the slot exits help reduce friction and minimize the effects of binding and notching

4 - CLIP OPENING AND CLOSING

Clip designed for simple opening and closing without the need for special instruments, using only an explorer

5 - NITI CLIP

Prevents permanent deformations under normal conditions of use due to the excellent elastic memory, ensuring greater durability and resistance

6 - ROUND DESIGN

Rounded, polished and edge-free design provides greater comfort to the patient

7 - BETTER FITTING

An anatomical base with mesiodistal and occlusal gingival curvatures, to facilitate placement

8 - EXCELLENT RETENTION

The retaining pins design and the exclusive patented LB2 – Laser Bond Booster, a laser texturing process on the base, increases retention

9 - ADHESIVE RETENTION EDGES

The retention edges prevent the resin from leaking and facilitate the excess adhesive removal, keeping it from obstructing the bracket clip

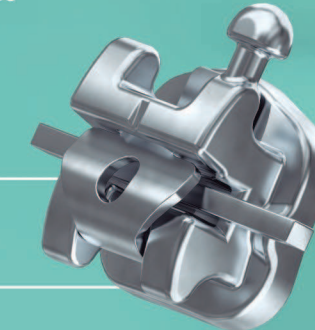
INTERACTIVE SYSTEM PASSIVE PHASE

The clip in the passive function reduces friction, increasing the efficiency of the sliding mechanics during the initial stages of treatment, promoting quick alignment and leveling. There is no clip pressure when using round wires, providing more comfort to the patient.

INITIAL PHASES:

LEVELING AND ALIGNMENT

- Greater efficiency in sliding mechanics
- Reduced friction
- No clip pressure on round wires



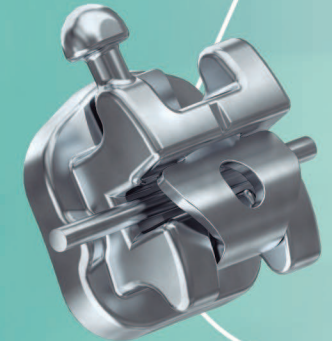
INTERACTIVE SYSTEM ACTIVE PHASE

In the subsequent stages of treatment, when higher gauge rectangular wires are used, the clip becomes active, exerting pressure on the wires and providing better torque and rotation control, allowing a more accurate expression of the prescription used.

MORE ADVANCED PHASES:

- The clip has an active function in rectangular archwires
- Better torque and rotation control
- More accurate expression of the prescription

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 **Specialty**
PRODUCTS

ICERAM[®].P

SAPPHIRE
POLYCRYSTALLINE



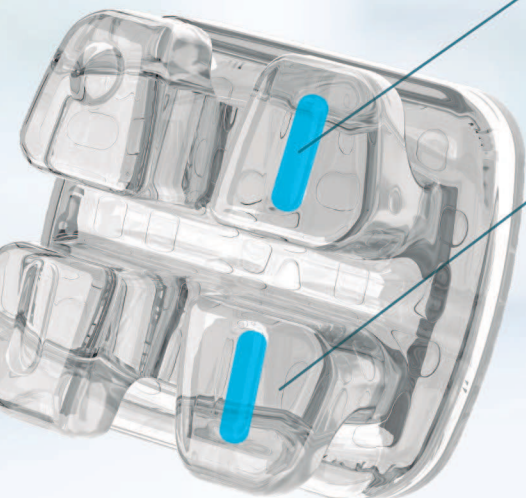
AESTHETIC BRACKETS

Iceram-P brackets are made with polycrystalline aluminum oxide, and submitted to state-of-the-art treatment, they become transparent, practically invisible, similar to sapphire brackets.

Resistant to pigmentation, they maintain its cosmetic feature until the end of the treatment, with no deteriorations or color change.

The Iceram-P brackets are the most innovative products in traditional cosmetic and orthodontic dentistry, assuring the resistance and comfort of polycrystalline ceramic brackets.

DIFFERENTIAL

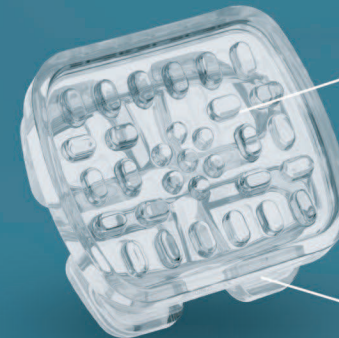


COLOR-CODED

- Color coding on the tie wings assure the bracket correct placement during bonding. Color can easily be removed.

COMFORT AND AESTHETICS

- Low profile, rounded edges, and spherical ball hooks brackets. Smooth contact surface and special curvatures;
- The brackets are resistant to oral pigmentation, providing the best cosmetic/orthodontic dentistry features for the treatment;
- 100% made of polycrystalline aluminum oxide;
- Products are submitted to a special treatment, which makes the parts transparent and crystalline, similar to sapphire, providing an excellent cosmetic result.



BONDING

- Anatomical base with mesiodistal and occlusal-gingival curvatures;
- Retaining edges on the base prevent resin leakage and facilitate the removal of excess adhesive;
- **LB2 Laser Bond Booster Technology:** Exclusive and patented laser texturing of the bracket base provides 30% greater retention. Retention pins increase the bonding area.

BASE WITH RETAINING EDGES

- Retaining edges on the base prevent resin leakage and facilitate the removal of excess adhesive.



ACCURACY AND PERFORMANCE

- Extremely resistant spherical hooks on cuspids and premolars, with an anatomical design for more comfort and easier elastic placement.
- Twin bracket design for better accommodation and retention of ligatures, more rotational control
- Slots with smaller contact areas for reduced friction
- Brackets have torque in the base, assuring more accuracy

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 **Specialty**
PRODUCTS

TUBES

AdvancedSeries®

The Orthometric Advanced Series tubes are produced with the most modern metallurgy process (MIM – Metal Injection Molding) that combines all quality and technology requirements in a single piece.

DIFFERENTIAL

- Top notch that allows better control when positioning the tube
- Permanent engraving U (Upper) and L (Lower) indicating the correct position of each tube
- Funneled entrance to facilitate archwire insertion
- Tweezer lodgment for positioning
- Totally spherical hook that provides more comfort to the patient and excellent accommodation of the elastics
- An anatomical base with mesial-distal and occlusal-gingival curvatures, buccal groove and smooth edges for a better fit
- Can be used for 1st and 2nd molars
- Retaining pins at the base that ensure even greater adhesion efficiency



Orthometric SS

WIRES AND ARCHWIRES

Orthometric SS products are manufactured with a superior Nickel-Chrome alloy (Stainless Steel) that provides excellent surface finish and polish, ensuring the high quality of the product, surface gloss and good formability, weldability and strength.

The archwires Orthometric SS are also available in Esthetic version, that receive a layer of the noble metal Rhodium, ensuring a whitish touch similar to tooth color.



Intraoral Arch

Flexy®NiTi

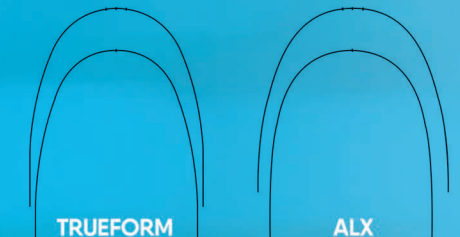
FREEDOM OF MOVEMENT MAY BE A MATTER OF TECHNOLOGY!

FLEXY NiTi SUPER ELASTIC ARCHWIRES

Preformed archwires designed to provide alignment, rotation and leveling with safety and comfort for your patient.

Given their high flexibility coefficient, these NiTi archwires correct crowding without the need for bending. Flexy NiTi super elastic rectangular archwires can be very effective for aligning and leveling brackets, preparing them to receive the stiffest, thickest wires typically required for finishing mechanics.

Available in ALX and Trueform formats.



FLEXY NiTi THERMAL 35° ARCHWIRES

Orthometric's Flexy NiTi Thermal 35° archwires are thermally activated at 35°C, which provides them with greater flexibility with more continuous and lighter forces compared to conventional NiTi alloys. Ideal for a safe biological response during tooth movement.

Thermal activation above room temperature and close to body temperature facilitates wire adaptation to the oral cavity.

Available in ALX and Trueform formats.



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ElastOmeric

ORTHOMETRIC ELASTIC LINE

- Intraoral and Extraoral Elastics
- Separators
- Elastic Positioners
- Modular Ligatures
- Elastics in Chains

All polymers, pigments and additives used by Orthometric are medical grade, focusing on resistance to absorption and pigmentation to avoid color change and deformation.



INTRAORAL AND EXTRAORAL ELASTIC

BRAZILIAN JUNGLE BOX

Orthometric intraoral and extraoral elastics are made of the highest quality using surgical latex delivering consistent forces you can rely on.

The different sizes and forces are associated to animals from the Brazilian Fauna, making it easier for patients to identify them.

- High quality medical grade materials
- Perfect thickness and precision cutting
- Calibrated forces and excellent shape memory
- Ziplock bags and a printed identification for patients
- Mild mint aroma



RADIOPAQUE ELASTIC SEPARATORS

MODULAR ELASTIC

MAXIMUM CLINICAL EFFICIENCY

Orthometric modular ligatures are presented in modules with 22 ligatures. They are manufactured with a unique design that facilitates the application and fitting to brackets.

ELASTICITY

They have excellent elasticity, keeping their force active for longer and meeting all memory and resistance requirements to provide an efficient and high-quality treatment.



ELASTIC IN CHAIN

- 23 different colors
- 1.50 m and 4.5 m options
- Available in short, medium and long links



23
colors
options

- | | | | |
|---------------|--------------|--------------|----------------|
| Blue | Grey | Light Purple | Crystal Orange |
| Red | Crystal | Lemon Yellow | Pearl |
| Pink | Crystal Blue | Silver | Pearl Blue |
| Black | Navy Blue | Baby Blue | Pearl Green |
| Sea Green | Purple | Baby Pink | Crystal Grape |
| Crystal Green | White | Crystal Red | |

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Specialty
PRODUCTS

PLIERS

PERFORMANCE, COMFORT AND PRECISION!

The Orthometric line of Pliers was designed to provide the professional with maximum performance, comfort and precision. Made of surgical steel, the innovative joint adjustment design and surface finish provide excellent quality and durability.

DIFFERENTIAL

- Made of high-quality surgical steel
- 1 year warranty against manufacturing defects
- Active tips made of widia (tungsten carbide), a strong corrosion-free material, which ensures precision and durability
- Ergonomic Design for maximum comfort and safety during procedures
- Adjusted joints promote smoother handling, requiring less effort from the professional

CUTTING PLIERS



Distal Cutting Pliers
with Carbide



Distal Flush Cutting
Pliers with Carbide



Universal
Weingart Pliers

PLIERS FOR ADAPTATION

PLIERS FOR REMOVAL



Aesthetic Bracket
Removal Pliers



Straight Bracket
Removal Pliers (346)



Band/Resin Removal
Pliers with Carbide (347)



Plastic Tip for Band/
Resin Removal Pliers

INSTRUMENTS



Mathieu Needle Holder
(14 cm – 140 mm)



Mini Mathieu Needle
Holder (11.5 cm – 115 mm)



Band
Seater



Bracket
Tweezers



Tube
Tweezers



Torque Wrench
0.017 x 0.019

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Specialty
PRODUCTS

ALIGNERS ACCESSORIES

ICERAM[®] CERAMIC TUBE



- Due to its reduced size, anatomical design, and rounded edges, it offers much more comfort to the patient and expands the application possibilities for the orthodontist.
- Allows bonding in situations of difficult access, such as partially erupted second molars, where only the mesiobuccal cusp is visible
- Mechanical retention made with laser texturing of the base through the patented technology LB2 – Laser Bond Booster,
- Universal design allows use on both upper and lower arches
- Anatomical base curvature, with double mesiodistal and cervico-occlusal radius curvature
- Tapered slot entry for easy archwire insertion.
- Gingival offset from the base, with displacement, which allows bonding more toward the cervical, reducing the incidence of occlusal interference.

CHARACTERISTICS

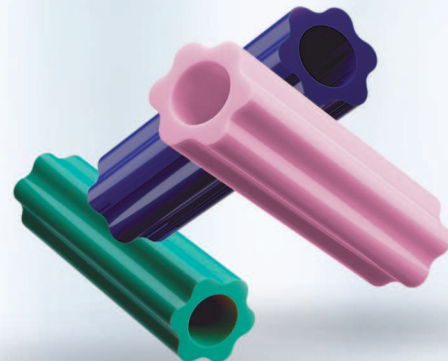
- Torque = -7.0°
- Angle = 0°
- Distal Offset = 0°
- Width M/D = 3.0mm
- Slot .022"x.028"

ORTHO Chewie

INDICATION OF USE

Ortho Chewie teethers are used to enhance tooth movement in treatments with orthodontic aligners, through the correct adaptation of the plates in the dental arch.

The correct placement of the plates is fundamental to guarantee the tooth movement at the right time and the success of the treatment with orthodontic aligners.



ICERAM[®] CERAMIC BUTTON



- Made of clear polycrystalline ceramic
- They can be bonded on the buccal or lingual surfaces of teeth when initial positioning makes bonding other accessories difficult, as a support point for applying force.
- Can be used with aligners or with brackets
- Mechanical retention made with laser texturing of the base through the patented technology LB2 – Laser Bond Booster,
- Universal design, allows use on both upper and lower arches
- Concave base anatomical curvature with double mesiodistal and cervico-occlusal radius curvature on the bonding base.

INDICATION OF USE

- Correction of rotations
- Extrusion and intrusion of teeth
- Closure of interproximal spaces
- Traction
- Anchoring and retraction systems
- Uprighting of molars.
- Distalization with distalizers

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Specialty
PRODUCTS

ALIGNERS ACCESSORIES

CLEAR DISTALIZER ICERAM®

Aesthetic orthodontic appliance used to treat Class II patients in the permanent or mixed dentition and connecting the maxillary canine or premolar to the first or second molar.

INDICATIONS FOR USE

The Iceram Distalizer is indicated for the distalization of molars, premolars and canines in cases of Class II malocclusion.

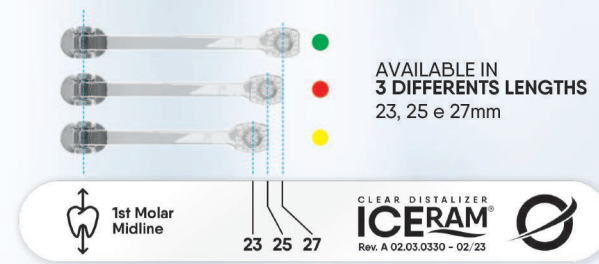
MAIN ADVANTAGES OF THE ICERAM DISTALIZER

- Easy to install
- It has excellent patient acceptance, as it is aesthetic and comfortable
- It promotes the resolution of anteroposterior problems in a fast and stable way, since it allows the use of elastics right at the beginning of the treatment
- Allows rotation of molars and distalization of premolars and canines in bloc, allowing greater correction stability
- Class II correction is not overjet dependent
- In asymmetrical cases, its effect allows the midline to be corrected during its use spontaneously
- Can be used for treatment with fixed appliances or aligners
- Its pieces are universal, they can be used for right and left arches
- Available in 3 lengths (23, 25 and 27 mm)
- Color coded for easy identification of size that are easily removed right after installation

SIZE SELECTION

Select size using a flexible millimeter ruler, measuring from the midpoint of the facial surface first molar to the midpoint of the facial surface cuspid.

The Iceram Distalizer can be of equal or different sizes on each side, right and left, depending on the distance obtained by the ruler.



Comes with 1 ruler

Helping
the
World
Smile



YOU DESERVE ALL THE EXCELLENCE OF ORTHOMETRIC PRODUCTS

- Metal and Ceramic Brackets
- NiTi Archwires • SS Wires • Buccal Tubes
- Elastomeric Ligatures and Chains • Pliers
- Orthodontic Accessories



COMPLETE
PRODUCT
CATALOG



Specialty
PRODUCTS™

ORTHOMETRIC®