Lab Facilities

We make it our priority to ensure your satisfaction in all products and services. We provide the best turn around time in the United States.

At Universal Orthodontic Lab, we guarantee all cases within 5 days or less. We know how valuable your patients are to you; it is our goal to provide you courteous, prompt, and reliable service now and in the future.

Company History

Universal Orthodontic Lab is an in-house manufacturing company specializing in orthodontic appliances and supplies. Universal Orthodontic now serves customers all around the world since it first opened in 1985.

We have experienced laboratory technicians helping to exceed the needs of our clients by producing top quality products and services. We produce long lasting durable appliances while maintaining competitive prices. We are now currently located in Los Angeles California.

The Universal Commitment

Universal is committed to you and your practice by developing and implementing the newest technologies to provide the highest quality in products, service, and value. We take extreme pride in every task we are given, and our goal is to provide you courteous, prompt, and reliable service now and in the future.

Value. Quality. Satisfaction.
Introducing New 3D Technology

3D printer and scanner provides
- universal aligners
- custom fabricated appliances
- create STL files
- printed study models
- digital study models

STL Files advantages
- treatment planning and simulations
- flexible fabrication options
- print high quality study or work models

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UPGRADED: Laser Welding
Silver Solder
260% increase in strength compared to silver solder

Laser Welding

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TRADITIONAL METHOD

Day 1
Patients impressions are taken using traditional alginate method.

Day 2-5
Impressions are shipped to Universal Orthodontic Lab.*

Day 5
Impressions are received by our technicians, and stone models are created.

Day 6-8
Universal Orthodontic Lab’s technicians begin appliance fabrication on 3D printed models.

Day 8
Appliances undergo rigorous Quality Control checks to ensure order accuracy and proper fit.

Day 8-11
Appliances are delivered back to you.

*All work done in lab will take 3 days to complete. Shipping time varies on distance and/or shipping carrier.

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DIGITAL METHOD

Day 1
Patient’s mouth is scanned using an intra-oral scanner and files are sent to Universal Orthodontic Lab.*

Day 2
Universal Orthodontic Lab’s technicians begin appliance fabrication on 3D printed models.

Day 3
Appliances undergo rigorous Quality Control checks to ensure order accuracy and proper fit.

Day 4-7
Appliances are delivered back to you.

MORE PRECISE. MORE EFFICIENT. TIME SAVER.

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Day 1
Day 1
Day 2-5
Day 2
Day 5
Day 5
Day 6-8
Day 6-8
Day 8
Day 8
Day 8-11
Day 8-11

Patients impressions are taken using traditional alginate method.

Impressions are shipped to Universal Orthodontic Lab.*

Impressions are received by our technicians, and stone models are created.

Universal Orthodontic Lab’s technicians fabricate appliances.

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Silver Solder

Laser Welding

Day 1
Day 1
Day 2-5
Day 2-5
Day 5
Day 5
Day 6-8
Day 6-8
Day 8
Day 8
Day 8-11
Day 8-11

TRADITIONAL METHOD vs DIGITAL METHOD

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Day 1
Day 1
Day 2-5
Day 2-5
Day 5
Day 5
Day 6-8
Day 6-8
Day 8
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OUR TEAM’S FOCUS IS TO PROVIDE YOU THE HIGHEST LEVEL OF SERVICE.

“Excellence in Service Since 1985”
The Circumferential Flat Bow Retainer offers excellent retention and control of the entire arch as the labial arch wire extends from molar to molar. The “C” Clasps are placed distal from the molar for retention of the appliance. These clasps are preferred in order to prevent any occlusal interference.

The Circumferential Retainer provides excellent retention and control of the entire arch as the labial arch wire extends from molar to molar. The “C” Clasps are placed distal from the molar for retention of the appliance. These are preferred in order to prevent any occlusal interference.

Hawley Retainer with Flat Bow Lower
The Hawley Flat Bow Retainer has various substantial features. It provides excellent retention and control of the entire arch as the labial arch wire extends from canine to canine. The “C” Clasps are placed distal from the canine for retention of the appliance. These are preferred in order to prevent any relapse.

Hawley Retainer with Flat Bow Upper
The Hawley Flat Bow Retainer has various substantial features. It provides excellent retention and control of the entire arch as the labial arch wire extends from canine to canine. The “C” Clasps are placed distal from the canine for retention of the appliance. These are preferred in order to prevent any relapse.

Hawley Retainer with Flat Bow Lower
The Hawley Retainer consists of a metal wire on an acrylic arch. It is used after treatment for retention of the lower arch. The acrylic arch is designed to fit comfortably on the palate of the patient’s mouth. This retainer has the additional benefit of being adjusted by the orthodontist to ensure teeth stay in the desired position.

Hawley Retainer with Flat Bow Upper
The Hawley Retainer consists of a metal wire on an acrylic arch. It is used after treatment for retention of the upper arch. The acrylic arch is designed to fit comfortably on the palate of the patient’s mouth. This retainer has the additional benefit of being adjusted by the orthodontist to ensure teeth stay in the desired position.

Standard Hawley Retainer Upper
The Standard Hawley Retainer consists of a metal wire on an acrylic arch. It is used after treatment for retention of the upper arch. The acrylic arch is designed to fit comfortably on the palate of the patient’s mouth. This retainer has the additional benefit of being adjusted by the orthodontist to ensure teeth stay in the desired position.

Standard Hawley Retainer Lower
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### Astic Retainer
The Astic Retainer is comparable in design to a traditional Hawley with the exception of the front labial bow, which is made of multi-layered composite material. This imparts superior strength, durability, and aesthetics. This retainer offers a clear colored labial bow. Adjustments are possible through the U-loops.

### Removable Anterior Bite Plate
A Bite Plate is made of a thickened platform of acrylic. It is a removable appliance extending off of the base plate. The bite plate is designed for the treatment of deep overbite. It is also used to prevent patient’s occlusal surface of the teeth from interfering.

### Sliding Retainer
The Sliding Retainer closes up a small amount of excess space by providing a constant, light lingual pressure, sufficient to retract the anteriors. The amount of force is determined by the size of the elastic which is stretched between the hooks on the labial wire and the tube soldered to the Adams clasps through which the elastic slides.

### Standard Spring Retainer Upper
This appliance is useful in correcting minor rotations, crowding, and relapse. The teeth are set up in the corrected position on the model and then the appliance is constructed. When worn by the patient, the resulting labial-lingual force will align the teeth. Upper arch clasp may vary.

### Standard Spring Retainer Lower
This appliance is useful in correcting minor rotations, crowding, and relapse. The teeth are set up in the corrected position on the model and then the appliance is constructed. When worn by the patient, the resulting labial-lingual force will align the teeth.
**REMovable Appliance**

- **Open Spring Retainer Lower**
  This appliance is useful in opening the mandible to correct tongue posture and anterior minor rotations, flared out or crowded teeth. The retainer includes a labial helical and lingual spring with labial-lingual acrylic pads, palatal wire with an omega loop and a choice of clasp. When worn by the patient, the resulting labial-lingual force will align the teeth and activation of the omega loop will open premaxilla.

- **Open Spring Retainer Upper**
  This appliance is useful in opening the arch to correct tongue posture, anterior minor rotations, crowding or relapse. The retainer is comprised of a curve helical spring with acrylic pads on both the labial and lingual, a palatal wire with an omega loop, and a choice of clasp. When worn by the patient, the resulting labial-lingual force will align the teeth.

- **Premax Spring Retainer**
  This appliance opens the premaxilla to correct tongue posture and anterior minor rotations, crowding or relapse. The retainer is comprised of a curve helical spring with acrylic pads on both the labial and lingual, a palatal wire with an omega loop, and a choice of clasp. When worn by the patient, the resulting labial-lingual force will align the teeth and activation of the omega loop will open premaxilla.

- **Premand Spring Retainer**
  This appliance opens the mandible to correct tongue posture and anterior minor rotations, flared out or crowded teeth. The retainer is comprised of a curve helical spring with acrylic pads on both the labial and lingual, a palatal wire with an omega loop and a choice of clasp. When worn by the patient, the resulting labial-lingual force will align the teeth.

**Splint**

- **Standard Splint (Hard Acrylic Night Guard)**
  This splint is designed with clear acrylic over the entire occlusal arch. The appliance features a smooth flat surface or may include contact points to improve the temporomandibular joint (TMJ) position or bruxism. The occlusal surface can be finished in any manner desired, for example, cuspid rise and/or anterior guidance to disarticulate the teeth in protrusive/excursive movements.

- **Thermoplastic Night Guard**
  This splint is designed over the entire occlusal arch, comprised of a smooth flat surface or may include contact points to improve the temporomandibular joint (TMJ) position or bruxism. It becomes entirely pliable under the influence of warm temperatures. It can also have a soft/hard composition with hard occlusal layer. The material is amine free so it will remain clear and never yellow. A Thermoplastic Night Guard is self-adjusting when placed in hot water before inserting in the mouth.

- **Gelb Splint**
  The Gelb is a flat plane mandibular splint, with occlusal coverage over the posteriors, designed for treatment of closed-lock cases. A metal lingual bar is usually the major connector, which allows plenty of tongue room. The patient needs to relax the disc before moving to a pull-forward splint. This splint balances the position of the jaw and the bite will then stabilize.

- **Soft Type Night Guard**
  This splint is made with 3mm clear silicone material over the entire occlusal arch. The night guard may have a smooth flat surface or with contact points, depending on the patient’s needs. This splint is placed over the entire occlusal arch to improve minor bruxism.
Fan Type Expander Removable

The Fan type expander utilizes a hinged screw to widen the anterior while maintaining molar width. The appliance splits the mid-palatine suture, causing the transversal diameter of the maxillary anterior arch to enlarge, while leaving the posterior transversal diameter unchanged.

Three-Way Expander

This device is unique due to its three independent features. There are three expanding sections in one appliance for sagittal anterior and transverse development. Each section can be separately activated. This appliance is ideal for palates large enough to handle the dimension of the screw. Due to its considerable bulk, it is not suitable for narrow palates or younger patients.

Sagittal Appliance

The Sagittal Appliance is a removable appliance designed to expand the upper anterior(s) forward. This is accomplished by turning the screw(s) that are incorporated into the appliance. The appliance is comprised of acrylic and metal, fitting comfortably in the roof of the patient’s mouth.

Transverse Appliance

The Transverse Appliance is a simple variation of the basic Schwartz. It has the same basic components as the Schwartz with the following exceptions: it has two expansion screws instead of one, and an extra pair of Adams Clasps are added. This appliance has the function to expand the arch laterally. The Transverse delivers superior expansion force to the arch. A labial bow and posterior bite blocks are optional.

Schwartz Appliance Upper

The Schwartz Appliance is a removable appliance designed to expand the lower jaw and create the needed space for development of permanent teeth. This appliance works by turning the expansion screw. Once the lower arch is expanded, the appliance is left in place for a period of time to stabilize the bone and maintain the correction.

Schwartz Appliance Lower

The Schwartz Appliance is a removable appliance designed to expand the lower jaw and create the needed space for development of permanent teeth. This appliance works by turning the expansion screw. Once the lower arch is expanded, the appliance is left in place for a period of time to stabilize the bone and maintain the correction.

Sagittal Appliance

The Sagittal Appliance is a removable appliance designed to expand the upper anterior(s) forward. This is accomplished by turning the screw(s) that are incorporated into the appliance. The appliance is comprised of acrylic and metal, fitting comfortably in the roof of the patient’s mouth.

Three-Way Sectional

This device is unique due to its three independent features. There are three expanding sections in one appliance for sagittal anterior and transverse development. Each section can be separately activated. This appliance is ideal for palates large enough to handle the dimension of the screw. Due to its considerable bulk, it is not suitable for narrow palates or younger patients.

Nord Appliance

The Nord Appliance is designed for corrections of a unilateral cross bite. To achieve this, the acrylic is cut distal from the cuspid (on the side in need of expansion), to the mid line, then along the mid line to the heel of the appliance. It uses a smooth posterior bite plate on the side to expand the flange on the opposite side for support and anchorage.

The Sagittal Appliance is a removable appliance designed to expand the upper anterior(s) forward. This is accomplished by turning the screw(s) that are incorporated into the appliance. The appliance is comprised of acrylic and metal, fitting comfortably in the roof of the patient’s mouth.

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The Space Maintainer holds the space open so that the new adult teeth take the time they need to develop naturally below the gum line. Space maintainers prevent the neighboring teeth from crowding. This allows the new adult tooth to complete its development and break through the gums to take its place naturally and without interference from neighboring teeth.

The Transpalatal Arch is designed with a solid transpalatal bar or with an omega loop. The Transpalatal Arch is a wire that goes across the roof of the palate with bands attached onto the two upper first molar teeth. It is used to maintain expansion and distalization in the molars. This appliance is available as both a permanent retainer or as a removable appliance.

The Bonded Lingual Retainer is designed for ease, accuracy and durability. It is a form of retention utilizing a wire. This retainer is contoured accurately and bonded directly to the back of patient’s incisors (upper or lower front teeth). The substance used to bond this retainer is the same used to bond braces. This retainer is an ideal method to prevent teeth from shifting and maintaining your patient’s orthodontic result.

The Rickanator is made of a thickened ramp of acrylic. It is a fixed appliance extending off of the base plate with bands and arch wire. The Bite Ramp is designed for the treatment of Class II deep overbite and curve of spee. It is also used to prevent overjet by allowing the back teeth to erupt.

The Bonded Lingual Retainer (braided wire) is created for ease, accuracy and durability. The retainer is contoured accurately and bonded directly to the back of patient’s incisors (upper or lower front teeth). The substance used to bond this retainer is the same used to bond braces. This retainer is an ideal method to prevent teeth from shifting and maintaining your patient’s orthodontic result.

The appliance is designed to prevent arch length loss by sustaining the position of the maxillary molars. Bands are placed on the two back molars of the upper arch, one on each side, with a wire connecting the insides of the bands. An acrylic pad covers the wire that touches the roof of the mouth. The Nance is commonly used to keep the upper molars from drifting forward. It is also frequently used during full banding and bracketing to create an anchorage unit.

The Nance appliance is designed for ease, accuracy and durability. The retainer is contoured accurately and bonded directly to the back of patient’s incisors (upper or lower front teeth). The substance used to bond this retainer is the same used to bond braces. This retainer is an ideal method to prevent teeth from shifting and maintaining your patient’s orthodontic result.

The Rickanator/Bite Ramp

The Fixed Retainer

The Fixed Retainer with Pads

The Fixed Anterior Bite Plate

The Lower Lingual Holding Arch

The Nance Appliance

The Fixed Retainer

The Nance Appliance

The Rickanator/Bite Ramp

The Transpalatal Arch Appliance

The Space Maintainer

A Fixed Bite Plate is composed of a thickened platform of acrylic. It is a fixed appliance extending off of the base plate with bands and arch wire. The bite plate is intended for the treatment of deep overbite. It is also used to prevent patient’s occlusal surface of the teeth from interfering.

The Lower Lingual Holding Arch is designed to maintain the position of the lower molars as the primary teeth are falling out. It consists of two metal bands cemented onto two lower molars. Attached to the bands is a U-shaped bar. This appliance is worn and remains in place until permanent teeth begin erupting.
We know how valuable your patients are to you; it is our goal to do whatever possible to keep you and your patients satisfied.

**Pendulum Appliance**
The Pendulum Appliance is designed to move molars in a more posterior direction to create space for permanent teeth to develop naturally and correct crowding. The appliance is in a fixed position and comprised of bands around the maxillary (permanent first molar teeth). Stainless steel occlusal wires sit in the grooves of the middle teeth, composite resin helps anchor the appliance, an acrylic frame sits on the roof of the mouth, and springs are attached to the bands.

**Pedo Partial**
A Pedo Partial is a removable appliance for children. They are used to replace teeth lost due to extensive cavity, decay or injury. This appliance restores the natural appearance of teeth and serves as a holding space until the permanent adult teeth can come in properly without crowding.

**Distal Shoe**
The Distal Shoe appliance is a space maintainer with a stainless steel band or crown. It is an effective appliance for the guidance of an unerupted permanent 1st molar after the premature extraction loss of the 2nd primary molar.

**W-Arch Upper**
The W-Arch appliance is used for the expansion of the upper teeth. Unlike the RPE, it does not expand the whole upper arch, but instead widens only the teeth in the arch form. The W-Arch is bonded to the permanent upper molars. It is activated prior to placement and will expand at a gradual rate. The W-Arch is the simplest of the “W” expander design appliances.

**Quad Helix Upper**
The Quad Helix Expander is an appliance designed for the maxillary (Upper) arch. The stainless steel wire is used to gain development of the arch while concurrently achieving an upright position of the molars. This is possible through the position and use of the helix coils (The absence of the anterior helixes also provides patient comfort).

**W-Arch Lower**
The W-Arch appliance is used for the expansion of the lower teeth. Unlike the RPE, it does not expand the whole lower arch, but instead widens only the teeth in the arch form. The W-Arch is bonded to the permanent lower molars. It is activated prior to placement and will expand at a gradual rate. The W-Arch is the simplest of the “W” expander design appliances.

**Quad Helix Lower**
The Quad Helix Expander is an appliance designed for the mandibular (lower) arch. The stainless steel wire is used to gain development of the arch while concurrently achieving an upright position of the molars. This is possible through the position and use of the helix coils (The absence of the anterior helixes also provides patient comfort).
Rapid Palatal Exander

This Rapid Palatal Expander is designed to create room in the patient’s mouth by widening the upper palate. This appliance breaks the median suture and remains in position until the bone fills the gap between the two halves of the maxilla. Sometimes patients or parent of patient may have to turn the expansion screw key as instructed, to tighten up the expander. As the key is turned, some patients may feel initial pressure.

Haas Appliance

The Haas Appliance is developed for lateral expansion. It utilizes acrylic to support the palatal expansion screw and adds extra stability to the appliance. The acrylic closely contacts the palatal mucosa and makes it effective for opening and separating the mid-palatal suture. It adequately offers expansion by applying force on the teeth and palatal mucosa.

Bi-Helix Upper

The Bi-Helix Expander is created for the maxillary (Upper) arch. The stainless steel wire is used to gain development of the arch while simultaneously achieving an upright position of the molar. This is possible through the position and use of the helix coils (The absence of the anterior helixes also provides patient comfort).

Bi-Helix Lower

The Bi-Helix Expander is designed for the mandibular (lower) arch. The stainless steel wire is used to gain development of the arch while simultaneously achieving an upright position of the molar. This is possible through the position and use of the helix coils (The absence of the anterior helixes also provides patient comfort).

Compact RPE Upper

This appliance is constructed with a palatal expansion screw and acrylic pads on the posterior segments. The framework encircles all of the posterior teeth and supports the acrylic posterior bite plane. The occlusal pads aid in controlling torque and they reduce the amount of vertical (skeletal) opening that occurs as a result of treatment. It works best if it is cemented to the posterior teeth and is removed after the desired expansion is achieved.

Bonded RPE Upper

This appliance is designed to create room in the patient’s mouth by widening the upper palate. It breaks the median suture and remains in position until the bone fills the gap between the two halves of the maxilla. Sometimes patients or parent of patient may have to turn the expansion screw key as instructed, to tighten up the expander. As the key is turned, some patients may feel initial pressure.

Compact RPE Lower

This appliance is designed to create room in the patient’s mouth by widening the lower palate. It breaks the median suture and remains in position until the bone fills the gap between the two halves of the maxilla. Sometimes patients or parent of patient may have to turn the expansion screw key as instructed, to tighten up the expander. As the key is turned, some patients may feel initial pressure.

Fixed RPE Lower

The Fixed Sagittal is a fixed appliance used to expand the upper anteriors forward. This is accomplished by turning the screw(s) that are incorporated into the appliance. The appliance is comprised of bands, acrylic, and metal, and fits comfortably in the roof of patient’s mouth.

Fixed Sagittal

The Fixed Sagittal is a fixed appliance used to expand the upper anteriors forward. This is accomplished by turning the screw(s) that are incorporated into the appliance. The appliance is comprised of bands, acrylic, and metal, and fits comfortably in the roof of patient’s mouth.
At Universal Orthodontic Lab, our goal has been to produce long lasting durable products while maintaining competitive prices.

**T-Rex**
The T-Rex is an expansion appliance that is designed to accomplish both lateral expansion and molar distalization by widening the upper jaw. It is also used to push the upper molars back. The appliance’s bands are placed on the first permanent molars and uses an expansion screw and locking wires.

**Fan Type Expander**
This appliance is used mainly in narrow, "V" shaped arches. It is easily welded to bands due to its long arms. The Fan Type Expander widens the anterior section without creating posterior cross bite. This appliance is used in the rapid maxillary disjunction. It is split in the mid-palatine suture and enlarges the transversal diameter of the maxillary anterior arch, while maintaining the posterior transversal diameter unchanged.

**Bionator -To Open or Close**
The Bionator is a removable appliance designed to correct Class II cases. This appliance can be constructed to open a deep overbite or to close an open bite. It is made with anterior labial-lingual body wire and may include a posterior bite block to close a bite, or without a posterior block to open a bite. The Bionator includes a screw to reactivate AP position.

**Herbst Telescopic**
This appliance is used to correct Class II by allowing the growth of the mandible and lower teeth, advancing the mandible forward to Class I, resulting in the adjustment of the AP. The Herbst arm is a telescopic mechanism with an advantage of a lateral movement and is activated using crimpable shims to advance from 1mm to 5mm forward.

**M.A.R.A.**
The Mandibular Advancing Repositioning Appliance (MARA) increases patient comfort by eliminating appliance bulk and tissue irritation in the lower bicuspid area that can occur with other fixed functional appliances. It can be used during a late mix dentition stage of development. The MARA can be accommodated with a expanders or inactive type of appliances. Additional mandibular advancement can be achieved with the use of spacers.
a better night’s sleep starts with

Universal Orthodontic

Snoring is typically caused by the soft tissue in the throat falling inward during sleep, blocking the airway. A snore guard draws the lower jaw forward into a position to avoid this and also keeps the tongue in place so it does not fall into a position that blocks breathing during sleep; allowing the users to breathe correctly at night. Snoring guards allow users to have more peaceful, higher quality sleep, leading them to feel more rested and energetic in the morning.

Universal Orthodontic Lab offers a variety of appliances to ease and/or eliminate snoring, allowing the patient to have a sounder sleep without the worries of keeping anyone else awake.

Mandibular Repositioner
Mandibular Repositioner is a mandibular advancement device for the treatment of snoring and sleep apnea. It is a custom-made, one-piece appliance for the upper and lower arches, much like a sport guard. Its basic function is to hold the jaw forward so the tongue and soft tissues of the throat do not collapse into the throat causing snoring and sleep apnea.

Tap III
Tap III is a mandibular advancement device for the treatment of snoring and sleep apnea. It is a custom-made, two-piece appliance for the upper and lower arches. Its basic function is to hold the jaw forward so the tongue and soft tissues of the throat do not collapse into the throat causing snoring and sleep apnea. Tap III allows the patient to adjust the degree to which the lower jaw is held forward.

Herbst T.C. Snoring
This appliance is a mandibular advancement device for the treatment of snoring and sleep apnea. It is a custom-made, two-piece appliance for the upper and lower arches. This Herbst snoring device’s arm is a telescopic mechanism with the advantage of a lateral movement and is activated using crimpable shims to advance from 1mm to 5mm forward.

Twin Block Snoring
This appliance is a mandibular advancement device for the treatment of snoring and sleep apnea. It is a custom-made, two-piece appliance for the upper and lower arches. The angle of inclination of the occluding surfaces is 70 degrees. The functional determination of bite for the Twin Block appliance is achieved by using a construction bite with the the height of at least 6 mm vertically, and a secure retention of the upper and the lower arch.
Aligners are worn for at least 20 hours each day to reach the desired maximum result. Each aligner is worn for three weeks before changing to the next one. The length of the treatment with aligners depends on the severity of each patient’s case. Normally, aligner treatment can be as short as three weeks or up to one year. Universal Aligner treatment time is shorter than traditional braces.

Universal Aligners are a great alternative for patients who want a straighter smile but do not want to wear traditional metal braces or for patients who have had orthodontic treatment in the past and want to make minor corrections to their smile. There are several advantages to using clear aligners:

• Universal Aligners are removable so it is easier to keep clean and for you to brush and floss after meals.
• The aligners allow for easier care for your gums.
• Universal Aligners are comfortable and less likely to irritate gums as well as your teeth.
• Tooth wear from constant grinding can be prevented by using the aligners.

How It Works

Aligners are worn for at least 20 hours each day to reach the desired maximum result. Each aligner is worn for three weeks before changing to the next one. The length of the treatment with aligners depends on the severity of each patient’s case. Normally, aligner treatment can be as short as three weeks or up to one year. Universal Aligner treatment time is shorter than traditional braces.

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• Tooth wear from constant grinding can be prevented by using the aligners.
**Positioner**

The Positioner is constructed over a wax set-up model where all or some of the teeth are placed into an ideal position, setting the teeth into the desired cuspal relationship. It closes spaces up to 3mm, corrects slight buccal/lingual discrepancies, and improves arch form. It is also used to open or close anterior bite achieving moderated rotation, moving teeth into improve axial inclinations, and as a retainer after the process been met.

**A tray is formed with dual hard Biocryl and soft silicone trays. The transparent tray can be used in combination with light-cured adhesives. Low-friction composites are placed on each bracket to eliminate undercuts under the bracket wings and prevent penetration of silicone material into the bracket slots. This procedure allows easier tray removal and reduces the risk of bracket debonding during the tray removal and ligation time with low friction ligatures.**

**Bleaching Tray**

Bleaching trays are clear and typically made from a soft flexible plastic. One tray is made for the upper teeth and a separate one for the lower. Custom bleaching trays are usually trimmed so they fully cover each tooth but come just short of lying on the wearer’s gum tissue.

**Indirect Bonding**

A tray is formed with dual hard Biocryl and soft silicone trays. The transparent tray can be used in combination with light-cured adhesives. Low-friction composites are placed on each bracket to eliminate undercuts under the bracket wings and prevent penetration of silicone material into the bracket slots. This procedure allows easier tray removal and reduces the risk of bracket debonding during the tray removal and ligation time with low friction ligatures.

**Tongue Habit**

A tongue fence is used to control a tongue thrusting habit. The tongue fence is a preventative appliance designed to control the upper anterior alignment. The added strength of the fence helps resist the powerful muscular force of the tongue. Spurs can be added as an additional habit breaker.

**Thumb Habit**

Pointy metal spurs are used to control a tongue-thrusting habit. Tongue spurs can be bonded to the teeth or soldered onto an appliance such as a lingual arch.

**Essix (Clear Retainer)**

The Essix retainer is the most commonly used vacuum formed retainer (VFR). A mold is initially made of the teeth in their new alignment, and then clear trays are created to fit over the arch in its entirety. VFR’s are similar to a Hawley Retainer, and also do not affect the aesthetic appearance of the smile.

**Bluegrass Appliance**

Used as an alternative to traditional habit breaking appliances, this fixed appliance utilizes a wide bead roller that spins on a support wire to distract the patient from thumb sucking or tongue thrusting. Colorful beads can be used in place of the bead roller to make wearing the appliance more fun. The support wire is soldered to bands on the first molars.

**Tongue Bead (Tongue Toy)**

Used as a traditional habit breaking appliance, this fixed appliance utilizes a bead roller that spins on a support wire to distract the patient from thumb sucking or tongue thrusting. Colorful beads can be used in place of the bead roller to make wearing the appliance more fun. The support wire is welded onto the bands on the first molars.
Final Wax Set Up
This procedure shows you the before and after treatment in advance. The model is made of white stone, trimmed and all indicated teeth are aligned. A complete wax set up with arch point reference and occlusion.

Sport Guards
Mouth guards create a cushion that provides potential stabilization of the temporomandibular joint (TMJ) while also helping to prevent injury to the joint. In addition, they can substantially reduce the type of injury affecting the soft tissues—such as the lips and gum tissues surrounding the teeth. In general, mouth guards can help provide protection against numerous serious injuries, including those to the face and head.

Quality service and products...Guaranteed.

MINI IMPLANT AUXILARIES (TEMPORARY ANCHORAGE DEVICES)

This expander is designed to create room in the patient’s mouth by widening the upper palate and to advance the maxilla forward. This appliance breaks the median suture 3 times faster than the standard type, and remains in position until the bone fills the gap between the two halves of the maxilla. This appliance is made with an RPE and 4 TAD Auxiliaries, customized for each patient, and 2 protraction hooks for face mask.

TAD Haas Appliance
Designed for lateral expansion, the appliance uses acrylic to support the micro implants on the palatal expansion screw, and adds extra stability to the appliance. This appliance is made with 4 TAD Auxiliaries customized for each patient. The acrylic closely contacts the palatal mucosa and makes it particularly effective for opening and separating the mid-palatal suture. It offers expansion by applying force on teeth and palatal mucosa.

TAD Frog
This appliance is designed with a frog screw and distalizing bars with an omega loop and 2 TAD Auxiliaries. The appliance offers outstanding molar distalization without crown or root tipping. The spring is easily removed and adjusted with a TAD Auxiliary, and bands are attached onto the two upper first molar teeth.

TAD MDE (Molar Distalizer with Elastic chain)
The MDE is designed to move molars with TADs and elastic chains in a more posterior direction to create space for permanent teeth to develop naturally and to correct crowding. The appliance is in a fixed position and comprised of bands around the maxillary permanent first molar teeth. This is useful when you encounter the need for space closure and molar distalization.
**TAD MDS (Molar Distalizer with Screw)**

The MDS appliance is designed to move molars with TADs and screws in a more posterior direction to create space for permanent teeth to develop naturally and to correct crowding. The appliance is in a fixed position and comprised of bands around the maxillary permanent first molar teeth. This is useful when you encounter the need for space closure and molar distalization.

**TAD PBD (Palatal Bar Distalizer with hooks)**

The PBD Appliance is designed to move an individual tooth or anterior segment with hooks and a TAD in a more posterior direction. It creates or closes space for permanent teeth to develop naturally, and to correct crowding. The appliance is in a fixed position and comprised of bands around the maxillary permanent first molar teeth. This is useful when you encounter the need for space closure and distalization.

**TAD TPA (Transpalatal Arch Sagittalizer with elastic chain)**

The TPA Sagittal appliance is designed to move molars with TADs and elastic chains in a more anterior direction to create space for extraction case, and to correct occlusion. The appliance is in a fixed position and comprised of bands around the maxillary permanent first molar teeth. This is useful when you encounter the need for space closure and molar distalization.

**TAD TPB (Transpalatal Bar Distalizer with elastic chain)**

TPB is designed to move molars with TADs and an elastic chain in a more posterior direction to create space for permanent teeth to develop naturally and to correct crowding. The appliance is in a fixed position and comprised of bands around the maxillary permanent first molar teeth. This is useful when you encounter the need for space closure and molar distalization.

**C Clasp**

Used where another type of clasp creates significant occlusal interference.

**Arrow Clasp**

Used where another type of clasp is not retentive enough.

**Delta Clasp**

Used where an extremely retentive clasp is needed; the molar must be erupted to expose the buccal undercuts.

**Ball Clasp**

Used as auxiliary retention, this clasp can also be adjusted distally or mesially to engage the undercut.

**Adams Clasp**

Used on molars or bicuspid engaging mesial and distal of undercuts of teeth.

Universal Orthodontic Lab offers an extensive product line that will fit every patient’s needs.
Have your retainers match your personality! Choose from our variety of colors, patterns, and add any decal of your choice. Options are endless! Combine a color with a decal, a pattern with a decal, choose your favorite team’s logo, a special character you love, a name, or an icon. It’s your retainer, make it unique!

A wide range of patterns and colors allow for an endless customization. Choose from any of our custom patterns or colors available. How unique will your appliance be?

Pattern

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