

## LABORATORY

CATALOG

VOL. 14





#### **Experts At What We Do**

DynaFlex leads the way as a premier orthodontic, aligner, and dental sleep medicine laboratory, uniting the latest advancements in technology with the highest-quality materials available. Our skilled team of experts brings both experience and precision to every case, ensuring each appliance meets our unwavering standard of excellence. At DynaFlex, exceptional appliance manufacturing is more than our goal, it's our commitment to you.

#### **Scheduling**

- In DynaFusion, select a date at least 2 days prior to your patient's appointment date.
- Allow 2-3 days for shipping mailed in cases.
   Keep in mind shipping times may vary.

#### **Rush Service**

Ortho Cases: Availability Varies. Call To Arrange.
 Aligner Cases: Availability Varies. Call To Arrange.
 Sleep Cases: Select "Rush Service" in DynaFusion.

Fees apply.

#### How to Send a Case:

#### **Register for Access:**

Visit www.dynaflex.com/instant-access to register and gain access to your DynaFlex online account. Simply provide a few details for immediate access. Need help? Reach out via online chat or call our Customer Care Team, we are here to assist!

#### **Submit Through DynaFusion**

All cases, whether digital or physical, are processed through our streamlined DynaFusion Digital Rx & Case Management System at **www.dynaflex.com/order/rx**. With DynaFusion, you can submit cases in as little as 30 seconds, optimizing your workflow. For assistance or to arrange a demo, visit our website, connect with us via chat, or call our Customer Care Team.

#### **Model Submission Methods:**

- **Digital Models:** Use DynaFusion to select your scanner model from the "Model Submission Method" dropdown. Our team will automatically attach your .stl file to the digital Rx, sending your case directly to fabrication.
- **Physical Models:** DynaFusion also supports mailed models as an option. Select "Mailed in Models" from the dropdown, and you'll receive a printable PDF identifier and a prepaid mailing label. Print and include the identifier with your models, and wrap each one securely to ensure safe transport.

#### **Shipping & Handling:**

DynaFlex provides a free prepaid mailing label within DynaFusion for convenient, no-cost shipping. You may also visit our website to request complimentary shipping boxes with a ready-to-use prepaid label. All cases will be returned guaranteed UPS (2 Days) for a small shipping and handling fee. Next Day/Overnight delivery is also available for an additional charge.

#### **Technical Assistance:**

We're committed to providing world-class support. For the quickest assistance, connect with us via our **online chat**, or feel free to reach out by email at **info@dynaflex.com** or by phone at **800-489-4020**.

Call us: 800.489.4020

## The DynaFlex® Difference

At DynaFlex, our expert Laboratory Advisors and Customer Care teams, specializing in Orthodontics, Aligners, and Dental Sleep Medicine, provide a deeply personalized and collaborative experience for your practice. **100% Customer Satisfaction** drives us to be a dedicated partner, invested in your success. With both our Laboratory Advisors and our responsive Customer Care team just a call away, we make it easy for you to access tailored insights, guidance, and support that make a real difference for your team and your patients.

Our approach combines advanced technology, superior craftsmanship, and exceptional service to ensure your patients receive reliable, effective solutions, all designed with their well-being in mind. With DynaFlex, you're not only accessing premium appliances but also partnering with a team that values open communication, meaningful connections, and your practice's long-term growth. Our Laboratory Advisors and Customer Care team are here to ensure every interaction is smooth and supportive, making DynaFlex a trusted ally in bringing healthy smiles and improved sleep to your patients.

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## DynaFUSION° DIGITAL R<sub>X</sub> SYSTEM

## **Digital Rx System** and Case **Management**

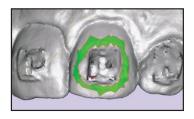
DynaFusion® is a major leap forward in digital prescription submission software and will completely revolutionize your office workflow. **Submit a case in 30 seconds or less!** It will create amazing efficiency and it's incredibly simple and easy to use. DynaFusion® is free to our clients and offers **unlimited support** to make the transition easy. You can now login, create a new case (from scratch or from a template), upload or link to your scans, submit, track and manage your cases.



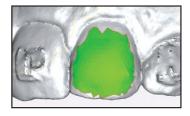


"The new DynaFusion" portal has been a **game changer** for my office. The template feature allows me to submit cases in a fraction of the time it used to take me to do so, and in addition, I love being able to electronically track my cases statuses and UPS tracking numbers. I highly recommend DynaFusion® to streamline your office's lab workflow."

Eric J. Castle, DMD, MS



## BraceErwell









To assure stability for your finished cases, DynaFlex® can accurately remove brackets from working models or digital files. Your retainer can be inserted at the debracketing visit. This eliminates the possibility of "drifting" of the teeth between patient visits. For best results, it is important to capture all of the area around the bracket. It is important to take the impression or scan with the arch wire removed.

## Scanner Information

DynaFlex® can accept most scans taken through any intraoral scanner. The scanners listed are some of the most popular scanners that doctors use to send cases. If your scanner is not listed, call 1-800-489-4020 for help.

#### **Scanners Accepted**

- · Align iTero
- · 3Shape Trios®
- Medit
- Dexis

- CareStream
- Sirona Cerec
- · Midmark True-Def
- · Shining 3D

## Digital Model Printing

DynaFlex® makes printing your scans fast and effortless! With multiple state-of-the-art 3D printers on-site, we're equipped to handle your models with precision and efficiency. Using only the highest-quality materials available, we ensure exceptional accuracy for every appliance we create. Plus, DynaFlex® offers three versatile printing options to meet your specific needs.



Working Model Print For DynaFlex® Appliances Horseshoe or Full-Palate Models



ABO Study Model Prints



Slim Base Model Prints

#### IMPORTANT NOTE:

If it's your first time submitting a scan, please contact the 3D.Ortho department at 1-800-489-4020 for initial setup up instructions. **Setup is quick and easy!** 

## Digital Model Storage

DynaFlex® uses the most technologically advanced scanning system available to convert your impressions or models into a 3D image. With each DMS case, you will receive a digital model that you can easily manipulate on your computer screen and a .pdf that contains six views of the case in a 1:1 ratio. All cases are stored in five different locations all meeting HIPAA standards. If your patient breaks or loses their appliance, you can order a replacement with a simple phone call.



#### 3 Types of Digital Model Storage

#### **Full Based Study Model**

DynaFlex® returns these records to you through the DynaFlex® portal with a full ABO base and a printable 1:1 ratio composite PDF.

#### Rough Scan

DynaFlex® returns these records to you through the DynaFlex® portal without any cleanup or base, and a printable 1:1 ratio composite PDF.

#### Simple Storage/Archive Scan

DynaFlex® will store your scanned models without returning your records to you. If you would like the digital version of your scan sent back to you, an additional charge will be required.

## **Clear Protection Insurance**

## **\$299 - 5 Years. Unlimited Replacements.**

**Coverage Designed To Enhance Your Treatment And Ensure Long-Lasting** 

**Results!** Clear Protection Insurance is available for EZ-Clear® and Defend® Retention Systems. To qualify, the case must be submitted through DynaFusion®, our digital Rx System.



Scan To Learn More & View Full Terms And Conditions





If Your Patients' Retainer
Gets Damaged



If Your Patients' Retainer
Goes Missing



If Your Patients' Retainer
Shows Wear

#### All Of Our Retainers Are Made With...

## **GLACIER®LTR**

#### **LONG-TERM RETENTION**

#### **Features & Benefits**

O Clear & Comfortable

Easy To Trim

6 Enhanced Durability

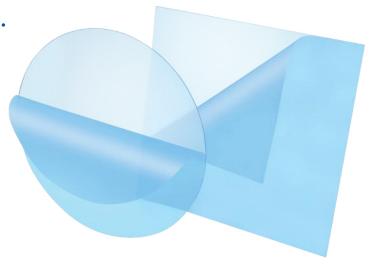
**Property** Resistance To Cracking

Built For Long-Term Use

Grab-Force Technology

#### **Available In Square & Round Sheets**

**Thickness Available:** .89 mm (.035) & 1 mm (.040)



Scan To Learn More & Request A Sample Pack









# DELIVERED TO YOUR OFFICE IN **BUSINESS DAYS!**

The Defend® Retention System provides a reliable, efficient solution for maintaining your patients' perfect smiles.

Made with **Glacier® LTR**, a premium material known for its durability, clarity, and comfort, Defend delivers exceptional performance and long-lasting wear. Available in combinations of upper and/or lower retainers, digital model prints, and laser-cut trimline options (straight-cut, scalloped, or modified scalloped), Defend® ensures a **precise fit** and optimal comfort. Proudly made in the USA, and delivered to your office in just 4 business day. Defend® Retention System By DynaFlex® combines **speed, quality, and convenience**.

#### **Choose From 3 Systems**

**Includes Digital Model Prints** 

### **DEFEND2™**

2 Upper Retainers2 Lower Retainers

## **DEFEND3™**

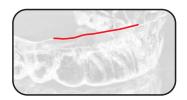
3 Upper Retainers
3 Lower Retainers

### **DEFEND4™**

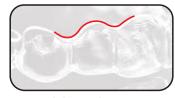
4 Upper Retainers
4 Lower Retainers

#### **Choose From 3 Laser Cut Trimline Options**

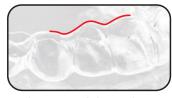
**For Superior Precision and Ultimate Patient Comfort** 



STRAIGHT-CUT



**SCALLOPED** 



MODIFIED SCALLOPED

## **3D Metal** Printed Bands

DynaFlex® stands as the industry **expert** in 3D Metal Printed Bands, harnessing cutting-edge CAD/CAM technology and **unmatched innovation** to deliver **precision**, **efficiency**, **and versatility** that revolutionizes orthodontic care.

DynaFlex® leads the way in orthodontic innovation with our expertise in 3D Metal Printed Bands, setting a new standard for precision and efficiency. As pioneers in advanced CAD/CAM technology, we've perfected this technique to manufacture bands that will drastically reduce patient chair time while delivering an unparalleled fit and comfort. Engineered with exceptional accuracy and detail, our 3D Metal Printed Bands enhance appliance design and functionality, making them the perfect upgrade from traditional bands. Compatible with a wide range of appliances, they offer a revolutionary solution that saves time and money for your practice. Simply choose 3D Metal Printed Bands on your DynaFusion® Rx when submitting your case and see the DynaFlex® difference in action. With our unmatched expertise and commitment to innovation, the possibilities for your practice are limitless.

#### **Features & Benefits:**

- No Need For Separators
- No Band Fitting Appointment
- Fast & Easy Cementation
- Streamline & Sleek Design
- Medical Grade Stainless Steel



Slimline RPE
with 3D Metal Printed Bands

### **HOW IT WORKS**



**SCAN & UPLOAD** 

Scan patient normally, capturing a full palate scan. No need to place separators. Upload scan and submit Rx using DynaFusion®.



**DESIGN** 

The DynaFlex® Team then uses the submitted scan to design custom bands for the appliance. The file is prepped for 3D Metal printing.



**3D PRINTING** 

Once the file has been rendered and prepped by our team, we begin 3D Metal Printing of the custom bands in-house.



SEAT IN SECONDS

Instructions for bonding or debonding custom printed



bands are available online.

## **Unlimited** Options Available

DynaFlex® takes customization to the next level by **offering 3D Metal Printed Bands for ANY appliance** traditionally fabricated with regular bands. Whether it's Expansion Appliance, Space Maintainer, or any other design, our custom-printed bands ensure a precise and comfortable fit for every patient. Upgrade your appliance fabrication by selecting 3D Metal Printed Bands on your DynaFusion® Rx, and let DynaFlex® provide the perfect blend of innovation and customization for your practice.

#### **Below Are Some Examples Of Our Most Popular Options**



Traditional RPE
with 3D Metal Printed Bands



Haas
with 3D Metal Printed Bands



MAX<sup>™</sup>
with 3D Metal Printed Bands



MARPE
with 3D Metal Printed Bands



E-Arch
with 3D Metal Printed Bands



Lower Slimline
with 3D Metal Printed Bands



Transpalatal Arch with 3D Metal Printed Bands



Lingual Holding Arch
with 3D Metal Printed Bands



Hanks<sup>™</sup> Telescoping Herbst<sup>®</sup>
with 3D Metal Printed Bands

**Did you know?** All direct metal printed appliances can have brackets, tubes, buttons or seating lugs added as needed using traditional welding, laser or soldering processes.



# THE ULTIMATE CLASS II & CLASS III CORRECTOR

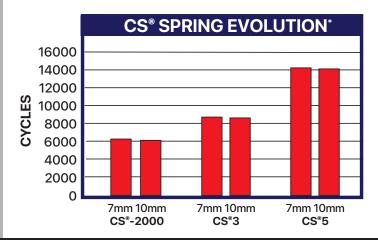
### Simple, Effective, Proven

The CS°5 System, exclusively from DynaFlex°, is a revolutionary advancement in orthodontic technology designed to tackle the toughest Class II and Class III cases with unparalleled precision and effectiveness.

The cornerstone of the CS°5 System lies in its cutting-edge spring technology, utilized across all three variations for attachment to archwires or fixed appliances. Engineered for precision and reliability, the spring has been rigorously tested and is proven to dependable throughout treatment (See Chart Below). The CS° spring delivers instant loading with consistent force levels of up to 350 grams, ensuring optimal treatment outcomes with minimal discomfort for patients.

Complementing this advanced spring technology are the three pivot options available within the CS\*5 System. The CS\*5 with Traditional Pivot, the original variant, offers a time-tested solution for orthodontic treatment, providing versatile attachment options for various clinical scenarios. Building upon this foundation, the CS\*5 with Self-Ligating Pivot introduces a streamlined design, simplifying the installation process and enhancing performance with its innovative self-ligating mechanism. Meanwhile, the CS\*5 with Twist-Lock Pivot offers unmatched ease of installation, featuring a seamless, one-piece component engineered for reliability and efficiency.

The CS®5 System incorporates hybrid screws coated with a blue Nylok™ coating, compatible with all pivot options. These screws ensure a secure fit and resistance to loosening within the pivot, guaranteeing dependable performance throughout the treatment process. With its comprehensive approach to orthodontic treatment, the CS®5 System empowers orthodontists with the tools they need to achieve superior clinical outcomes and patient satisfaction.





INSTANT LOADING AND MORE CONSISTENT FORCE LEVELS

#### **RESULTS MATTER**

BEFORE



Class III X-Rays: Case photos compliments of Dr. Andy Hayes of St. Louis, MO

Class II

Class III





Class II Occlusal View





Call us: 800.489.4020

## Herbst® Appliances

The Herbst® appliance is a superior fixed functional appliance which effectively corrects skeletal Class II malocclusions. DynaFlex® has created high quality Herbst® appliances for doctors all over the world for forty years and counting. DynaFlex® laboratory offers value pricing, expertise and a vast knowledge of current Herbst® designs.

Herbst® Designs: The Herbst® designs include stainless steel crowns, Rollo Bands, bands and/or acrylic. The amount of mandibular advancement and bite opening depends on the case and appliance design. All Herbst® designs can be reactivated by using precut "shims" or "spacers" to gain further advancement of the mandible. The EAS® design allows for 5 additional mm of advancement with a built-in screw mechanism.



#### Hanks™ Telescoping Herbst®

The HTH was developed by Dr. Stephen Hanks as a major improvement to the traditional rod and tube design and is the only true "one piece" design available for Herbst® treatment. The telescoping design eliminates problems of disengagement and incorporates a ball and socket pivotal screw that is built into the telescoping mechanism. The ball and socket allows for tremendous lateral excursion and increased patient comfort. Also, the built-in screw makes chairside placement extremely easy.



#### Traditional Herbst®

The Traditional Herbst® highlights the traditional rod and tube mechanism. However, any Herbst® mechanism can be used with this Dr. Jim Hilgers designed Herbst®. The upper first molar crowns and the lower first bicuspid crowns provide sufficient anchorage; however the LHA rest can be bonded for greater anchorage.



#### MiniScope<sup>™</sup> & MiniScope with Apple Core<sup>™</sup>

The MiniScope Herbst is a three section telescoping mechanism that will not become disengaged during patient opening. The Apple Core housing nut has a curved radius to allow for increased lateral excursion, reduction of breakage and optimum patient comfort.



#### Flip-Lock® Herbst®

The Flip-Lock® mechanism is comprised of a simple ball joint hinge that allows for maximum lateral excursion and extremely easy chairside assembly. It can be fabricated with the traditional design or the cantilever design for increased patient comfort. Any Herbst® design can be fabricated with the Flip-Lock® mechanism. All Herbst® accessories can be included in a Flip-Lock® Herbst®.

## MARA Appliance

MARA (Mandibular Anterior Repositioning Appliance) is used to achieve Class II correction treatment goals in the "noncompliant" patient. For the MARA patient to close his/her mouth and occlude their posterior teeth, they must posture the jaw forward into the desired Class I occlusion. With the MARA, the mandible is held forward in Class I occlusion by the labs positioning of the buccal attachments on the molars. The MARA is anchored to the molars in the same manner that a Herbst® appliance is (i.e. crowns, modified crowns or bands). The lower buccal attachments are fixed to the molars while the upper buccal attachments (called Elbows) are removable. The upper Elbows being removable enables the Orthodontist and/or staff to make adjustments and advancements in the appliance. Each MARA comes with both upper and lower archwire tubes to facilitate the option of fixed mechanics being used in conjunction with MARA treatment. Additionally, advancement shims in various sizes are available by request.



## MARA "U" Appliance

The U-Mara is an excellent alternative to enhance the effectiveness of the Mara Appliance in very deep overbite cases. In deep overbite cases, when the mandible is advanced, there is a large posterior open bite making it difficult for the patient to keep the upper elbow and lower loop properly engaged. The "U" modification addresses this problem by reversing the lower loop to provide additional millimeters of vertical engagement between the lower arm and upper elbow.



## MARA Appliance With Buccal Shields

The lower buccal shield provides a medical grade update to the traditional lower MARA. The half moon shape of the shield provides the ultimate patient comfort while still allowing for superior Class II correction. This addition to the MARA family of appliances will quickly become your choice when prescribing the MARA appliance.



## Modified Tandem™

#### Replace The Facemask...

The Modified Tandem™ Appliance (MTA) is designed for orthopedic correction of the growing Class III patient. The appliance's design is more comfortable than conventional devices because it is worn intra-orally. The simple MTA utilizes three separate units; an upper appliance (active or inactive), a lower appliance (fixed or removable) and a traction bow. Design modification is simple for both the upper and lower arch. Any combination of fixed or removable appliance designs may be requested.



## Scan To View Online Educational Animations







Fixed MTA

Removable MTA

### R.E.D

#### **Rigid External Distraction Intraoral Splint**

The Rigid External Distraction Intraoral Splint used in conjunction with a Halo System is used for the treatment of patients with Maxillary Midface Skeletal Hypoplasia.

The R.E.D has proved very successful in acquiring stable results in patients who are maxillary deficient. The fixed intraoral is easily placed and is also adjustable. Patient acceptance has proven to be exceptional and obtaining amazing results.





**Before Treatment** 



Case photos compliments of Dr. Alvaro Figueroa of Naperville, IL

**During Treatment** 



After Treatment



## Fixed Expanders

Fixed maxillary and mandibular expanders include a broad range of appliance designs. These designs are used to correct crossbites, narrow arches and crowding. The fixed expanders utilize some mechanism of force (expansion screws, self-activating spring or wire activation) for development of the arch. These fixed designs require minimal patient compliance and provide the doctor with total control during active orthodontic treatment. Auxiliary attachments such as brackets and habit breakers can be requested for most of the expander appliances.



#### Slimline

The Slimline palatal screw is designed for cases needing a smaller expansion screw, offering up to 12mm of activation and more tongue space for improved patient comfort.



#### **Memory Screw RPE**

The Memory Screw Expander gives clinicians full control. After 4-5 turns, the built-in NiTi coil springs activate, providing light, continuous forces for biocompatible arch development. It can be used in both fixed and removable appliance designs.



#### **Super Screw**

The Super Screw expander provides larger arch development with a smaller screw option. available in 12mm or 16mm sizes. A special adjustment wrench is included with each appliance.



#### **Fixed Fan Gear**

The fixed fan gear appliance is the appliance of choice when presented with a tapered maxillary arch and a fixed appliance is required. The screw provides 9mm of activation.



#### **Snap-Fit RPE**

The .036 contoured buccallingual wire eliminates path of insertion problems. Composite is used to lock in the appliance.



#### **MARPE**

Or "Micro-Implant Assisted Rapid Palatal Expander" achieves skeletal expansion in adults, non-surgical expansion in high-angle cases and helps reduce airway obstruction.

**Expansion Screw Options:** 8mm | 10mm | 12mm

**TAD Size Options:** 1.8mm x 13mm | 1.8mm x 11mm

## Options For Expanders

Inquire about additional available options.

DynaFlex® Palex® RPE "Click" **Expander** 



8mm | 10mm | 12mm

The Palex® RPE "Click" Expander has a patented mechanism that prevents reversal during expansion. Each 1/4 turn locks the screw in place, ensuring proper alignment for reactivation. It can be turned back if over activated.

#### **DynaFlex® RES Screw** Ratchet **Expansion** Screw



11mm: 2-Arm | 4-Arm

This expansion screw clicks with each 1/4mm turn, ensuring correct advancement and preventing back-up. A built-in safety feature prevents intraoral separation, with a total advancement of up to 11mm in 1/4 mm increments.

Snap Lock **Expander** 



10mm | 12mm

Engineered for secure palatal expansion, its flat spring prevents back-turning by locking firmly after each 1/4 turn. The locking sensation adds confidence, while the spindle hole ensures easy reactivation. Over-activations can also be reversed.

## Fixed Expanders continued



#### **Bondable RPE**

Acrylic onlays or pads are placed over the posterior teeth and then bonded in place.



#### Spring Jet I & II

Achieve slow arch expansion with controlled continuous NiTi spring force (No patient compliance required). Substitute for screw or pre-set wire expanders. Provides reliable results with minimal tipping and no patient compliance.



#### NiTi-Expander

This pre-programmed, thermally activated appliance comes in various sizes for a range of expansions. Anchored by horizontal sheaths on molar bands, it's ideal for mild-to-moderate expansion or distal rotation of 1st molars.



#### Haas

This fixed design is both tissue and tooth-borne to provide orthopedic and orthodontic changes.



#### **Quad-Helix**

This appliance allows for the development of the maxillary arch by utilizing active helical springs. The springs can be activated to provide overall arch form improvement, or to address either anterior or posterior expansion needs. The design of the appliance also allows for improvement of molar rotation.



#### E-Arch

Typically a lower appliance designed to upright lingually inclined posterior teeth. This NiTi spring loaded appliance is a very effective and popular choice due to its streamlined design. When the desired lateral development is achieved, the spring can be deactivated by adding composite.



#### Slimline

This fixed expander improves the lower archform with an expansion screw along with extensions to engage the lingual surface of posterior teeth, as well as primary or permanent canines.



#### Williams

The most popular of our lower uprighting appliances. This appliance uses a mini screw capable of 10mm of activation. The design incorporates an .018 NiTi archwire that freely slides labially to apply pressure to the lingual of the lower incisors in order to improve alignment as archform improvement occurs.

#### DynaFlex® Exclusive

## SmartJet®

The SmartJet® appliance continues to set the standard for advanced, user-friendly design, combining efficiency, comfort, and versatility. Engineered to make complex adjustments straightforward, the appliance features two innovative mechanisms that work in perfect harmony. The larger anterior mechanism, known as the SmartStop, includes a precisionengineered set screw. This set screw locks securely into place after adjustments, allowing for precise customization and ensuring the appliance functions seamlessly in a variety of treatment scenarios (Figure 1).

Complementing this is the smaller SmartGuide mechanism, which threads directly onto the coil spring for added stability and secure positioning. The SmartGuide is designed to effortlessly integrate with the exclusive Z clip, creating a dependable connection to the lingual sheath and eliminating concerns about misalignment or displacement.

At the heart of the appliance's functionality is the super-elastic nickel titanium spring, which delivers a consistent 200 grams of force for reliable and predictable results. Its ability to glide smoothly along the wire without friction ensures continuous, even force application, enhancing treatment outcomes and patient comfort.

One of the standout features of the SmartJet® is its unique capability to facilitate molar mesialization. By simply sliding the SmartStop mechanism forward, clinicians can reposition a molar with precision, pulling it into the desired location with ease (Figure 2). This level of adaptability makes the SmartJet® an invaluable tool in addressing a wide range of orthodontic challenges.

Combining cutting-edge technology with intuitive functionality, the SmartJet® is designed to deliver outstanding results while prioritizing patient comfort and clinician convenience. Whether it's achieving consistent force, simplifying adjustments, or offering versatile treatment options, the SmartJet® remains the ideal choice for modern orthodontic care.

### The SmartJet<sup>®</sup> is truly the smartest appliance.







FIG. 2 FIG. 1



SmartJet® Tool

Each SmartJet® appliance includes a specially designed tool for precise and effortless adjustments of the SmartStop, ensuring clinicians have everything they need for accurate and convenient customization.

## Distal Jet Appliances

The Distal Jet offers the unique feature of unilateral or bilateral molar distalization and molar rotation correction with one appliance. The appliance is anchored off the first bicuspids, or in cases requiring maximum anterior stabilization, second bicuspids can be used. For lateral arch development, an expansion screw can be requested.



**Distal Jet** 



**Distal Jet with Expansion** 



**Bowman Distal Jet** 

## Pendulum Appliances

The Pendulum expanders provide both distalization and rotation of the maxillary first molars with .032 TMA® wire. A midline expansion screw can be added for arch development. The design includes upper first molar bands with bands or rests placed on the first bicuspids.



#### **Pendulum**

An .032 TMA® wire provides light forces to distalize and rotate upper first molars. A Nance button provides anchorage.

\* TMA is a registered trademark of ORMCO.



#### **Pendex**

Upper arch development along with molar distalization is gained by adding an expansion screw in the acrylic.



#### T-Rex

This appliance is used for maxillary arch expansion and molar distalization. An expansion screw is used to first develop the maxillary arch. Once transverse movement is gained, the pre-activated .032 TMA® wires are trimmed loose for molar rotation and distalization.

## Series 2000: Maxillary Designs



#### MAX™

MAX™ is a maxillary spring loaded palatal expander. The MAX™ utilizes the nickel titanium open coil spring rod-tube mechanism for a continuous low force system to gain arch width.



#### DMAX™

DMAX™ or "Distalizing Maxillary Expander" utilizes either a mid-palatal nickel titanium open coil spring rod-tube mechanism or a standard jackscrew for transverse movement and the same rod-tube mechanism on the lingual to distalize the molars.



#### DMAX/RPE™

DMAX/RPE™ or "Fixed Distalizing Maxillary Expander". The hygienic fixed design is superior for total maxillary arch development. The rapid palatal expansion screw provides positive force for transverse movement. No adjustments are needed for molar distalization. Bodily movement without crown tipping is gained by the low continuous forces of the nickel titanium open coil springs.



#### DMJ™

DMJ™ or "Distalizing Molar Jig" is designed to distalize maxillary molars with the telescopic rod-tube using a low continuous nickel titanium force. The DMJ™ also utilizes an acrylic Nance button for additional anchorage.



#### SAG™

SAG™ is a fixed sagittal appliance which incorporates a midpalatal jackscrew as well as the telescopic rod-tube nickel titanium open coil spring design. The SAG™ is designed to be used in Class III skeletal cases with midface deficiencies anterior-posterior as well as transversely.



#### TB SAG™

TB SAG™ tooth-borne sagittal design for Class II Division II correction. This appliance will distalize maxillary molars and simultaneously put pressure on central and lateral incisors for forward movement. It is excellent for Class III skeletal cases



#### SAN™

 $SAN^{m}$  or "Spring Advancing Nance" is a superior appliance following  $SAG^{m}$  treatment to maintain skeletal arch advancement. The nickel titanium spring loaded  $SAN^{m}$  supplies a predetermined amount of continuous force to the maxilla. The spring activated design requires no adjustments by the patient or doctor.

© DynaFlex® is the exclusive licensed laboratory in the United States to fabricate Series 2000 appliances. Series 2000 appliances are trademarked and are covered by one or more of the following patent numbers 5645422, 5769631, 5919042, 6036488, 6241517, 6402510, 6520772, 6719557.

## Series 2000 : Mandibular Designs



#### MSX™

MSX™ or "Mandibular Spring Expander" is a spring activated appliance requiring only recall observation visits. The MSX™ employs the nickel titanium open coil spring rod-tube mechanism bilaterally and replaces the midline jackscrew with nickel titanium open coil spring rod-tube mechanism.



#### MJX™

MJX™ or "Mandibular Jackscrew Expander" is a lower arch developing appliance that utilizes a midline jackscrew for arch width and a lingual nickel titanium open coil spring rod-tube mechanisms bilaterally for distalizing molars, simultaneously gaining arch length.



#### MSC™

MSC™ or "Mandibular Space Closer" is excellent for bodily advancing molars mesially where second bicuspids have been removed. The unique rod-tube and titanium spring produces light force for space closure without crown tipping. The self-adjusting springs require no adjustments once the appliance is cemented in place.



#### SAL™

SAL™ or "Spring Advancing Lingual" is excellent for advancing mandibular incisors to a predictable result. The SAL™ does not require activation or de-activation chairside adjustments. The telescopic rodtube and open coil titanium springs provide low continuous forces for advancement of the incisors to a predetermined position. This is also an excellent choice for single tooth cross bites in the maxillary arch.





#### EAS™

EAS™ or "Expanding Advancing Sheath" combines the MAX™ design for maxillary transverse movement with mandibular advancing mechanics for skeletal Class II correction. The lower appliance designs incorporate Series 2000 options for either development of arch width, arch length or extraction space closure.



#### **EAS MSX™**

EAS MSX™ is a totally spring activated appliance requiring only recall observation visits. The MSX™ employs the nickel titanium open coil spring rod-tube mechanism bilaterally and replaces the midline jackscrew with nickel titanium open coil spring rod-tube mechanism.



#### **EAS MJX™**

EAS MJX™ is a lower arch developing appliance that utilizes a midline jackscrew for arch width and a lingual nickel titanium open coil spring rod-tube mechanisms bilaterally for distalizing molars simultaneously gaining arch length.



#### EAS MSC™

EAS MSC™ or "Mandibular Spring Closure" is excellent for bodily advancing molars mesially where second bicuspids have been removed. The unique rod-tube and titanium spring produces light force for space closure without crown tipping. The self-adjusting springs require no adjustments once the appliance is cemented in place.

## Fixed Retention Appliances

Fixed appliances are used for anchorage and retention between phases of treatment and after final orthodontic treatment. Various appliance designs are utilized to preserve space and hold teeth in a desired position. Stainless steel wire is used in appliance fabrication and is available in a number of round and rectangular sizes.



## Fixed Habit Appliances

The fixed habit appliances are used for correcting both tongue thrust and thumb sucking habits. A variety of appliance designs can be used for habit correction. In some cases, persistent finger habits may require a more aggressive appliance design such as small prongs, or spikes to act as a deterrent to correct the habit.



**Myo-Functional Bead** 



**Tongue Habit** 



**Spiked Thumb Habit** 

## Pro-Form Mouthguards

DynaFlex® Pro-Form mouthguards provide unmatched comfort, superior fit, exceptional retention, and reliable protection, setting the gold standard in athletic mouthguards. Custom-made for each patient, these high-performance mouthguards are designed to reduce dental injuries by evenly distributing impact forces across the teeth, minimizing fractures and damage.

Engineered for durability, Pro-Form mouthguards feature a dual-layer construction of laminated sheet vinyl reinforced with a lingual plate behind the incisors, delivering robust protection without compromising comfort. Each mouthguard is crafted by skilled technicians to ensure a precise fit, providing consistent quality you can trust.

Available in a variety of colors and customizable with an optional helmet strap, Pro-Form mouthguards are trusted by athletes at all levels. They shield teeth, protect the jaw joint, cushion soft tissues, and reduce the risk of serious head and neck injuries—offering vital defense when it matters most. With DynaFlex® Pro-Form, your patients can perform with confidence, equipped with the ultimate in safety and performance.



	Basic Colors
	Black
	Blue
	Clear
	Green
	Orange
	Red
	Purple
	Yellow
	Tie-Dye Colors
	Midnight Tie Dye
	Patriot Tie Dye
20	Wilderness Tie Dye
A	Flamingo Tie Dye
	Shamrock Tie Dye
	Glitter Colors
	Green
	Orange
	Pink

Basic Mouthguard



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- · Simple, Fast Case Submission
- Unlimited Free Templates
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- No Setup Required, Web Based

## Twin Block Appliances

Dr. William Clark, an Orthodontist, developed an uncomplicated technique that incorporates the use of upper and lower bite blocks to reposition the mandible forward for skeletal Class II correction. The Twin Block technique is easy to use and very patient friendly. The design utilizes two separate appliances that fit the maxilla and mandible. The unique design allows for more patient comfort and increased patient cooperation. The Twin Block design also allows for independent development of the upper and lower arches with the addition of transverse and/or sagittal screws.



**Standard Twin Block** 



Twin Block To Close



**Sagittal Twin Block** 

### McNamara Twin Block

The Dr. James McNamara designed Twin Block includes two upper expansion screws for maxillary arch development. To enhance retention of the lower portion of the appliance, a labial bow with acrylic is added to the design. In addition, the lower flanges of acrylic are extended to the molars.



## Twin Block Stage II

Once "three-point" contact has been achieved, a fixed or removable incline bite plane is used to support Class II correction. The Stage II appliance is used until the bicuspids have erupted into occlusion and the posterior open bite has been closed.



"Stage II"



Rick-A-Nator



Rick-A-Nator II

## Bionator/Orthopedic Corrector

The functional appliances include Activators, Frankels, Bionators, Orthopedic Correctors, Twin Block and Herbst® designs. The doctor can choose from various removable and fixed appliance designs. All functional appliance designs address Skeletal Class II problems by advancing the mandible forward to a corrected Class I position.



Bionator I To Open



**Bionator II To Close** 



**Orthopedic Corrector I** 



**Neutral Bionator** 

# WORLD-CLASS CUSTOMER SERVICE

Do you need assistance with selecting or customizing a lab appliance? Our team of experts are ready to help!

Chat Online info@dynaflex.com 800-489-4020

## Frankel Appliances

The Frankel appliances are removable designs invented by Professor Rolf Frankel. The Frankel philosophy uses the vestibules to enhance favorable growth in developing dentition and restrict undesirable muscle forces. Thus, the Frankel appliance is reported to provide an "ideal" environment for maximum arch development and proper skeletal jaw relationship. The three most commonly used designs are the Frankel II, Frankel III and Frankel IV.





Frankel II

## Sagittal / Arch Length Development

The Sagittal appliances are designed to regain lost arch length in an anterior and/or posterior direction.



#### **Anterior Sagittal Upper & Lower**

To ensure anterior development, the design maximizes posterior anchorage with screw placement and occlusal indentations.



#### **Distal-Drive Upper & Lower**

This design facilitates distal driving of posterior teeth to regain lost arch length. To maximize distalization, splits are cut mesial to first molars.



#### 3 Screw Sagittal Upper & Lower

This features the Sagittal design with a midline expansion screw for lateral development.

### Schwarz

A variety of active appliances can be fabricated for arch width and arch length development. Active designs are beneficial for development of the arches prior to fixed treatment. A minimum of four clasps is suggested to maximize retention. In addition to our standard designs, springs, small expansion screws and wires provide forces to move individual teeth. Maxillary occlusal coverage can be added as desired.



#### **Schwarz Upper & Lower**

Designed to gain lateral arch development in the upper and /or lower arches.



Designed to develop the bicuspid area, it is ideal for correcting tapered arch forms.



#### **Nord**

A Maxillary appliance, designed for the correction of unilateral cross bites.



#### **Three Way Schwarz**

Used in the upper arch for both lateral and anterior development.

## Removable Retention

The Hawley Retainers are used for finished orthodontic cases to securely maintain the teeth in their new position. DynaFlex® finishing retainers meet all the major criteria for effective retention of your finished orthodontic cases.



## Phase One Retainer

Allows for primary molars to exfoliate and permanent ones to erupt. The Phase One Retainer is made with Glacier® LTR (Long-Term Retention) material for mixed dentition.

**Made With** 





## ARTISTIC RETAINER DESIGNS



Please Note: Actual colors and designs may vary from the images shown

## ASSORTED SOLID COLORS





## GLOW IN THE DARK



## **GLITTER & SPARKLES**



Please Note: Actual colors and designs may vary from the images shown

Glitter

Gold Sparkles

Glitter

and Green Sparkles

Glitter



## **Expert Treatment Plans**

**Executed and Overseen by Board Certified Orthodontic Advisor** 

#### **INDIVIDUAL ALIGNERS**

#### **Designed for:**

Minor tooth movement due to orthodontic relapse. Maximum of **5 aligners**.

#### PERFECT 10

#### **Designed for:**

Mild anterior tooth movement. Includes up to **20 aligners** allocated for either single or dual arch treatment.

#### **TERRIFIC 20**

#### **Designed for:**

Moderate tooth movements throughout anterior and posterior teeth. Includes up to **40 aligners**.

#### FAST 5

#### **Designed for:**

Minor movement of incisors. Includes up to **10 aligners** allocated for either dual or single arch treatment.

#### **SUPREME 15**

#### Designed for:

Moderate tooth movement throughout the anterior and minor posterior tooth movement. Includes up to **30 aligners**.

#### **UNLIMITED**

#### **Designed for:**

Comprehensive movements of both anterior and posterior teeth. Includes **unlimited aligners**, as well as refinement/replacement aligners, plus a retainer per treatment arch.

**Hybrid Ortho Treatment** 

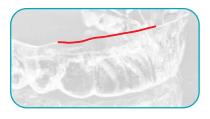
Patients Ready To Say Bye Bye Braces?

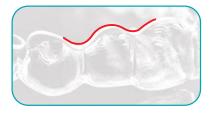
The Hybrid Treatment approach by DynaFlex® offers a groundbreaking and highly predictable solution for aligner therapy. With this innovative method, patients can start their orthodontic journey with braces and the powerful support of a DynaFlex Series 2000 Appliance. As treatment progresses, SmileShare Clear Aligners are integrated, reducing overall treatment time, enhancing predictability, and minimizing the number of aligners required. This hybrid approach creates a more efficient treatment plan, leading to superior outcomes for both patients and providers.

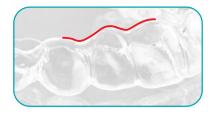


### **Custom Trimlines Available**

With our highly accurate laser cutter, users have the ability to mix trimlines as well!







**STRAIGHT-CUT** 

**SCALLOPED** 

**MODIFIED SCALLOPED** 

## **What You Receive With Every Case**







## **Our Expert Team is Here to Help**

At SmileShare, we're proud to have a team of highly skilled and trained professionals dedicated to helping you create beautiful smiles. Every treatment plan is carefully designed and overseen by experts, ensuring that your patient's unique needs are met with precision and care. With the guidance of our board-certified orthodontic advisor, you'll benefit from a wealth of experience and expertise with every case. Whether you're looking for a simple adjustment or a comprehensive treatment, we're here to provide support, answers, and a clear path to success. Schedule a schedule a consultation today to learn more about how SmileShare can best serve your practice's needs.



**Schedule A Consultation** 

## Orthopedic Splints

DynaFlex® has over 50 years of experience fabricating orthopedic splints and offers a fully digital process in design and manufacturing. Two digital options are available; you can choose between printed fabrication, or custom milled fabrication. DynaFlex® is experienced at constructing a variety of splints custom made to the specific needs of your patient. The splints pictured are some of the more commonly requested designs used to treat TMJ dysfunction. Additional splint designs are available upon request.





#### DynaFlex® Printed Splints

The DynaFlex® Printed Splints are a fully biocompatible thermal material that is strong, but flexible. These splints are tough enough for your bruxism patients while offering the flexibility and softness your patients demand.

#### DynaFlex® Milled Splints

The DynaFlex® Milled Splints are fabricated with our 5-axis milling machines which provides incredible fit, precision and great durability. This is a terrific choice for patients who experience bruxism/grinding and want a clear device.



#### **Modified Gelb**

Most popular splint similar to Gelb splint with the addition of anterior acrylic for additional support.





#### **Farrar Splint**

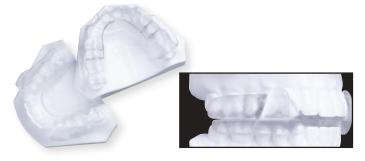
Commonly known as a maxillary repositioning splint, this appliance uses an incline plane behind the incisors to push the jaw forward. It can be made with or without posterior support based on individual preferences and is often used at night.





#### **Maxillary Flat Plane**

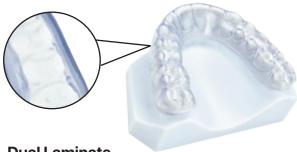
An upper splint crafted for uniform contact of lower teeth, often featuring cuspid disclusion or anterior guidance. Primarily employed as a traditional night guard to address occlusion issues.



#### **Dorsal Splint**

A night splint for mandibular repositioning, featuring a dorsal fin that connects with the maxillary appliance to prevent the lower jaw from retracting during sleep. Typically made from dual laminate material, it can also be crafted with traditional acrylic.

30 Call us: 800.489.4020



#### **Dual Laminate**

A unique combination of two materials formed into a single laminated sheet. It utilizes a hard outer shell and a soft inner liner. This vacuum formed material is designed to be used for bruxism.



#### **Pull Forward Splint**

Mandibular splint designed to aggressively reposition the lower jaw to a down and forward position. The lingual flange — or acrylic - helps guide the mandible to a specific position. These flanges also help prevent lateral movements, and are generally reduced over time as the patient becomes comfortable in the new position.



#### Luco

Lower splint fabricated on the buccal as opposed to the lingual. This is a patient friendly splint as it preserves tongue space. Similar to other lower splints, the amount of repositioning is controlled by the design of indexing of the upper posterior teeth into the occlusal pads.





#### Gelb

A traditional lower diagnostic splint. Most commonly used to establish proper vertical dimension with slight-to-moderate anterior repositioning. The amount of repositioning dictates how heavily indexed the posterior bite pads become.



#### **Tanner**

Popular lower splint that includes both posterior support as well as an anterior cap of acrylic. This cap is a common addition on patients who will wear this splint for an extended period of time.



#### **Stack Bionator**

A monoblock style appliance that aggressively holds the lower jaw in a down and forward position. This is most commonly used in adult post mandibular repositioning patients to prevent dual bites from occurring. It is considered a night-time appliance.

#### **Maxillary Anterior Deprogrammer**

Full coverage splint, most often used for clenching and bruxing problems. A flat platform lingual to the upper incisors is designed to provide contact with the lower incisors. The lower posterior teeth are held out of occlusion which differentiates this splint from a maxillary flat plane splint.

## **Dental Sleep Medicine Devices**

## Milled Devices

High precision 5-axis milling machines create a device with perfect clarity, superior durability and precision fit.



#### **DynaFlex Milled Dorsal®**

- Superior 2-Piece Design
- Minimal Thickness
- Up To 6 mm Of Advancement

DynaFlex® Dorsal has a two piece construction that enables more comfort for the patient. The Dorsal fins on the mandibular appliance interface with inclines built into the buccal of the upper appliance to dictate a specific mandibular position. The appliance is traditionally fabricated with adjustable screws on the maxillary appliance to allow for further advancement.



#### **DynaFlex Milled Adjustable Herbst®**

- Medicare E0486 Verified
- Great For Bruxism/Grinders
- Up to 5 mm of Advancement

The Adjustable Herbst<sup>®</sup> is a 2-piece construction held together with two inseparable hinged mechanisms on the buccal of the upper and lower appliances. The hinged mechanisms are designed with advancement screws to allow for titration and incremental advancement of the mandible to the desired position. The advancement screws have a 5mm range.

## ACCU-FIT\*

#### Available In All Milled Devices

The DynaFlex® patented Accu-Fit™ material provides superior retention, exceptional patient comfort and is fully re-adaptable after dental restorations. DynaFlex® is the only USA manufacturer offering a full line of FDA Cleared sleep devices with the Accu-Fit™ Material.



Accu-Fit™ Dorsal®



Accu-Fit™ Adjustable Herbst®



Scan To Watch An Educational Video

## **Dental Sleep Medicine Devices**

## **Traditional Devices**

Below are a few of our top-selling tradiitonal oral sleep devices made with highest quality of material.



#### **Respire Pink AT Micro**

- One Of The Smallest Hinge Designs On The Market
- 24% Hinge Reduction (Compared to the Pink AT)
- 4 + 4mm Titration (8 mm Maximum Advancement)
- Medicare Approved
- 3-Year Manufacturer's warranty



All Respire Pink AT devices have an advanced titration mechanism that offers simpler yet precise adjustments with measuring scales on arms.



#### **Respire Blue+**

- 4-Wing Design For Additional Support
- 2 Types Of Fitting Surfaces (Hard/Soft, Hard)
- 3-Year Manufacturer's Warranty

Respire Blue+ is a custom mouthpiece that features a dual block design with interlocking wings. Its recent redesign acheives 12.5% smaller device to increase overall comfort for the patient.

## **Our Expert Team is Here to Help**

We specialize in providing advanced dental sleep medicine solutions crafted with precision and care. Our team of highly trained professionals combines years of expertise with cuttingedge technology to deliver devices that prioritize patient comfort and performance. From our milled devices featuring patented Accu-Fit™ material to our trusted traditional designs, every solution is tailored to meet the unique needs of your patients.

We're committed to supporting your practice by offering innovative products, expert guidance, and unparalleled customer service. Schedule a consultation today to discover how DynaFlex can help you provide better sleep and improved quality of life for your patients.



**Schedule A Consultation** 



## **Revolutionize** Your Office **Workflow**

DynaFusion® is a major leap forward in digital prescription submission software and will completely revolutionize your office workflow. It will create amazing efficiency and it's incredibly simple and easy to use. DynaFusion® is free to our clients and offers unlimited support to make the transition as painless as possible. You can login, create a new case (from scratch or from a template), upload or link to your scans, submit, track and manage your cases with ease.

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- Expert Designer Support
- Supports Digital & Physical Models
- Easily & Quickly Attach Digital Files
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  Submit a case, shop products, pay your invoices
  & more all in one place



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