Appliance Product Information Catalog

When you use our services, you can be assured of the quality of our appliances as well as the technical advice and support we provide.

Experience the difference... your patients will appreciate the results!

Inman Orthodontic Laboratories Inc.
3953 NW 126th Avenue
Coral Springs, FL 33065
www.inmanortho.com
www.inmanaligner.com
Table of Contents

1 Our Pledge
2–3 Inman Aligner Family of Appliances
4–5 Inman Aligner—Adjusting the Appliance
6–7 Inman Power Component
8–9 Arch Development
10 Holding and Pediatric
11 Final Retention
12 Auxiliary Products—Clasps and Springs
13 Appliance Color Chart
14 Splints, Mouthguard and Pressure Formed
15 Perio Protect™—Your solution to healthy teeth and gums
16 Laser Welding Certified
17 3D Imaging
18 Inman Aligner Clinical Manual
19 Education
20 Caring for Appliances and Cleaning Kits
21 Financial Requirements
22 Turn-Around Schedule & Shipping Forms
23 Shipping Form
24 Rx Forms

Our Pledge

Inman Orthodontic Laboratories Inc stands behind every appliance we fabricate.

When you use our services you can be assured of the quality of our appliances as well as the technical advice and support we provide.

I promise to overwhelm you with the personal attention our customer service department will provide you and how easy it is to work with us.

Since 1977 Inman Orthodontic Laboratories Inc has been providing exceptional service to the dental profession and as we have grown we have invested in new technologies. One new technology is our use of Laser Welding, which allows us to fabricate better, stronger appliances by reducing or eliminating the use of silver solder. Our LabNet software allows us instant access to any information you or your staff might need regarding any services we have provided for you.

Our phone system technology virtually eliminates the chance that you will ever experience a busy signal when contacting us, resulting in a quick response to your questions.

As an innovator in the design and construction of Orthodontic Appliances we work hard to keep up with new ideas, trends, and technology.

It is our mission not only to provide unsurpassed quality and customer service but to continue to improve on the design and function of orthodontic appliances.

Sincerely,

Donal P. Inman CDT President
Inman Orthodontic Laboratories Inc.

Experience the difference... your patients will appreciate the results!
The Inman Aligner Family of Appliances was developed in 2000 and earned the first patent in 2002. It is our flagship appliance and has given Inman Orthodontic Laboratories worldwide recognition. We are very proud of the success of the appliance line and we are sure there is a design that will fit your practice perfectly.

**Inman Aligner Standard**
The Inman Aligner is designed for maxillary and mandibular incisal correction. Lingual and labial components are used to correct anterior rotations and crowding. Used when force from the facial as well as the lingual is needed to push and pull (squeeze) the four incisors into alignment.

**Inman Aligner “D” Habit Expansion**
This design allows transverse expansion as well as anterior retraction as the habit is broken. It utilizes a unique trombone-like component to support the Bluegrass roller.

**Invisible Inman Aligner**
With this appliance, the lingual active component is fabricated to an invisible retainer. The Invisible Inman Aligner is used when lingual to labial movement is needed due to lingual displaced anterior teeth and aesthetics is a concern.

**Inman Aligner Habit**
A great appliance used to close anterior spacing as tongue and finger habits are broken. When the teeth are moved into their ideal position the appliance becomes passive.

**Inman Aligner Wraparound**
This appliance is ideal when there is no room to cross the occlusion or when bridge work is involved. Fabricated with lingual and labial components to correct rotations and crowding.

**Inman Expansion Appliance**
Lingual and labial coil components to correct anterior crowding and rotations. The expansion midline screw is added to gain space. This appliance will gain up to 3mm of arch expansion or upright the lower posteriors to create extra room to align the anterior teeth.

**Inman Aligner Retraction Only**
Used for retracting teeth to close spacing. The appliance may also be used to reposition teeth into a better position before cosmetic dentistry to reduce the amount of enamel reduction (preps) needed.

**Inman Aligner Crossbite**
Eliminates the need for finger springs, screws or adjustments. This comfortable appliance usually will correct anterior crossbites in less than three weeks.

**Inman Aligner “DePaul” Habit Expansion**
This appliance consists of an exclusive pivoting anterior screw component that is connected to a palatal acrylic body and the Inman Aligner Retractable Bow. It is designed for anterior spacing cases in which incisor retraction and mesial bodily movement are required.

**Clear Bow**
The Clear Bow wire-free labial bow is a good option for patients concerned about aesthetics. Made from thermal-formed clear material the Clear Bow is almost invisible while being worn.
Inman Aligner – Adjusting the Appliance

Lingual Component

The lingual component of the Inman Aligner is the real “magic” of the appliance. It creates force parallel to the occlusal plane allowing bodily movement of teeth, not just tipping. It creates a steady but gentle force by compressing NITI coil spring between the lingual acrylic pad and the stainless steel tubes.

The lingual component may be removed from the main body of the appliance by gently pulling the assembly toward the anterior.

Once the lingual assembly is fully disengaged, remove the original NITI coil spring. Replace the NITI coil spring with a heavier NITI coil spring to increase the force or a lighter NITI coil spring to decrease the force.

A variety of wire gauges can be used to help achieve your result.

- 
  - .010 x .030 Standard Forces
  - .012 x .030 Heavier Forces
  - .014 x .030 Heaviest Forces
  - .009 x .030 Reduce Forces

Labial Component

Because the force from the labial component is so direct it rarely needs to be adjusted, but can be easily adjusted if necessary.

If an adjustment bead was used in the fabrication process, grasp the helix of the terminal end of the wire passing through the buccal tube with bird beak pliers. Wind the helix in a clockwise direction to increase the force, counter clockwise to reduce the force.

On appliances without adjustment beads, cut the terminal end of the wire passing through the buccal tubes. Slide off the coil spring and replace it with a heavier NITI coil spring to increase the force or a lighter NITI coil spring to decrease the force.

A variety of wire gauges can be used to help achieve your result.

- 
  - .010 x .030 Standard Forces
  - .012 x .030 Heavier Forces
  - .014 x .030 Heaviest Forces
  - .009 x .030 Reduce Forces

Clasp Adjustment

Whenever possible the 2nd Bicuspids are clasped with an Adams Clasp with a laser welded tube. The position in the arch and the shape of the Bicuspids make them ideal for maximum retention. Sometimes due to a tight occlusion or crown and bridge work we will move the Adams Clasps to the molars or use a distal molar C-Clasp and cantilever the tube forward to the Bicuspid area.

Adams Clasps are adjusted by grasping the Mesial U Loop with Jarabak pliers. Twist the U Loop toward the cervical margin of the tooth to tighten the clasp. Repeat this to the Distal U loop to complete the adjustment process.

The Adams Clasps can become loose and deformed by the force transmitted to the clasps as the appliance is being removed. Over time the wires crossing the occlusion will need to be adjusted back down reversing the deformation, simple finger pressure is often all that is needed.

C-Clasps can also become distorted by the force transmitted to the clasps during removal. Simple finger pressure will return the clasp to the proper occlusal / gingival position. Using a pair of 3 prong pliers to bend the free end of the clasp tighter into the embrasure will increase the overall retention.

The Requirements for Fabrication

- Accurate maxillary and mandibular stone models. We need two models of each arch that will be treated with the Inman Aligner, or we can duplicate your models for an additional charge.
- A wax bite, registering proper articulation of teeth.
- A prescription form that indicates the design and teeth to be repositioned.
- Interproximal reduction: —— mm.
- Adams clasp placement (standard 2nd bicuspids)
- Auxiliaries: coffin wire, tongue crib, tongue pearl.

The Inman Aligner is sent for each patient with an Instruction and Care Pamphlet and an Appliance Case.
Inman Power Component

We designed the Inman Power Component (IPC) due to our frustration with the size and function of other components commonly used to compress open coil springs to generate force.

The concept and function of the IPC is simplistic beauty and allows adjustment by the patient or patient’s guardian, making it a very efficient choice of creating force.

Usage:
The infinite number of uses of this simple, dependable component will develop over time and we encourage you to use your imagination and knowledge to help us discover all of the IPC’s potential. Inman Orthodontic Laboratory will work with you on any ideas you may have for the IPC. We will reward you for documented case results using your designs.

The Force:
The IPC compresses coil spring with an easy to adjust unidirectional sliding lock. The lock can be advanced 1mm “click” at a time for accurate, predictable activation.

Multi-Functional!
Easy to Adjust!
Guaranteed to Never Slip!

Activating the IPC Appliances

The IPC is easily adjusted by advancing the sliding lock using our special IPC tool. A Ligature Director may also be used.

DO NOT ACTIVATE THIS APPLIANCE PRIOR TO INSERTION.

It is important to remember that the sliding lock is unidirectional and cannot be reversed. We use constant force Nickel Titanium Open Coil in all the appliances we fabricate; this allows you to have greater control of the tooth movement. We design the appliances with physical stops to control the amount of correction and eliminate the fear of over correction.

To reduce the force due to over-activation of the sliding lock, grasp one end of the open coil NiTi spring with Jarabak pliers and gently pull it. As the coil unwind to the desired length, cut the coil flush with the component.

IPC Appliances

E-Arch
For controlled expansion of either arch, the IPC/Arnold Expander is a great choice. Insert it completely passive then adjust the sliding lock to generate the amount of force you desire. This is a proven design with the advantage of the control the IPC offers.

IPC Distalizer
We feel the IPC Distalizer is the easiest Distalizer to adjust. You can rely on 1mm of distalization per month and you can convert the appliance chairside from an active Distalizer to passive holding arch. To do so simply paint the IPC where it engages the tube with flowable composite and light cure, then cut and smooth the wire from the Nance button to the bicuspids band or rest.

IPC 3-Way
Our 3-way appliance uses a unique trombone mechanism that eliminates any cutting or modifications after expansion is achieved. Once you are ready to distalize simply slide the lock to compress the coil spring.
Arch Development

Developing arch form through the use of expansion is common and effective. Inman Orthodontic Laboratories can help you with our complete line of expansion appliances. We fit bands, add bite planes and add other auxiliaries to help you achieve great results with little time and hassle.

Appliances

**Removable 3-Way**
For transverse expansion as well as A/P development. This appliance can be fabricated using one 3-way screw (for minor movements) or 3 individual screws for large corrections.

**Hyrax**
Rapid Expander for midline suture separation. It can be fabricated using many different size and style screws. It may be made using two bands and two rests (suggested) or four bands.

**Schwartz Appliance**
Removable option for expanding the upper and lower arch. The appliance can be fabricated with posterior bite blocks and many auxiliaries such as finger springs and habit controls.

**Quad Helix**
Highly adjustable expander that can be controlled by the clinician to the needs of the specific patient allowing differential expansion of the anterior and posterior.

**Fan Screw Hyrax**
Hyrax type screw to expand the anterior mainly and the posterior minimally.

**Compact Hyrax**
A compact and comfortable design utilizing 2 arms instead of 4.

**Haas**
This appliance adds palatal acrylic and is both tooth (bands) and tissue supported.

**W-Arch**
Similar to a Quad but without the helixes, may be used on either arch.

**Bonded Hyrax**
This appliance replaces the bands of a standard Hyrax and instead relies on bonding the occlusal acrylic to the posterior teeth. This design is often used in High Angle cases.

**Flea**
Fixed Lingual Expansion Appliance—a sturdy and reliable lower expansion design.

**Fixed Sagittal**
A great appliance to gain some A/P space as well as round out the arch. Adjustments are made by opening up the Omega Loops and generating anterior/posterior force.

For more information, call 1(800) 289.0118
Holding and Pediatric

Whether you need to hold space, regain lost space or break habits, our metal appliances are carefully crafted and most connections are laser welded.

Holding Appliances

- **Space Regainer**
  - An effective appliance for regaining space.

- **Nance Holding Arch**
  - This appliance keeps the molar position in developing dentition.

- **Band and Loop Space Maintainer**
  - This appliance is used for maintaining space.

- **Trans Palatal Arch (TPA)**
  - Keeps the molar position as well as holds expansion, the Omega loop may be activated to rotate the molars.

- **Lingual Arch**
  - Used for the upper and lower arch, with or without the Omega loops. Used to maintain arch form.

Habit Break Appliances

- **Tongue Crib**
  - A great appliance for discouraging thumb sucking by blocking the thumb from the palate. This design may also be used for tongue thrust habits.

- **Blue Grass Roller**
  - This is a counter conditioning appliance that eliminates the harmful thumb sucking habit by teaching the patient to play with the roller using their tongue. It is instant and very effective as the patients almost always find spinning the roller more satisfying than sucking their thumb.

Final Retention

These appliances are great for final retention. Most can be modified to aid in minor corrections. There is a variety of creative acrylic colors and patterns that patients will enjoy.

Retention Appliances

- **Spring Aligner**
  - For minor tooth corrections of the centrals and laterals, this appliance may also be used as the final retainer.

- **Mini Spring Retainer**
  - For very minor corrections of the centrals and laterals, this appliance may also be used as the final retainer.

- **Hawley**
  - Labial bow cuspid to cuspid and an acrylic palate for retaining teeth after orthodontic treatment. Clasps, finger springs, labial acrylic and bite planes are some of the options available.

- **Retainers with Pontics**
  - We can add a tooth or teeth to almost any retainer we allow. Since they are bonded, it eliminates compliance and all are good choices for final retention.

Wraparound Appliances

- **Wraparound**
  - Labial bow from distal molar to distal molar eliminating any wires crossing the occlusion. This design allows settling of the occlusion and is a great choice for final retention. Clasps, finger springs, labial acrylic and bite planes are some of the options available.

- **Wraparound with Clasps**
  - For better retention we can laser weld the labial bow to Adams clasps or C-clasp. Clasps, finger springs, labial acrylic and bite planes are some of the options available.

- **Wraparound with Support Wires**
  - To keep the bow more stable we can add light wires between the laterals and cuspids or between the cuspids and bicuspids. This wire is tightly adapted and will not interfere with the occlusion.

- **3-3 Lingual Appliances**
  - These appliances may be fabricated for the lower and the upper when occlusion allows. Since they are bonded, it eliminates compliance and all are good choices for final retention.
Auxiliary Products – Clasps and Springs

We can add many different types of auxiliaries to any appliance. From extra clasps for increased retention to finger springs to move a tooth or teeth. We can also incorporate labial acrylic to the bow to eliminate any chance of rotation or screws for expansion. Here are examples of some of the auxiliary options we offer.

Retention

- Adams Clasp
- Arrow Clasp
- Ball Clasp

- Adams Clasp laser welded to wire
- C-Clasp laser welded to wire
- C-Clasp laser welded to labial bow

- Z Spring
- Sweep Springs

Finger Springs

- Distal Kicker Spring
- Closing Spring

- Z Spring
- Sweep Springs

Bite Blocks

- Bite Blocks and Screws
- Screws

Retention Finger Springs

Appliance Color Chart

We make wearing appliances fun and exciting for your patients. Choose from a variety of wild colors and custom designs.
Splints, Mouthguard and Pressure Formed

Our mouthguards, splints and pressured formed appliances are strong, reliable and offer unparalleled patient comfort.

Splints

Flat Plane Splint
- Used for TMD problems as well as to protect dental work or natural dentition from bruxing.

Flat Plane with Anterior Guidance
- This splint is designed so that as the patient moves through excursions the posterior teeth lose their contact (disocclude) with the splint.

Deprogrammer
- This appliance only allows contact with the lower centrals and laterals not allowing the patient to clench and cause muscle disharmony. This is a very effective and simple appliance and is very well accepted by patients.

Pressure Formed Appliances

Athletic Mouthguard
- All your patients involved in sports should be advised to wear a custom made, fitted mouthguard to prevent tooth, neck and jaw damage as well as concussions and other serious injuries. We can fabricate mouthguards in different thicknesses and a variety of colors.

Bleaching Trays
- We use BioStar Positive Pressure Forming machines to fabricate well adapted and tightly sealed bleaching trays.

Invisible Retainers / Essex Retainers
- Our standard is .040 or 1mm before being formed but we can use any thickness you prefer. Teeth can be added for support of spaces.

Flat Plane with Anterior Guidance
- This splint is designed so that as the patient moves through excursions the posterior teeth lose their contact (disocclude) with the splint.

Deprogrammer
- This appliance only allows contact with the lower centrals and laterals not allowing the patient to clench and cause muscle disharmony. This is a very effective and simple appliance and is very well accepted by patients.

For more information, call 1(800) 289.0118

Perio Protect™ – Your solution to healthy teeth and gums

Give Your Patients an Alternative in Treating Gum Disease.

What is Perio Protect™

Perio Protect™ — Your solution to healthy teeth and gums. Perio Protect™ is a revolutionary new method to treat periodontal disease using an FDA-cleared medical device to deliver dentist-prescribed medications directly to the source of the infection. These medications address the pathogens that cause gum disease.

The medical device is a set of custom trays prescribed by the doctor and fabricated in our laboratory. The trays offer varying thickness and differing extensions to support a special patented seal that directs antimicrobial agents of the dentist’s choosing into the gingival sulcus, and the method maintains the medications for a sufficient frequency and duration of time to allow the medications to control the pathogens causing the infection.

As healing occurs, patients alter the frequency and duration that they wear their trays.

For more information on this great product call Inman Orthodontic Laboratories 1(800) 289.0118

Before treatment with Perio Protect™ Trays

After treatment with Perio Protect™ Trays
3D Imaging

Inman Orthodontic Laboratory Digital Study Models with advanced diagnostic tools.

- Highly accurate
- Full coverage — scans all undercuts automatically using 3-axis motion system
- Easily scans the antagonist

Advantages of 3D Image
- Color Distance Mapping
- Occlusion analysis
- Measuring and analysis tools
- Tooth width analysis
- Bolton analysis
- Space analysis
- Ideal arch analysis / available space

NEW! 3-D Digital Printing

Inman Orthodontic Laboratory continues to invest in new technology to better serve our Doctors.
We can create 3D models from digital dental impressions or digital scans of dental models.
Our Objet Rapid Prototype machine can "print" accurate 3-dimensional dental models that can be used to fabricate appliances.

To learn more about any of these services, please call 1(800) 289.0118
Inman Aligner Clinical Manual

The 160 page Clinical Manual for the Inman Aligner™

This hard cover manual explains how to incorporate the Inman Aligner into your dental practice by illustrating proper Case Selection techniques and Arch Analysis. With the use of this manual, you will have the confidence to add a new service to offer your patients and increase your bottom line. Everything is covered from Anchors to Spacewize™.

The manual includes:
- The Workings of the Inman Aligner
- Model Evaluation and Arch Analysis
- How to do Interproximal Reduction
- Correcting Crowding
- Case Studies
- Clinical Cases
- Diagnostic and Treatment Plan Review
- and much more!

Education

The Inman Aligner™ Hands-On Seminars

These thoroughly comprehensive Seminars are offered periodically at various locations throughout the year.

Learning Objectives:
- Diagnosis and case selection
- Movement potential
- Arch evaluation
- Fitting and adjusting an aligner
- Interproximal reduction
- Composite anchor placement
- Retention technique
- Restorative pre-alignment
- Ethical considerations

The Inman Aligner™ On-Line Course

If you can’t attend a seminar, take the Inman Aligner on-line course. www.straight-talks.com

The Inman Aligner™ On-Line Support

With the certification, you will have access to our on-line support and tools.
- Comprehensive articles and information
- Post your cases and discuss with other dentists
- Utilize our Spacewize™ calculator- instantly accesses cases at your consultation

Visit www.straight-talks.com and begin your Inman Aligner course study program today.

“Incredibly comprehensive, simply brilliant. Truly inspirational.”
Dr. Sverker Torekog, Internationally renowned speaker

These courses are reserved to 40 dentists and 20 staff.
Caring for Appliances and Cleaning Kits

Keep Your Appliances Clean and Fresh!

Retainer Brite cleans your Hawley Retainers, Inman Aligners, Mouthguards, Splints, and most other removable Dental Appliances.

- Helps remove plaque and tartar
- Kills germs and bacteria
- Cleans and brightens
- Keeps appliances fresh

Retainer Brite Cleaning Tablets and Sonic Cleaner

Includes the following:

- Sonic Cleaner
- 1 year supply of tablets

Call to order
1(800) 289.0118

Retainer Brite Cleaning Tablets

- 36 count – Case of 24
- 92 count – Case of 12

Financial Requirements

Your account is opened with your first order. It’s that simple!

You will receive a welcome packet including Rx forms, mailing labels, and information regarding ordering, scheduling, and procedures. As a courtesy, we will send you a monthly statement summarizing your activity.

Payment upon receipt of your invoice is greatly appreciated.

Your account is due upon receipt of your statement and credit card payments are accepted through the 15th of the month. We suggest sending the right hand portion of your statement along with your payment or writing the invoice number on your check.

PAYMENT METHODS

AUTO-BILLING: your credit card will be automatically debited from your financial institution and your statement paid on a date set with our office manager.

CREDIT CARD PAYMENTS: We accept Visa, MasterCard, Discover, and American Express. To pay by credit card, please write the account number, expiration date, three digit security code located on the back of your MasterCard, Visa, or Discover. Your American Express card has a 4 digit code located above the account number.

Invoices over 30 days will incur a 1.5% late charge (19.56% per annum), which will be posted to your next statement. Any account over 90 days will be processed through a collection agency and your account will be placed on C.O.D. status. These procedures are necessary as delinquent accounts place a severe handicap on the office overhead and cash flow, which eventually results in higher costs and increased fees to our clients.

Please call to speak to a friendly member of our staff!
(954) 340-8477 or 1(800) 289-0118.

We are always here to assist you!

Retainer Brite

Cleaning your Hawley Retainers, Inman Aligners, mouthguards, Splints, and most other removable Dental Appliances.

Retainer Brite Cleaning Tablets

- Helps remove plaque and tartar
- Kills germs and bacteria
- Cleans and brightens
- Keeps appliances fresh

Experienced the difference... your patients will appreciate the results!
Convenient, Reliable Shipping

Local Accounts
- Count 5 working days for appliances, beginning with the day after the package leaves your office.
- Local courier service is available. To schedule a pick-up for the same day you must call before 1 p.m. To schedule a pick-up for the next day you must call before 5 p.m.

Accounts Outside of our South Florida Area
- Count 9 working days for appliances beginning with the day after the package leaves your office.
- UPS 2nd day delivery is available to all out of area clients.

Please use the production turn-around chart and the work calendar to assist with your scheduling.

<table>
<thead>
<tr>
<th>APPLIANCES</th>
<th>PRODUCTION TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retainer</td>
<td>3 business days</td>
</tr>
<tr>
<td>Metal Appliances</td>
<td>3 business days</td>
</tr>
<tr>
<td>Splints</td>
<td>4 business days</td>
</tr>
<tr>
<td>Herbst Appliance</td>
<td>9 business days</td>
</tr>
<tr>
<td>Functionals</td>
<td>5 business days</td>
</tr>
<tr>
<td>Inman Aligner</td>
<td>7 business days</td>
</tr>
<tr>
<td>Perio Protect Trays</td>
<td>5 business days</td>
</tr>
</tbody>
</table>

Mailing Label
Please copy and use the appropriate Rx form and/or mailing label for your first case. Please call 1(800) 289.0118 to replenish your mailing packet of Rx forms and mailing labels.
### Rx Forms

Rx forms can be copied, filled out, and sent with your impressions or models. Call us at 1(800) 289-0118 if you need any mailing supplies.

### INMAN ALIGNER RX

<table>
<thead>
<tr>
<th>Reset</th>
<th>21</th>
<th>12</th>
</tr>
</thead>
</table>

- Only on very rare occasions can we change the position of the caps.

### SUPPLIES

- Spot of NTI Coil
- 010 x 030
- Patient Information Pack
- 012 x 030
- Molding Supplies
- Appliance Cleaning Kit

### COLORS

- Upper
- Lower

### Special Notes:

---

**We need two models of the arch involved and a counter model or pvs impressions. If they are not provided, a duplication fee will be added.**

**DENTIST SIGNATURE:**

3953 NW 128th Avenue • Coral Springs, FL 33065 • (954) 340-8477

CALL TOLL FREE 1-800-289-0118