ADVANCED LINGUAL ORTHODONTIC SOLUTIONS
HARMONY is the only lingual system that combines:

- Interactive Self Ligating Brackets
- Customized Bonding Pads
- Anterior Positioning Jigs
- Robotically Formed Arch Wires
- Digitally-Assisted Treatment

“As an orthodontist, I felt that the HARMONY System should adapt to the treatment philosophy of every clinician, providing doctors with the ability to design each case to meet their individual treatment goals. After successfully treating more than 1,000 cases with the HARMONY System, doctors have discovered just how easy lingual orthodontics can be when using advanced CAD/CAM and precision wire bending technologies.”

Patrick C. Curiel, DDS, MA
Founder of the Harmony Lingual System
THE WORLD’S FIRST DIGITALLY CUSTOMIZED SELF LIGATING LINGUAL SYSTEM

SIMPLICITY:
Easily opens and closes using the facial hole

DURABILITY:
Highly resilient clip engineered for strength and durability

LOW PROFILE TIE WINGS:
Gingival tie wings are designed for comfort and offer more flexibility with elastic chain and other attachments

PERFORMANCE:
Bevels and anti-friction zones for better sliding mechanics

HIGH-PRECISION SLOT:
Proprietary manufacturing methods create a slot that offers true control in all three dimensions to exacting tolerances

PATIENT COMFORT:
Designed for comfort with rounded edges and minimal intra-oral contact for a noticeably smoother feel in the mouth
HARMONY is a digitally customized self ligating lingual system that offers exceptional control in all three dimensions from the initial passive phase with small round wires to the finishing phase when tolerances between large rectangular wires and the actively-ligated slot are critical.

1. INITIAL PHASE: Passive clip for minimal friction during leveling and aligning

2. MIDDLE PHASE: Interactive clip for space closure and intra-arch mechanics

3. FINAL PHASE: Fully active clip for finishing with optimal control in all three dimensions
HARMONY
SELF LIGATION
BENEFITS

REDUCED CHAIR TIME
Self ligation technology combined with pre-formed arch wires makes for quicker and easier wire changes.

EFFICIENCY
Using self ligating clips instead of ligatures that tend to lose effectiveness over time may allow for longer duration between visits.

DEPENDABLE TREATMENT
The combination of precision manufactured self ligating brackets and robotically formed arch wires leads to highly predictable outcomes.

DURING TREATMENT:
The interactive clip gently and comfortably guides the tooth to its ideal position.
CUSTOMIZED BONDING PADS

Using proprietary digital scanning and CAD/CAM technologies, a highly accurate bonding pad is created for the lingual surface of each tooth. The customized pad integrates seamlessly with its corresponding interactive self ligating bracket. The slot of each bracket is positioned ideally on each tooth using a digitally customized adapter that works in conjunction with robotically formed arch wires to deliver doctor-driven, patient-specific treatment goals.
BONDING ACCURACY

Anterior positioning jigs are provided with every HARMONY case, which provides a mechanical guide for bonding anterior teeth that are unable to be bonded at the beginning of treatment or require rebonding during treatment.

Anterior Lingual Bracket with Customized Bonding Pad
ROBOTICALLY FORMED ARCH WIRES

HARMONY is the only lingual system that delivers predictable outcomes and efficient treatment mechanics using digitally customized self ligating brackets and arch wires. Using proprietary technology and information provided by the orthodontist, a fully customized, robotically formed series of arch wires are produced to fit the treatment goals of each patient as pre-determined by the doctor.
HARMONY offers three options for customizing the arch wires and the in/out dimensions of the appliances.

Compensation in the Wire
Arch wires are adapted as close to the tooth as possible. A small in/out dimension on every tooth adds more bends to the wire, but maximizes patient comfort.

Compensation in the Appliance
In/out dimensions are increased on some teeth to form an arch wire with minimal bends, which improves sliding mechanics when space management is critical such as extraction cases.

HARMONY Optimized
Arch wires are formed with most of the compensation in the wire, providing the optimal balance between patient comfort and sliding mechanics.

TYPES OF HARMONY ARCH WIRE
- Nickel Titanium
- Stainless Steel
- Beta Titanium
Skilled technicians at the Harmony Technical Center work closely with orthodontists to design a perfectly customized smile for every patient.

- Doctors view each case using HARMONY’s online clinical check feature, which provides a digital view of the finished case prior to fabrication of brackets and arch wires.
- The digital set-up for every HARMONY case is determined by the orthodontist’s treatment philosophy.
- Indirect bonding trays and positioning jigs take the guesswork out of lingual bonding.
- Each case is custom manufactured to deliver predictable results.
PATIENT CASE

BEFORE TREATMENT

After treatment

Fourth appointment
6 months in treatment

Finished case
9 months / 6 appointments

.A0 NiTi
Upper/Lower

.A0 x .025 NiTi
Upper/Lower

BEFORE TREATMENT

AFTER TREATMENT