



MEM Dental

About us

MEM is a highly reputed technology manufacturer for the medical industry, located in the Southern Tainan Science Park (Taiwan), with up-to-date facilities inaugurated in 2008 for developing and manufacturing premium quality and competitive price medical and orthodontic products.

Our high quality standards and expertise combining Metal Injection Molding (MIM), Ceramic Injection Molding (CIM), Plastic Injection Molding (PIM) and micro-molding allows produce any design-complicated medical device. All our orthodontic products are nickel-free and fully biocompatible to improve patient's safety and comfort.

Our Advantages

Our research and development team brings together the creativity, technology skills, and clinical experiences to shape innovative and practical medical and orthodontic products you desire. With full integrated in-house processes from micro-molding and raw material formulation until mass production our designed and manufactured products are the expression of high-end technology and experience in the medical and dental industry.

Our Mission

To provide our customers with high-quality, innovative medical and orthodontic products and superior customer support.



medical device **TECHNOLOGY**

MIM / CIM / PIM
Advanced Automation System

MIM Technology

MEM Dental Company has produced metal products with different materials such as stainless steel, titanium and CoCrMo alloy for diverse industries.



CIM Technology

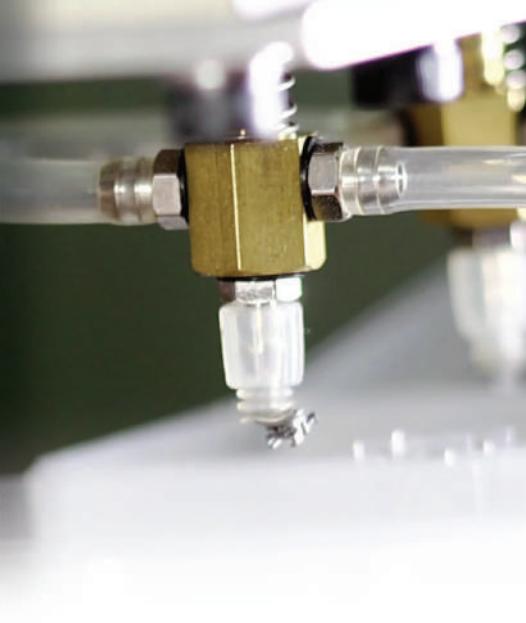
MEM Dental Company is specialized in producing ceramic products made of Aluminum Oxide and Zirconium material.



PIM Technology

MEM Dental Company is also expert in powder injection by using materials of TPU (Thermoplastic Polyurethane), PC (Polycarbonate) and PA (Polyamide).





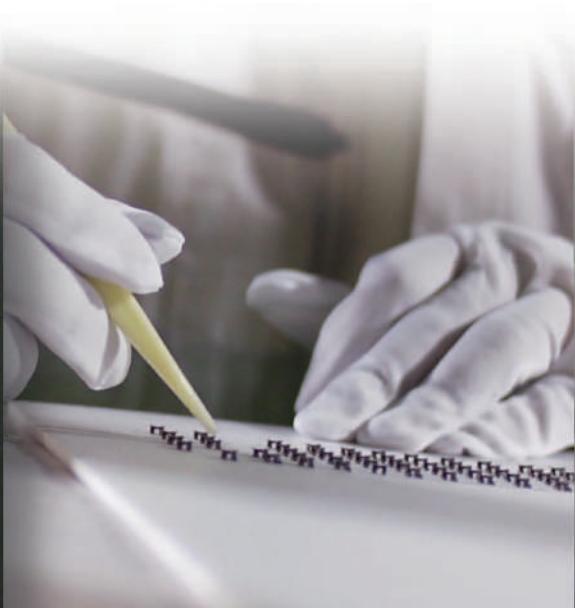
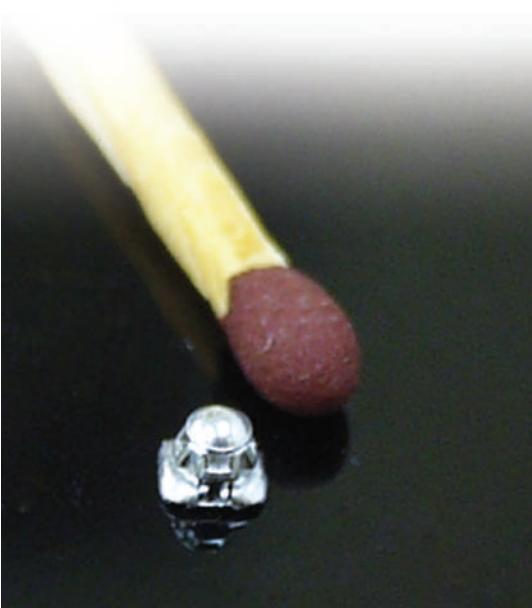
The Best Cost Saving Molding Technology

MEM Dental Company has long experience in making Micro MIM molds. The molds are designed with interchangeable inserts to reduce costs of making extra molds.



**MEM is certified with
ISO 13485, CE, FDA, TFDA, KFDA, SFDA and GMP**

High quality medical devices are the result of an entire quality process supported by technical and scientific capabilities and the proper certifications to assure a complete value-chain , and all these are offered by MEM.

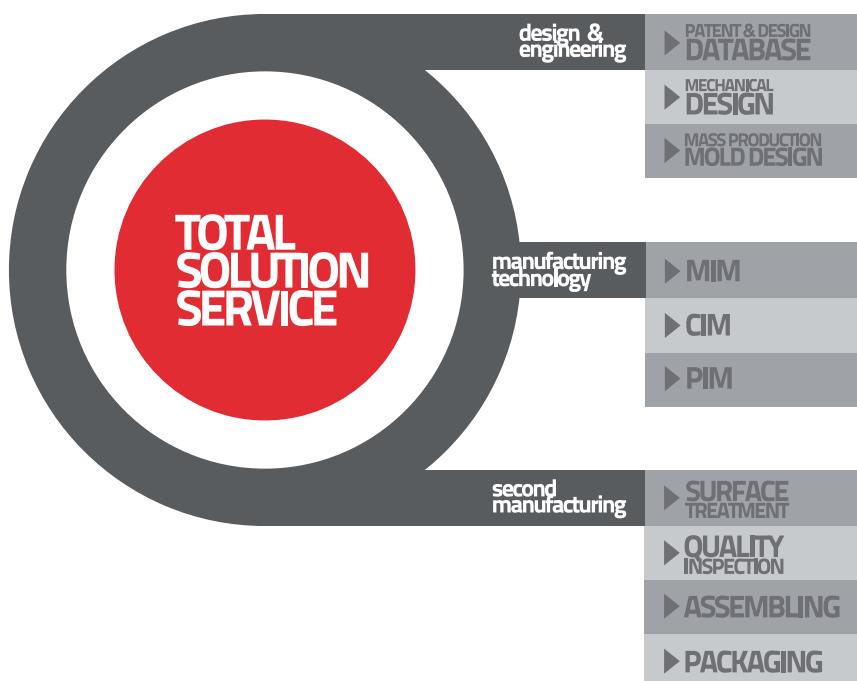


one stop shop

SERVICE

Designing & Manufacturing

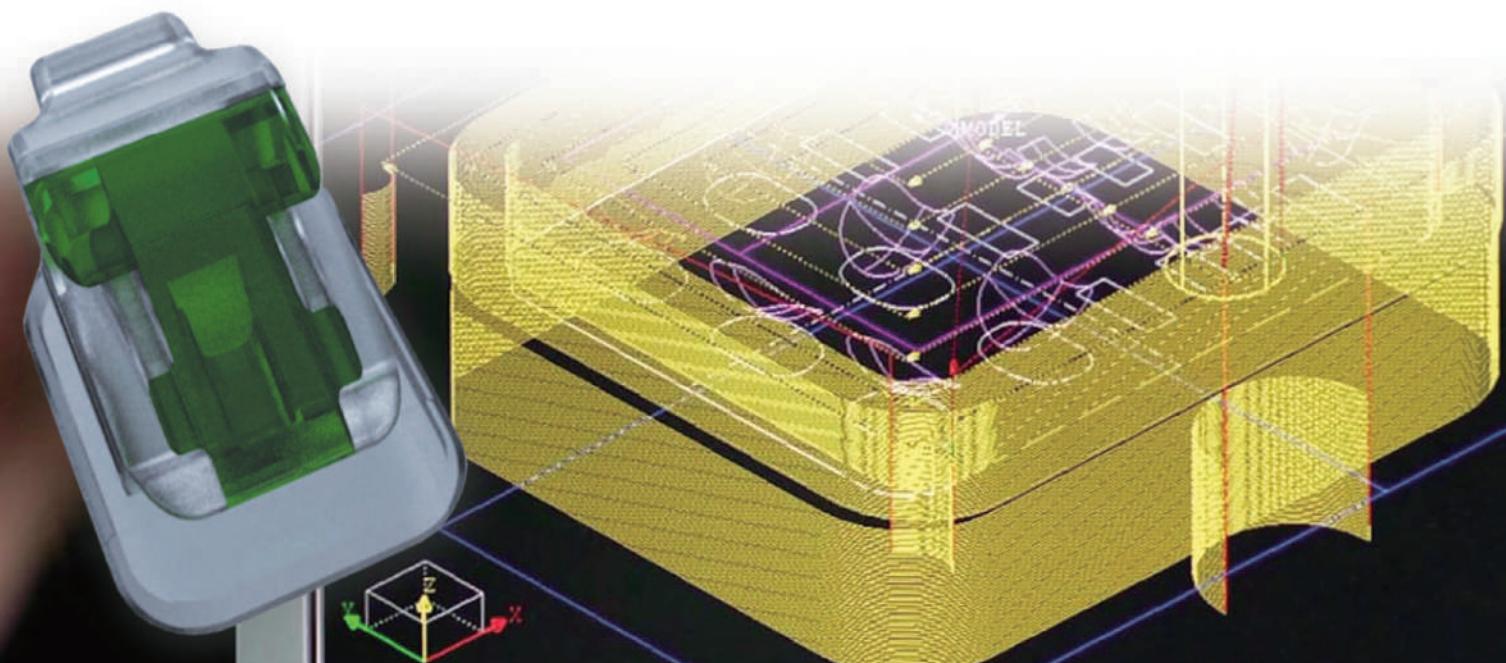
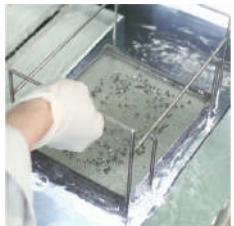
MEM Dental Company is a ONE STOP SHOP for the medical devices industry. Our business embraces several activities from micro and macro molding design and manufacture, raw material formulation, product design, fast prototyping, trial manufacture, testing assurance, until mass production. All made in-house.





Full Range of Secondary Manufacturing Services

MEM Dental Company offers a full range of secondary manufacturing services including Surface Treatment, Welding, Assembling, and Packaging.



product catalog

CONTENTS

	BRACKETS	08
	BUCCAL TUBES	20
	BANDS	21
	ATTACHMENTS	22
	WIRES SPRINGS	26
	ELASTOMERICS PRODUCTS	36
	MIRRORS	40
	INSTRUMENTS	43

BRACKETS BUCCAL TUBES BANDS



GENIUS™ SYSTEM™

Self-Ligating Passive System

Heimas V
Experience Uniqueness and Beauty



Heimas mini
Experience smallest



EPS Elite Performance Series



Zeemas V



Zeemas A



Zeemas C



TUBA
Buccal Tube



MOLA
Molar Band



09 BRACKETS

GENIUS™ SYSTEM™

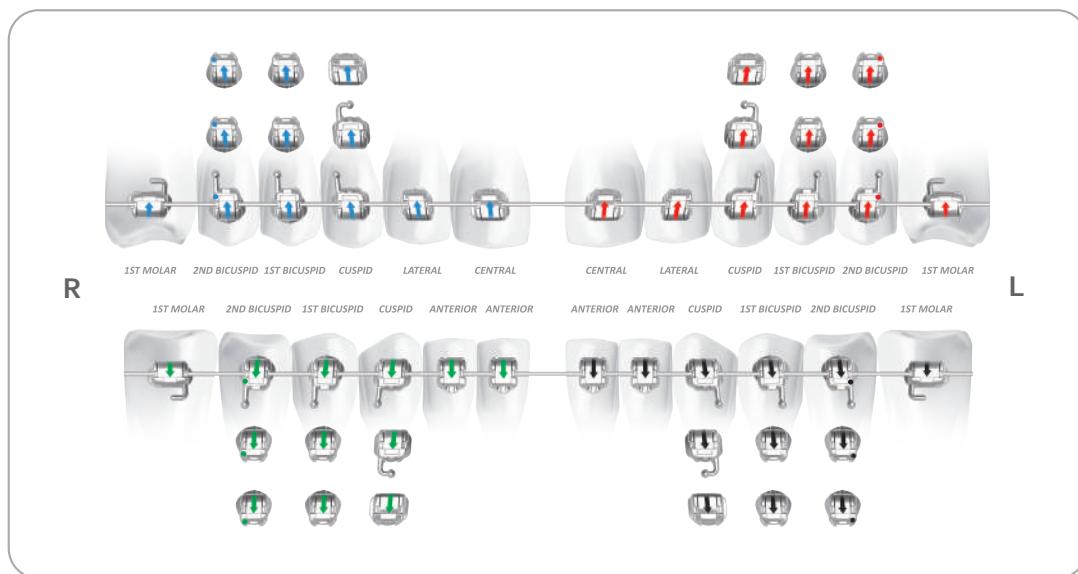
Self-Ligating Passive System



Single Piece MIM construction

Genius is a passive self-ligating bracket that combines strength and precision into a single piece construction. The smooth surface of the bracket design helps with oral hygiene which can prevent tartar and plaque buildup during treatment.

Identification System

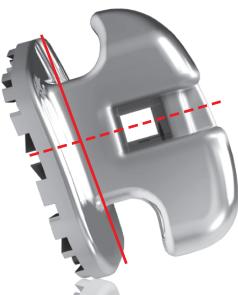


Prescriptions

Genius .022"

Maxillary Arch	Torq.	Ang.	Width
1 1 Central	+14°	+5°	3.3mm
2 2 Lateral	+6°	+9°	2.8mm
3 3 Cuspid with hook	+3°	+5°	3.1mm
4 4 Bicuspid with hook	-7°	+2°	2.8mm
6 6 1st Molar with hook	-17°	0°	4.3mm

Mandibular Arch	Torq.	Ang.	Width
1 2 Anterior	-6°	0°	2.8mm
3 3 Cuspid with hook	+3°	+5°	3.1mm
4 4 1 st Bicuspid with hook	-11°	+4°	2.8mm
5 5 2 nd Bicuspid with hook	-16°	+2°	2.8mm
6 6 1 st Molar with hook	-20°	+2°	4.3mm

**Single Piece MIM Construction**

- Precise prescription
- Prevent body and base separation

**Reduce Friction**

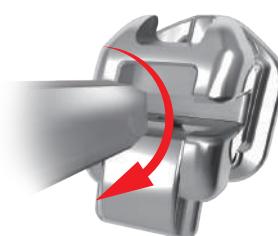
- Archwire slot with rounded corners

**Tie Wing**

- Ample under-twinging area for easy engagement

**Patients Comfort**

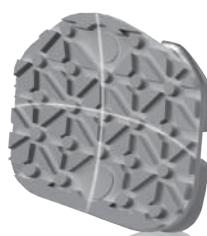
- Smooth rounded edges

**Opening/Closing Mechanism**

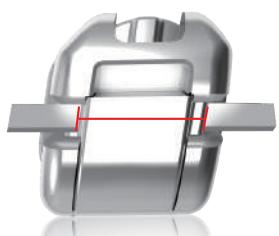
- Open with Genius Driver for greater comfort
- Close with light finger pressure
- Audible click ensures closing

**Center Scribe Line**

- Assist to orient the bracket in the right place

**Base Design**

- Reliable Bonding base design
- Well contour for easier placement
- Bicuspid with gingival offset base

**Full Rotation Control**

- Wire coverage increase
- Slot precision
- Prevent unwanted slot play

**Hooks**

- Fully-integrated hooks for 3,4,5

**Bracket Profile**

- Lowest in/out, improve patients comfort



GENIUS™ CRYSTAL™

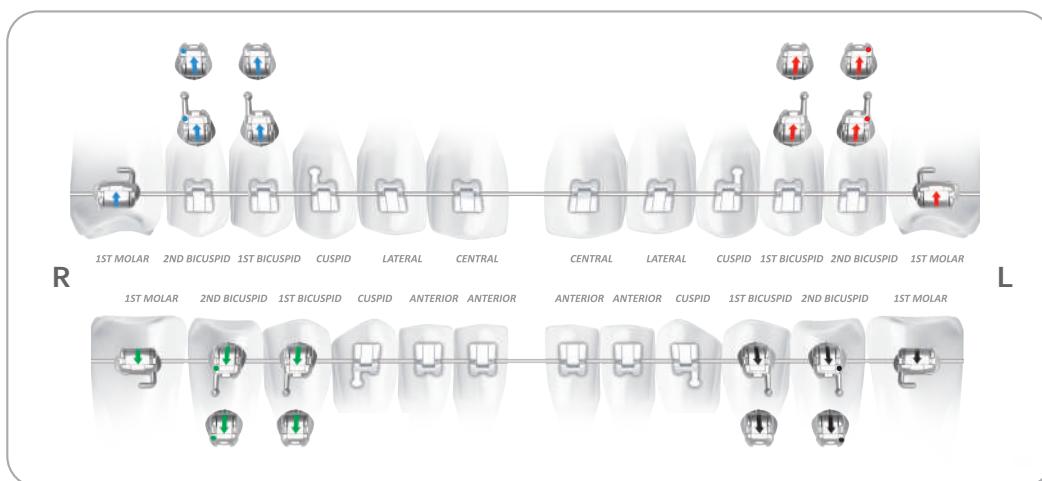
Self-Ligating Passive System

Single Piece CIM construction

Genius Crystal is a single piece passive self-ligating bracket made by high quality alumina oxide material. Our proprietary material formulation creates the best color that matches to the natural tooth color. Genius Crystal can provide you the best clinical result you need and aesthetic that your patients demand.



Identification System

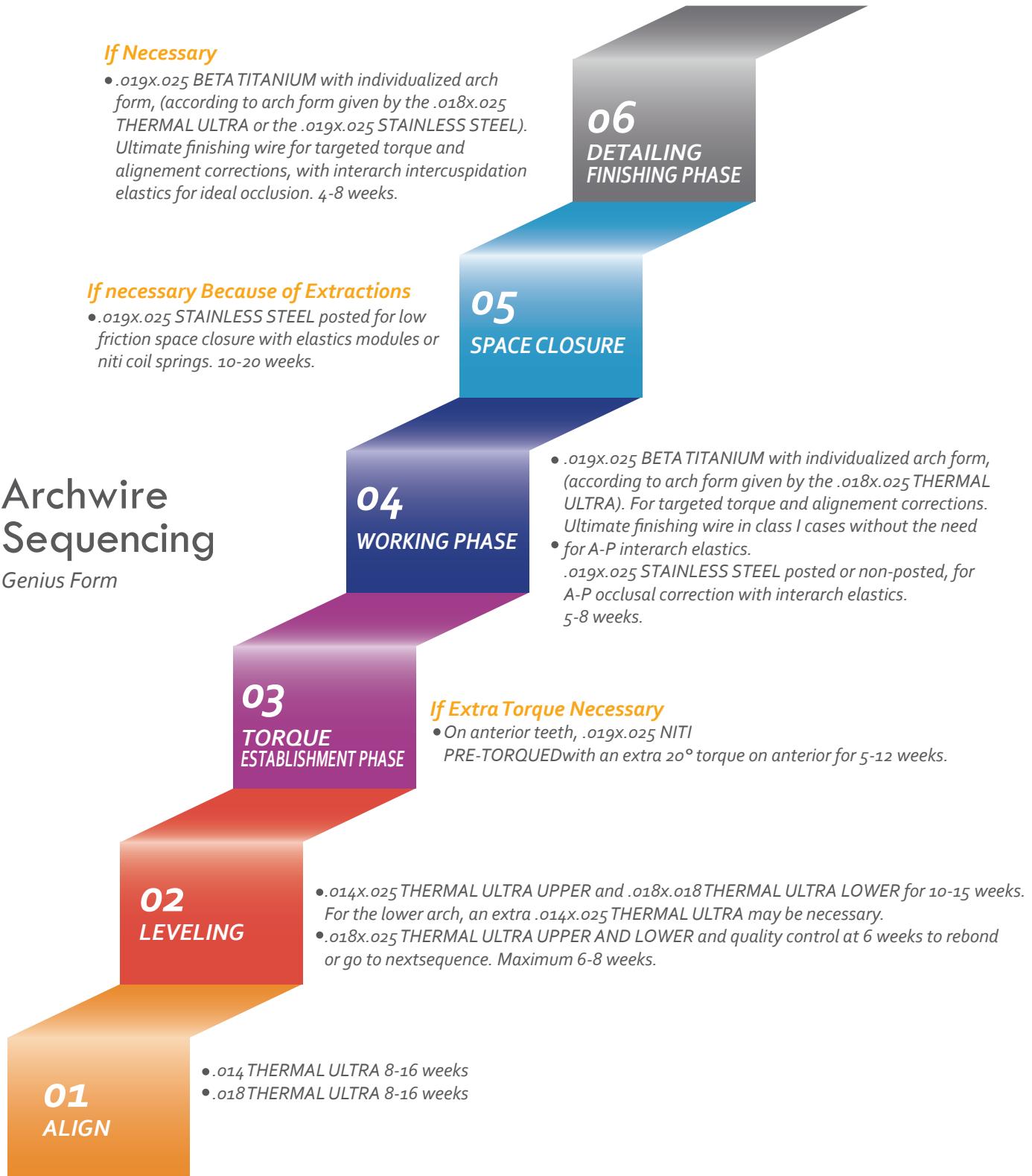


Prescriptions

Genius .022"

Maxillary Arch	Torq.	Ang.	Width
1 1 Central	+14°	+5°	3.5mm
2 2 Lateral	+6°	+9°	3.3mm
3 3 Cuspid with hook	+3°	+5°	3.4mm
4 4 Bicuspid with hook	-7°	+2°	2.8mm
6 6 1st Molar with hook	-17°	0°	4.3mm

Mandibular Arch	Torq.	Ang.	Width
½ ½ Anterior	-6°	0°	3.3mm
3 3 Cuspid with hook	+3°	+5°	3.4mm
4 4 1 st Bicuspid with hook	-11°	+4°	2.8mm
5 5 2 nd Bicuspid with hook	-16°	+2°	2.8mm
6 6 1st Molar with hook	-20°	+2°	4.3mm



Heimas V

Self-Ligating Passive System



- Ceramic Gate produced by Ceramic Injection Molding (CIM) technology which has superior strength and long-lasting color.



Experience Comfort:

Nano Polishing Technology

- Enhance surface smoothness
- Rounded edges provide patient's comfort
- Avoid food residue on bracket surface
- Reduce slot friction

Experience Nature:

Using Cobalt Chromium Alloy Material provides,

- High corrosion resistance
- High biocompatibility
- Reduce friction

Experience Efficiency:

Auxiliary Slots

- Allow two archwires at the same time for
- superior finishing

Experience Convenience:

Easy Opening & Closing

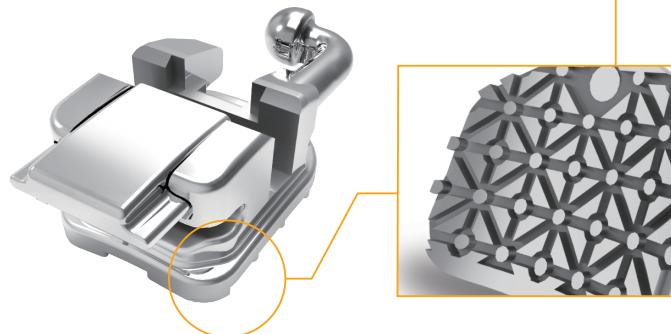
- Open with explorer and close with finger

Dumbbell-Locking Mechanism

- Provide "Full Stop" during opening and closing
- Provide audible "Click" during opening & closing

Unique Maze Base Design

- Securely bonding and simplified clean up
- Creates excellent bonding strength





Prescriptions

Roth .022"/.018"

Maxillary Arch	Torq.	Ang.	Width	Mandibular Arch	Torq.	Ang.	Width
1 1 Central	+12°	+5°	3.6mm	1½ ½ Anterior	0°	0°	2.9mm
2 2 Lateral	+8°	+9°	3.0mm	3 3 Cuspid with hook	-11°	+5°	3.1mm
3 3 Cuspid with hook	0°	+11°	3.1mm	4 4 1 st Bicuspid with hook	-17°	0°	2.9mm
4½ ½ Bicuspid with hook	-7°	0°	2.9mm	5 5 2 nd Bicuspid with hook	-22°	0°	2.9mm

Heimas mini

Experience smallest



Heimas V



Heimas Mini

Prescriptions

McLaughlin, Bennet & Trevisi .022"/.018"

Maxillary Arch	Torq.	Ang.	Width	Mandibular Arch	Torq.	Ang.	Width
1 1 Central	+17°	+4°	2.8mm	1½ ½ Anterior	-6°	0°	2.3mm
2 2 Lateral	+10°	+8°	2.3mm	3 3 Cuspid with hook	-6°	+3°	2.8mm
3 3 Cuspid with hook	-7°	+8°	2.8mm	4 4 1 st Bicuspid with hook	-12°	+2°	2.3mm
4½ ½ Bicuspid with hook	-7°	0°	2.3mm	5 5 2 nd Bicuspid with hook	-17°	+2°	2.3mm