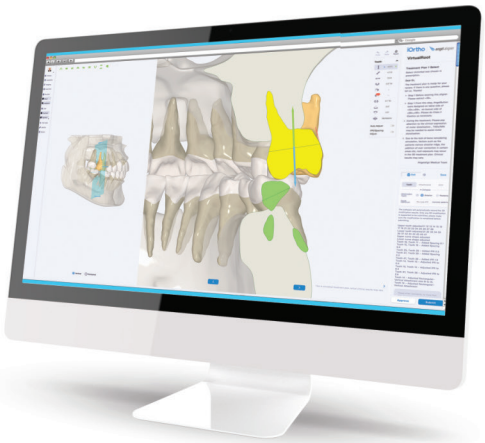






angel aligner™

Join the Smile Evolution

Product Portfolio









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Introduction

Angelalign Technology Inc. is a global provider of clear aligner technology and evidence-based clinical expertise. With over 20 years of experience and a commitment to research and digital innovation, we've treated over 2 million cases and are expanding our global footprint into Europe, the Middle East, Africa, Asia Pacific, and North & South America.

Since 2003, we have maintained a productive and scientific collaboration with orthodontists and over 80 universities around the world, enabling us to build large databases of complex orthodontic cases.











2003

Co-developed the 1st clear aligner treatment solution in China

Angelalign was founded in China

2006

Angel Aligner approved by CFDA and commenced commercialization of clear aligners

2007

Built the 1st 3D printing production for clear aligners in China

2011

Applied 3D printing technology to mass standardized production

2013

iOrtho™ Tx platform

2014

1st A-Tech Forum

2015

A6 Mandibular Advancement Solution

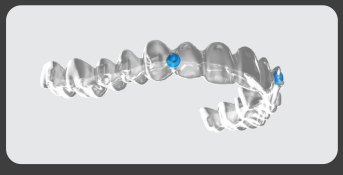
2016

Angel Aligner Pro Dual Material

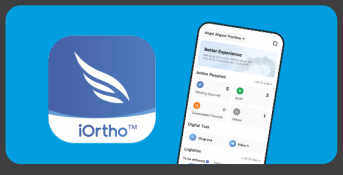
Our state-of-the-art research & development production facilities are globally positioned to bring fresh perspective and technological advancements to clear aligner manufacturing and customer service.

Our team of highly experienced technicians are orthodontically attuned to the nuances of precision case design. With specialized knowledge in managing complex malocclusions, they are fully equipped to support your treatment planning needs with consistently high-quality case designs and efficient turnaround times.

We deliver a streamlined approach, innovative products and tools, and experienced customer support to continuously push the edge of technology, product development and service to better serve orthodontic professionals and ultimately, your patients.







2017

New high precision testing & computer aided biomechanical technology

1st UCLA Elite Education Program

2019

KiD launch Mixed Dentition

angelButton™

2020

State-of-the-art R&D & Production Facility boosting clear aligner capacity to #2 in APAC region

Global Expansion Asia Pacific

2021

Listed on Hong Kong Stock Exchange

Intelligent Root System (CBCT)

masterControl S

2022

Purchase 51% of Aditek, Brazil

2023

Global Expansion Europe & USA

State-of-the-art Production Facility in Brazil

2024

Launch in Brazil and Canada

First European Angel Aligner Symposium in Malaga, Spain

angelHook™

2025

iOrtho™ app

myAngelSmile app

Angel Aligner Case Gallery

Virtual Roots 2.0

Product Portfolio

A Comprehensive Aligner Portfolio – Supporting Your Patient Need

Our aligner and retainer portfolio is built to support a broad range of clinical needs—from the early stages of orthodontic development through adult correction and post-treatment retention.
Whether you are treating growing patients, managing complex adult cases, or preserving results, our product offerings help you plan effectively across key treatment phases.

Angel Aligner Select

- **Flexible Treatment Options:** Personalized durations and stage planning tailored to your patient's needs.
- **Comprehensive Refinements:** Flexible refinements and protocols to optimize outcomes.
- **Versatility:** Adaptable solutions suitable for a broad range of orthodontic cases, from simple to complex.

Angel Aligner Pro

Dual-Material Innovation

- **Two-material system used in each aligner stage** to enhance treatment precision and efficiency.

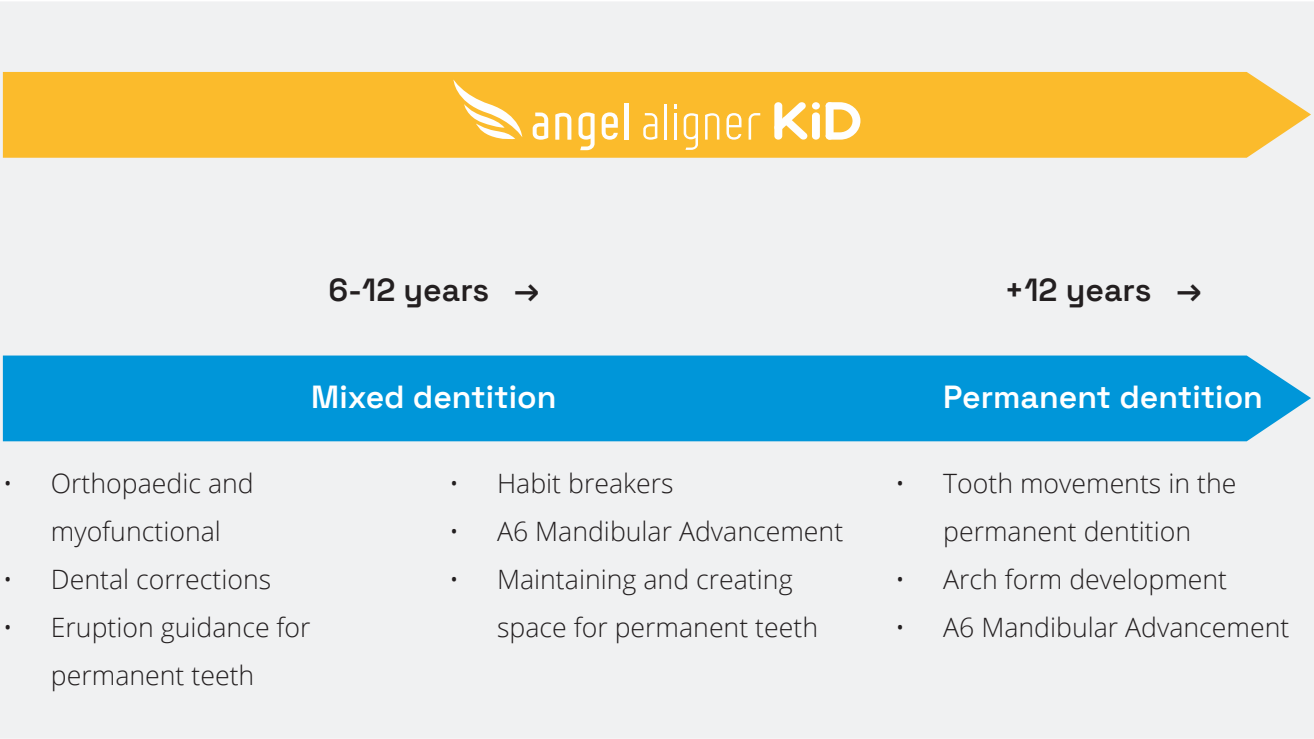
- **Step 1: masterControl S (MCS)**
  - Flexible aligner worn for the first **7 days** of each stage.
  - Provides optimal fit, comfort, and tolerance.
  - Initiates gentle forces.

- **Step 2: masterControl (MC)**
  - Firm aligner worn for the next **3 days** of the same stage.
  - Offers superior rigidity for retention and sufficient elasticity to allow some flexibility.
  - Designed to deliver more precise **root control, torque expression, and bodily movement**.

- **Synergistic performance**
  - MCS and MC work in tandem to optimize biomechanical sequencing—soft initiation followed by controlled correction.
  - Balances flexibility and rigidity to overcome limitations of mono-material aligners.

Angel Aligner KiD

- **Two-Phase Approach:** Structured to support both early intervention and continued development.
- **Age-Specific Features:** Includes features tailored to growing patients—such as A6 Mandibular Advancement block and functional features.
- **Functional Features:** Designed to meet paediatric clinical needs.
- **angelHook™ Integration:** Built-in design for adapted use of elastics, simplifying both prescription and wear for younger patients in protraction cases.
- **Targeted Application:** KiD is purpose-built for early and mixed dentition cases.



Angel Aligner Retainer

- **Flexibility:** Suitable for Angel and non-Angel cases.
- **Long-term Stability:** Reliable retention supporting sustained orthodontic results.

Product Portfolio

Treatment guide

Angel Aligner Product System					
Product System **Aligner per Arch**	**Select 10** Up to 10 Stages	**Select 20** Up to 20 Stages	**Select 30** Up to 30 Stages	**Select Unlimited** Unlimited[1]	**Pro** Unlimited[1]
Treatment Expiration Date	1 Year	2 Years	3 Years	5 Years	6 Years
Refinement within Expiration Date[2]	1	2	3	Unlimited	Unlimited
Retainer[3]	1	1	1	1	3
Passive aligners[4]	< Number of active aligners				
Replacement aligners[5]	Up to 20				
Indication	• Very Minor Crowding and Spacing • Minor Orthodontic Relapse • Aesthetic Improvements • Partial Treatment	• Smile Improvements • Minor Crowding and Spacing • Aesthetic Treatment (Veneer Restoration) • Simple Corrections • Pre-restorative • Partial or Combination Treatment	• Mild to Moderate AP • Crowding, Spacing and Vertical Discrepancies • Pre-restorative • Presurgical Treatment	Complex Cases	Complex Cases
Additional Clinical Features	Attachments, Elastic Cut, Button Cutout, Bracket Cutout, Eruption Guidance, Pontic, Bite Turbo, Curve Turbo, Occlusal Pad, Power Arm, Pressure Points, Intrusion Ridge, Rotational Ridge, AngelButton, Protraction Solution, IRS, ICS				
A6 Mandibular Advancement	/	/	/	Extra Charge	Included
Sagittal Direction	/	Up to 2.5 mm*	Up to 4.5 mm*	At Doctor's Prescription and/or Discretion*	At Doctor's Prescription and/or Discretion*
Clinical Movements	Based on Doctor's treatment plan and up to 10 stages	Based on Doctor's treatment plan and up to 20 stages	Based on Doctor's treatment plan and up to 30 stages	Based on Doctor's treatment plan and experience	Based on Doctor's treatment plan and experience

*These values are based on the Angel Aligner system's maximum velocity settings. They do not predict individual clinical or treatment outcomes but serve as a guide in selecting treatment packages based on default system configuration.

1. Unlimited aligners, provided within reasonable limits as part of a single orthodontic treatment.
2. a. Refinement(s) within the product package must be ordered before the treatment expiration date. b. Unlimited, includes clinically necessary refinements at reasonable intervals within the original treatment plan.
3. a. Retainer(s) within the product package must be approved before the treatment expiration date. b. Number of retainer(s) per treated arch, included free of charge.
4. Passive aligners with micro or no tooth movement are limited to fewer than the number of active aligners per phase, and up to the maximum number of aligners available in that phase, irrespective of whether they are for the upper arch, lower arch, or both. No individual shipment.
5. Replacement aligners are limited to twenty (20) per phase, irrespective of whether they are for the upper arch, lower arch, or both.

PRODUCT UPGRADE

- The upgrade comprises the maximum number of aligners, refinements, and an extended expiration period starting from the primary order's shipping date.
- The upgrade excludes previously approved treatment phases and refinements. Any refinements approved before the upgrade will count toward the total refinements available in the upgraded plan.

Angel Aligner Product System

Product System Aligner per Arch	KiD 1** Unlimited	KiD 2** Unlimited
Treatment Expiration Date	2 Years	5 Years
Refinement within Expiration Date	Unlimited	Unlimited
Retainer	1	1
Indication	• Phase I Dental and myofunctional treatment • Mixed Dentition Only	• Phase II Dental and myofunctional treatment
Additional Clinical Features	Attachments, Elastic Cut, Button Cutout, Bracket Cutout, Eruption Guidance, Pontic, Bite Turbo, Curve Turbo, Occlusal Pad, Power Arm, Pressure Points, Intrusion Ridge, Rotational Ridge, AngelButton, IRS, ICS, Protraction Solution, Tongue Positioner (Extra Charge on KiD 2), Tongue Crib (Extra Charge on KiD 2)	
A6 Mandibular Advancement	Included	Extra Charge
Sagittal Direction	At Doctor's Prescription and/or Discretion*	At Doctor's Prescription and/or Discretion*
Clinical Movements	Based on Doctor's treatment plan and experience	Based on Doctor's treatment plan and experience

**The time length between KiD1 and KiD2 is limited to 10 years.

Material Solutions

masterControl S™ masterControl™

Material Design Matters: Optimized Performance

Effective orthodontic movement requires balancing stiffness and flexibility. Traditional single-material aligner systems might compromise in comfort, control, or efficiency. Angel Aligner's mutlilayer and dual-material systems help overcome these limitations, giving clinicians the flexibility to select materials tailored to specific clinical needs.

masterControl S: Multilayer Composite for Consistent Force Delivery

masterControl S is a true multi-layer, delivering sustained, gentle orthodontic forces:

- **Firm layer:** Provide higher recovery strength to maintain aligner shape and support effective force application.
- **Flexible layer:** Enhances flexibility and promotes lower force initiation.

In testing under simulated oral conditions, masterControl S demonstrated superior shape resilience. Even after extended deformation, it recovered almost completely and immediately, confirming its mechanical stability and sustained performance over time.

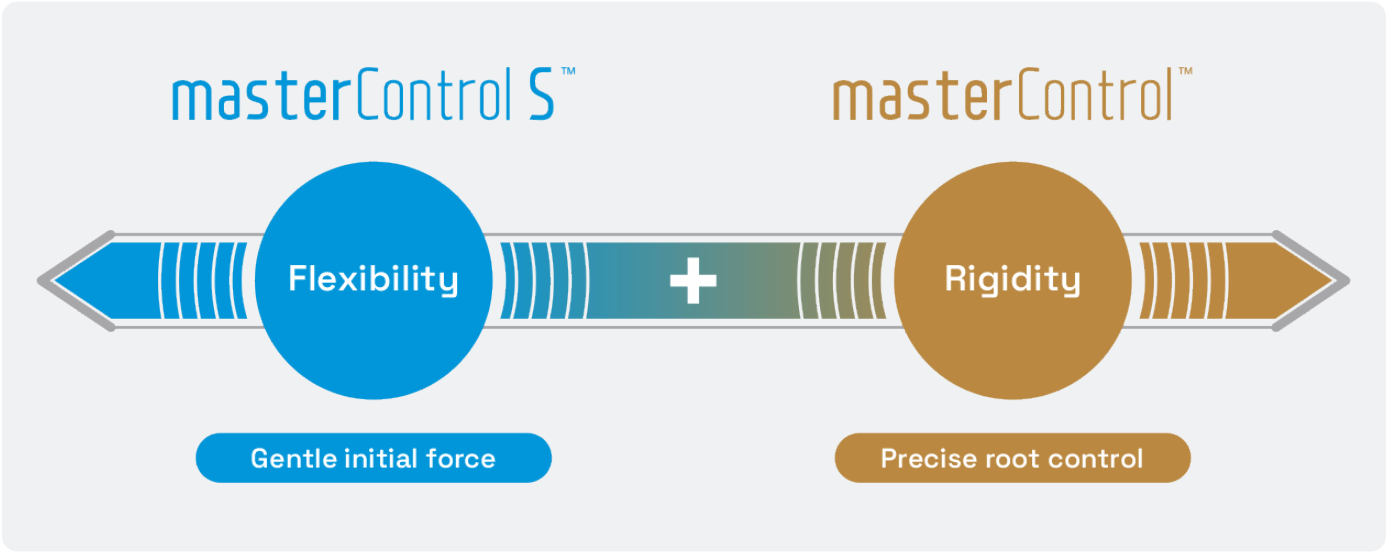
masterControl: Single-Layer Material for Targeted Precision

masterControl is a single-layer material designed for cases requiring greater mechanical performance:

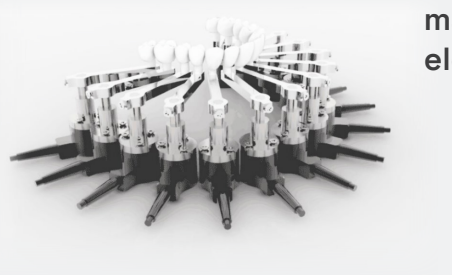
- Maintains shape and force over time, delivering reliable performance in demanding movements such as bodily translation, torque, extraction cases or deep bite correction
- Using single- and multi-layer materials strategically within the same treatment phase can enhance clinical control—especially when precise, sustained force delivery is required.

Clinical Flexibility

Angel Aligner's dual-material approach equips clinicians to manage a wide range of orthodontic challenges—utilising the balanced performance of masterControl S for general tooth alignment and expression, while incorporating masterControl in movement types that require greater force retention, shape stability, and control under sustained load, such as bodily translation, torque, or deep bite correction.


masterControl S™
masterControl™
Flexibility
+
Rigidity
Gentle initial force
Precise root control

Clinical Solutions



masterForce™, a test and analysis system for mechanical elements in the entire orthodontics process.

masterForce™

What is MasterEngine (ME)?

MasterEngine is our intelligent data platform designed to bring every piece of case information together in one secure, easy-to-use system.

- Photos of the patient's teeth
- X-rays
- 3D scans of the teeth

With ME, all the records a doctor uploads are automatically integrated into a single, streamlined platform.
Doctors can access his patient's data—bringing efficiency to treatment planning.
Every case is also carefully reviewed by our expert medical design team to ensure accuracy and consistency before planning begins.

In short: ME is the brain that gathers and organizes the case data for smart and efficient treatment planning.

What is masterForce™ (MF)?

masterForce™ is our technology system that focuses on the science of how teeth move. It helps doctors understand and predict the exact forces needed to move each tooth efficiently and safely with aligners. Built on advanced mechanical testing and smart computer algorithms, masterForce™ helps:

- Predict tooth movement more precisely
- Reduce mid-treatment adjustments
- Shorten treatment time by improving efficiency

MF covers everything from material design and 3D planning to aligner structure and force control—making the whole process more accurate and data-driven.

In short: MF is the muscle behind the movement—turning experience-based orthodontics into precise, data-backed, evidence-based treatment.

Clinical Solutions

A6 Mandibular Advancement Solution

Angel Aligner proudly pioneered the A6 Mandibular Advancement Solution—the first clear aligner system of its kind launched on the market. Designed specifically for growing patients with retrognathic Class II malocclusions, A6 streamlines treatment by simultaneously aligning malpositioned teeth and correcting the occlusal relationship.

This integrated approach enhances clinical efficiency and may reduce overall treatment time—offering a smarter, more effective path to Class II correction.

Angel aligners with A6 occlusal blocks were designed for growing patients with retrognathic Class II malocclusions.

1. Bite Opening for Mandibular Advancement

The A6 solution features specially designed posterior occlusal blocks.The inclined planes between maxillary and mandibular blocks posture the mandible forward. This guides the mandible toward a more physiologic position while establishing a stable occlusion.

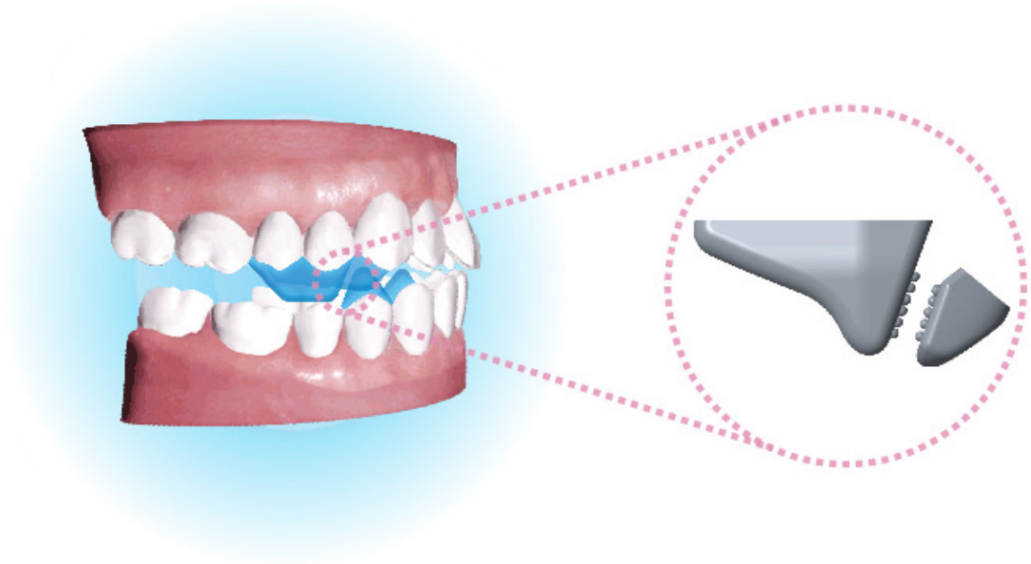
2. Simplified Operation by Software Design

The morphology of the occlusal block is automatically coordinated according to the vertical height and the occlusion throughout treatment staging. Hence, the treatment process is simplified without any chairside adjustment.

3. Combine Two Orthodontic Phases into One

Traditional functional appliances have 2 phases : the advancement, followed by tooth alignment and occlusal correction. A6 combines both of these into a single, integrated treatment delivering simultaneous skeletal and positional corrections. This improves orthodontic efficiency and may help to shorten the treatment duration.

4. Antiskid design



Hardware Features

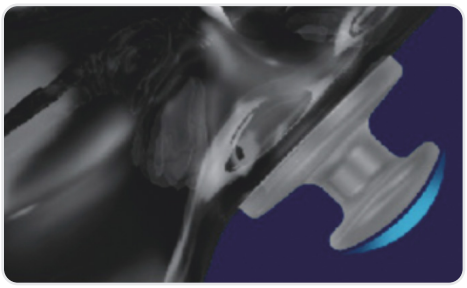
angelButton™

angelButton™ is manufactured directly into the aligner, eliminating the need for chairside bonding or adjustments. Its **unique design supports multidirectional elastic engagement,** allowing flexible placement and directed force control through software planning.

Unlike button cutouts, angelButton™ maintains the integrity of the aligners, preserving both the fit and the pushing surface area that are essential for effective force delivery and treatment predictability. It also improves **patient comfort** by avoiding the soft tissue irritation often caused by elastic cuts. This feature expands the range of built-in options for managing a wide variety of cases with greater ease and control.

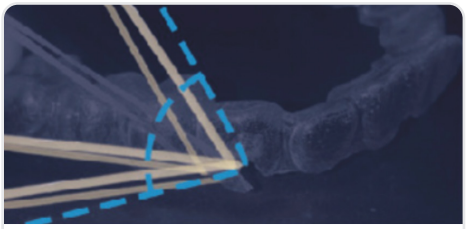
Integrated Structure

The angelButton™ is a part of the aligner, it resists deformation of the aligner that can occur with elastics cuts. It also dramatically reduces the clinic time.



Flexible Placement of Elastics

Flexible positioning of the angelButton™ allows for better use of intra-oral elastics and opens up a wide range of different uses of intra-oral elastics.



Precision Cut Elastics

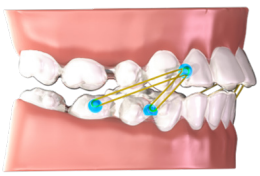


angelButton™ Elastics

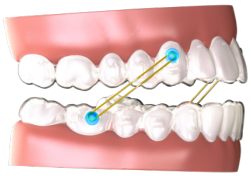
Ergonomic Design

- Round mushroom head design help reduce irritation of soft tissues
- Reduced button height to provide patient comfort
- Optimized undercut of button to provide easier and more reliable use of elastics

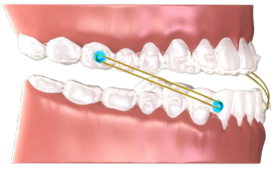




Short Class II elastics



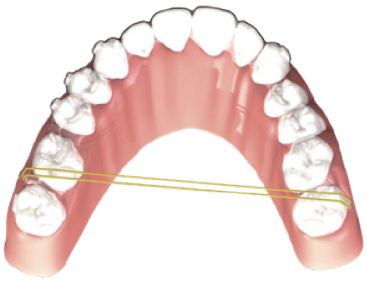
Class II elastics



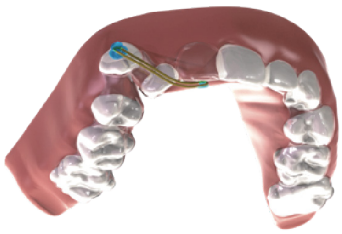
Class III elastics

Hardware Features

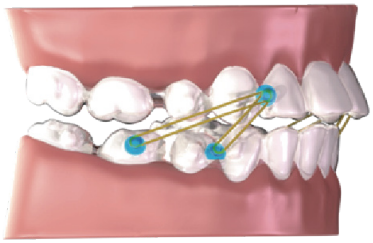
Versatility of angelButton™ placements for varying clinical requirements



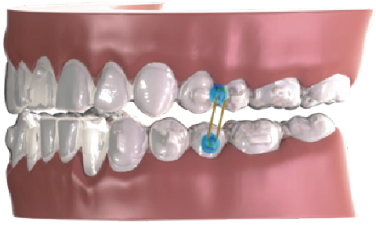
Intramaxillary elastics for arch width constriction



Malposed tooth traction



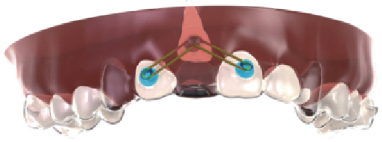
Short class II elastics



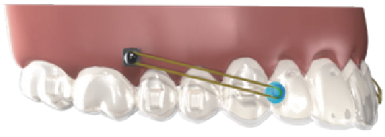
Intermaxillary vertical elastics



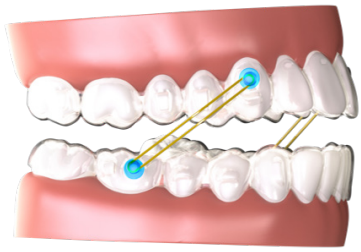
Crossbite elastics to coordinate arch width



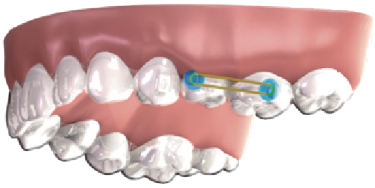
Impacted tooth traction



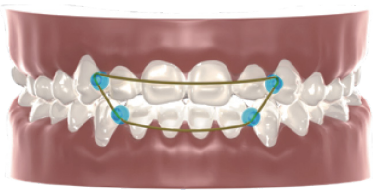
Anterior tooth retraction with TADS



Class II
elastics



Rotational correction
elastics



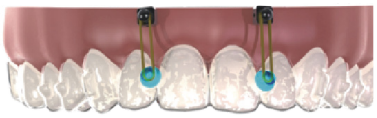
Anterior box
elastics



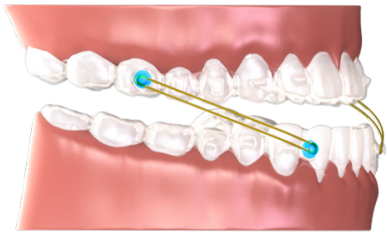
Anterior diagonal
elastics



Suspension elastics for
individual tooth extrusion



Anterior tooth intrusion
with TADS



Class III
elastics

Hardware Features

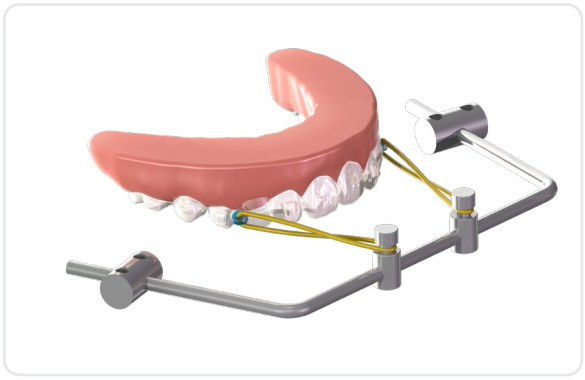
angelHook™

angelHook™: Enhancing Maxillary Protraction with Clear Aligners

angelHook™ is designed to work in combination with facemask and clear aligners. It was designed to effectively transmit orthopaedic forces to the maxilla, stimulating bone remodelling and enabling forward development of the maxilla.

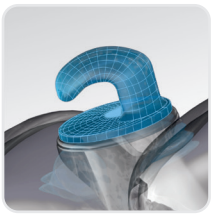
This solution can expand treatment possibilities for growing patients with maxillary deficiency, offering an alternative for early orthopedic correction with clear aligners.







Innovative hook design



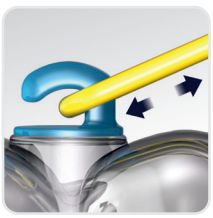
Integrated structure



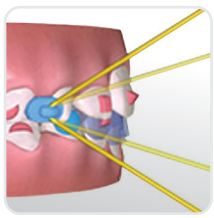
Smooth and comfortable



Stable protraction



Adaptable to different magnitude of protraction forces



Suitable for various protraction angles

Tongue crib & guide

Tongue Crib

- The tongue crib is a special Angel Aligner KiD feature designed to help control tongue thrusting habits.



Tongue Guide

- Passive correction of the tongue resting position.
- Available in the lower jaw at 3 points-design to guide an elevated tongue position.



Angel Aligner Features

Elastic and Force Management Features



angelButton™

- Provides an anchorage point, integrated directly into the aligner, to support elastic wear.
- Available on all teeth



angelHook™

- Supports with the protraction of the maxilla in growing patients to help correct jaw discrepancies
- Available on all teeth.



Button cutout

- Identifies the area where the aligner is trimmed to allow buttons to be bonded directly to the tooth surface.
- Available on all teeth.



Elastic cut

- Indicates the area of the aligner where cuts are made to support the use of intraoral elastics.
- Available on all teeth.



Power Arm

- The template allows you to bond your own power arm, for improved control of tooth movement.
- Available on canines, premolars, and molars.



Bracket cutout

- Indicates the cutout area of the aligner where a bracket can be bonded directly to a tooth.
- Available on all teeth.

Oclusion and bite adjustment features



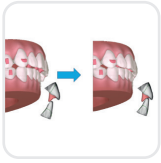
A6 occlusal blocks

- Assist in mandibular advancement.
- Placed automatically.



Bite turbo

- Can help with disoccluding the posterior teeth and may assist with intruding the anterior teeth.
- Available on incisors and canines.



Curved bite turbo

- Actively advances the mandible while opening the bite and maintains the mandible in position after advancement.
- Available on incisors.



Occlusal pad

- Can assist when correcting crossbite by disoccluding the arches and openbite by molar intrusion
- Available on premolars and molars.

Eruption and Space management features



Pontic

- A hollow, tooth-shaped placeholder built into the aligner in the space of a missing tooth.
- Available on all space, that is at least 3.5mm wide.



Eruption guide

- A hollow, tooth-shaped placeholder within the aligner that allows space for the natural eruption of teeth during treatment.
- Available on all teeth.

Movement enhancing surface features



Pressure points



Intrusion ridge



Rotation ridge

Conventional attachments



Bevelled rectangular vertical attachments



Bevelled rectangular horizontal attachments



Rectangular vertical attachments



Rectangular horizontal attachments



Retention attachment

Precision Attachments



Precision Root Control Attachment



Precision Tipping Control Attachment



Precision Rotation Attachment

Trimlines

Extended trimlines increase aligner contact area, designed to enhance retention and improving force delivery for more predictable and effective tooth movement.

Aesthetic trimline

Follows the gingival margin.



Extended trimline

2.5mm extension below gingival margin.



Hybrid trimline

Extended only in posterior area for greater anchorage.

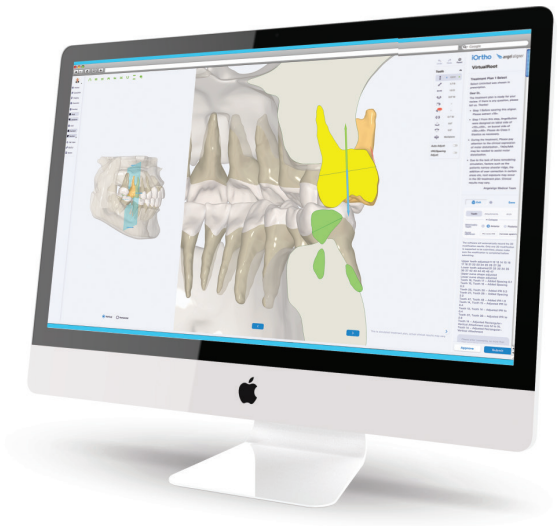


Software Solutions

angel aligner™

iOrtho™

iOrtho is a secure cloud-based service platform housing patient management data for Angel Aligner treatments.The treatment planning software has user-friendly 3D controls allowing doctors to personalized and review Angel Aligner case designs. iOrtho is an open platform with a growing number of IOS integration.



ICS Intelligent Ceph System

Virtual Roots

IRS Intelligent Root System

Tooth Progress Analysis

Make it™

iOrtho™ App

iSmile Maker

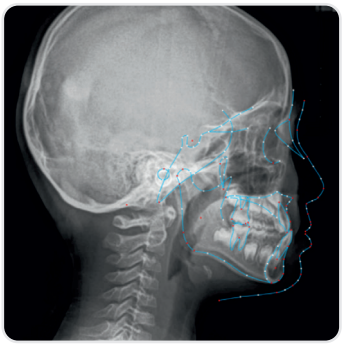
myAngelSmile app

Software Solutions

ICS Intelligent Ceph System

Intelligent Cephalometric System (ICS)

Angel Aligner's Intelligent Ceph System is a cutting-edge application that offers cephalometric measurement and analysis through automatic landmark location, significantly streamlining case diagnosis and treatment planning.



Tracing



Superimposition



Skeletal age analysis



Visual treatment objective

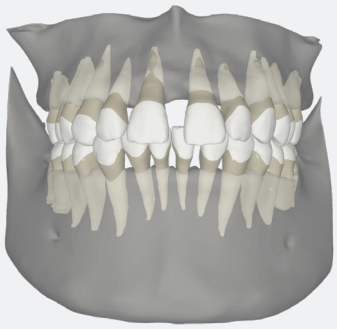
Powered by Angel's propietary intelligent data network and multi-modal biodata engine **ME (MasterEngine)**.

IRS Intelligent Root System

Intelligent Root System

Angel Aligner's **Intelligent Root System (IRS)** is designed to bring the next level of **precision and personalization** to aligner treatments. Powered by Angel's proprietary intelligent data platform and multi-modal biodata engine **ME (MasterEngine)**, IRS can identify and replicate **CBCT-derived root and jaw data**.

With advanced **data analysis and visualisation tools**, including detailed root and crown data, IRS supports more accurate tooth movement planning and allows root positions to be digitally adjusted.





Real crown and root data analysis

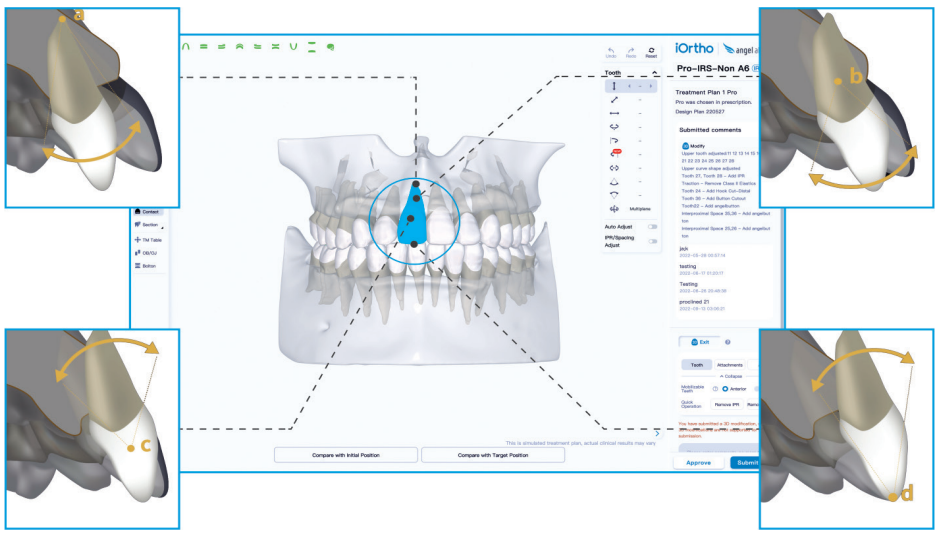
Provide complete crown and root data for accurate analysis of tooth movement.



Real design modification

Crown movement without root apex movement, controlled tipping movement of crown

Opposite movement of crown and root, with crown movement greater than root, purely tipping movement



Opposite movement of crown and root, with root movement greater than crown

Root movement without incisal crown movement, controlling root movement

Virtual Roots

Virtual Roots 2.0

In addition to the Intelligent Root System (IRS) with CBCT integration, Angel Aligner's iOrtho platform offers Virtual Roots 2.0—an advanced solution ideal for cases where CBCT is not feasible. Generated from panoramic X-rays using a patent pending algorithm, Virtual Roots 2.0 provide enhanced root visualization that supports treatment planning without additional scans or radiation. With three root representation options—library-based, virtual from X-ray, and true CBCT—iOrtho enables clinicians to tailor diagnostics to each case with confidence, integrating into your digital workflow.



Root Visualization in iOrtho™

iOrtho offers a root visualization option that fits your workflow.

Virtual Roots Library:

- Uses a standardized library model aligned with the crown anatomy.
- Ideal for quick visualization and general movement evaluation.

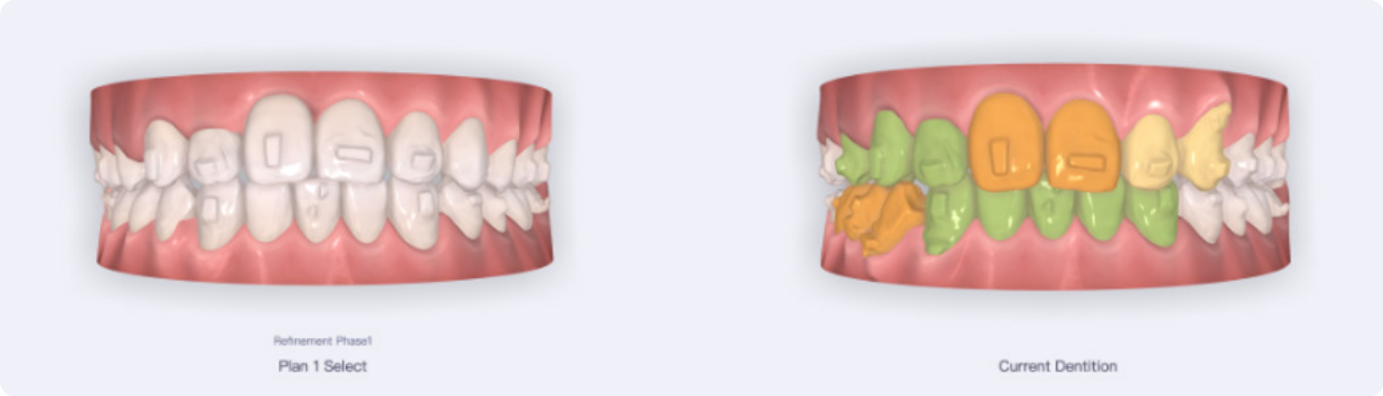
Virtual Roots 2.0 from Panoramic X-rays:

- Generates patient-specific virtual roots using standard panoramic X-rays.
- Without the need for additional scans or radiation exposure.
- Provides enhanced accuracy over traditional root libraries.

CBCT Integration:

- Incorporates CBCT data for the most precise root representation.
- Enables comprehensive 3D treatment planning with unmatched accuracy.

Tooth Progress Analysis



Tooth progress assessment tool

Objective Monitoring at Every Stage:

- Upload intraoral scans (STL files) taken at any point during treatment and compare them to the planned tooth positions.

Track Progress with Confidence:

- Evaluate treatment outcomes against the original plan to detect deviations early, enhance clinical decisions, and minimize the need for refinements.

Optimized Checkup Appointments:

- Take the guesswork out of aligner monitoring by systematically assessing tooth tracking with digital precision and consistency.

Strengthen Communication and Compliance:

- Show patients clear visual comparisons to reinforce treatment adherence and build trust.

Software Solutions

Make it™

3D orthodontic outcome simulation



Intellligent digital orthodontic system - Instant smiles

The Make it™ feature of the iOrtho system is developed based on the massive orthodontic database of Angel Aligner, which quickly presents simulated orthodontic treatment results, making the doctor-patient communication more intuitive and efficient.

iSmile Maker



Say Hello to iSmile Maker

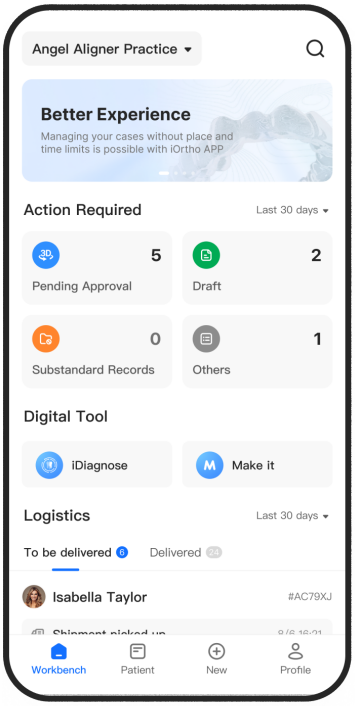
An advanced smile simulation tool that instantly transforms selfies by simulating a new smile.

iOrtho™

iOrtho™ mobile application

- Seamlessly manage your practice anywhere
- Simplify your workflow
- Create aligner and retainer cases.
- Capture and upload patient photos.
- Submit prescriptions.
- Review and approve treatment plans on the go.



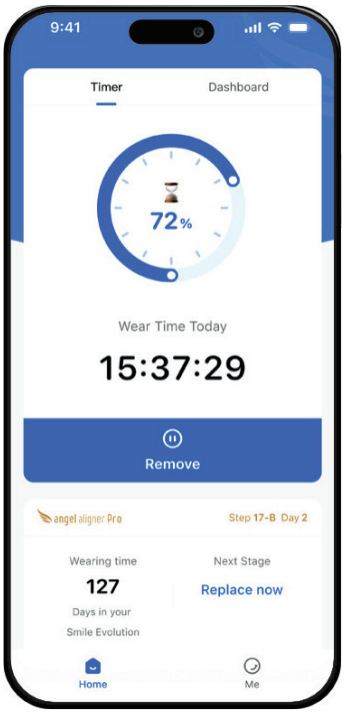


myAngelSmile

Aligner wear tracking application

- Patient to record the duration of wearing aligners per day at each stage.
- Patient reminder to put back aligners.
- Aligner change reminder.





Packaging



Practice Communication Tools



Packaging

Our packaging features a premium-quality finish, crafted to reflect excellence and sophistication.



Newsletter

The newsletter is sent out quarterly and keeps you updated on new product features, upcoming events, and exciting news.



In Practice Materials

Flyers, Totems and Posters are available to provide information about Angel aligner treatments in your practice.



Social Media

Engage with our social media content and get inspired by our exclusive events.



Website & Blog

Find all our product ranges, software, innovations, upcoming events and our speakers on our website: **angelaligner.com**. A patient website is also available.



Webshop

Our webshop is a comprehensive resource designed to help your practice elevate its visibility, strengthen patient trust, and confidently promote Angel Aligner.

Get in touch!

LinkedIn

Instagram

Website

Webshop

Register to
our newsletter

Newsletter

Download the Angel Education app to keep being updated about our upcoming events

GET IT ON Google Play

Download on the App Store

Notes

angel aligner™

angel aligner™

Join the Smile Evolution

info@angelaligner.com

www.angelaligner.com

Angel Aligner aligners are Class II patient-matched medical devices (CE Certificate No.: G15 125090 0002 Rev. 00, ISO Certificate No.: Q5 125090 0001 Rev. 00) for dental care reserved for healthcare professionals, indicated for tooth movement as part of orthodontic treatment. The certificate holder is Shanghai EA Medical Instruments Co., Ltd. Manufactured by Wuxi EA Bio-Tech Co., Ltd or Wuxi EA Medical Instruments Technologies Limited. Not reimbursed by social security.

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