TT Aligner



Product Manual

Founder Peter Long: Returning to the essence of medical



With the rapid development of oral digitization, IMD has been paying high attention to the development of the orthodontic industry and striving to solve the clinical problems of dentists..

Although the invisible orthodontic market has been active in recent years, there are very few brands that can really solve clinical problems for dentists.Most brands solve the problem of teeth arrangement mechanically, ignoring the real needs of dentists and patients, so as to bring safety hazards to orthodontic treatment.There are a large number of cases that cannot be ended or cannot reach the level of clinical treatment standards.

In the face of these medical problems, IMD relies on industry orthodontic resources, carefully listens to the advice of many top orthodontic doctors in the world, and establishes seven orthodontic teams in China since 2015.Ensure that the treatment plan for each case comes from a professional team of orthodontists.

In the future, TT Aligner will continue to increase the research and development of digital-related products to help doctors achieve new breakthroughs in diagnosis and treatment methods and models.

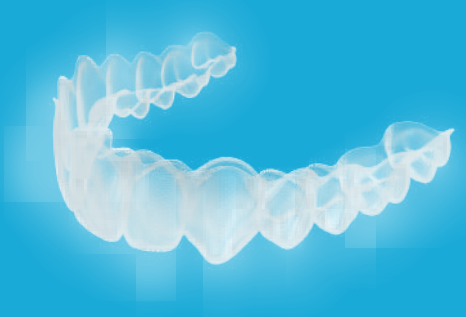
Dr. Peter Long
Founder of IMD

TT Aligner

Since 2015

Product introduction

In 2015, iFace Smile Technology, a subsidiary of IMD, developed invisible orthodontic treatment with well-known orthodontic colleges in China. In 2020, TT Aligner invisible orthodontic treatment officially launched.IMD has a massive case database that has accumulated over 18 years. We are confident in the efficient and precise movement of the teeth. “Innovation” is the core of iFace Smile Technology. TT Aligner combines genetics, biology, clinical and other technologies to greatly improve the efficiency and wearing experience of TT Aligner. iFace has grown into a well-known high-tech enterprise in China.



HISTORY

FUTURE

2021
KEEPING R&D

2020.10
NEW PRODUCT LAUNCH

2019.01
SMARTER & STRONGER

2018.12
OBTAIN MEDICAL DEVICE PRODUCTION LICENSE

2018.11
OBTAINED THE MEDICAL DEVICE PRODUCTION REGISTRATION CERTIFICATE

2018.09
3D PRINTING TO PRODUCE ALIGNERS

2016.02
FACTORY COMPLETED

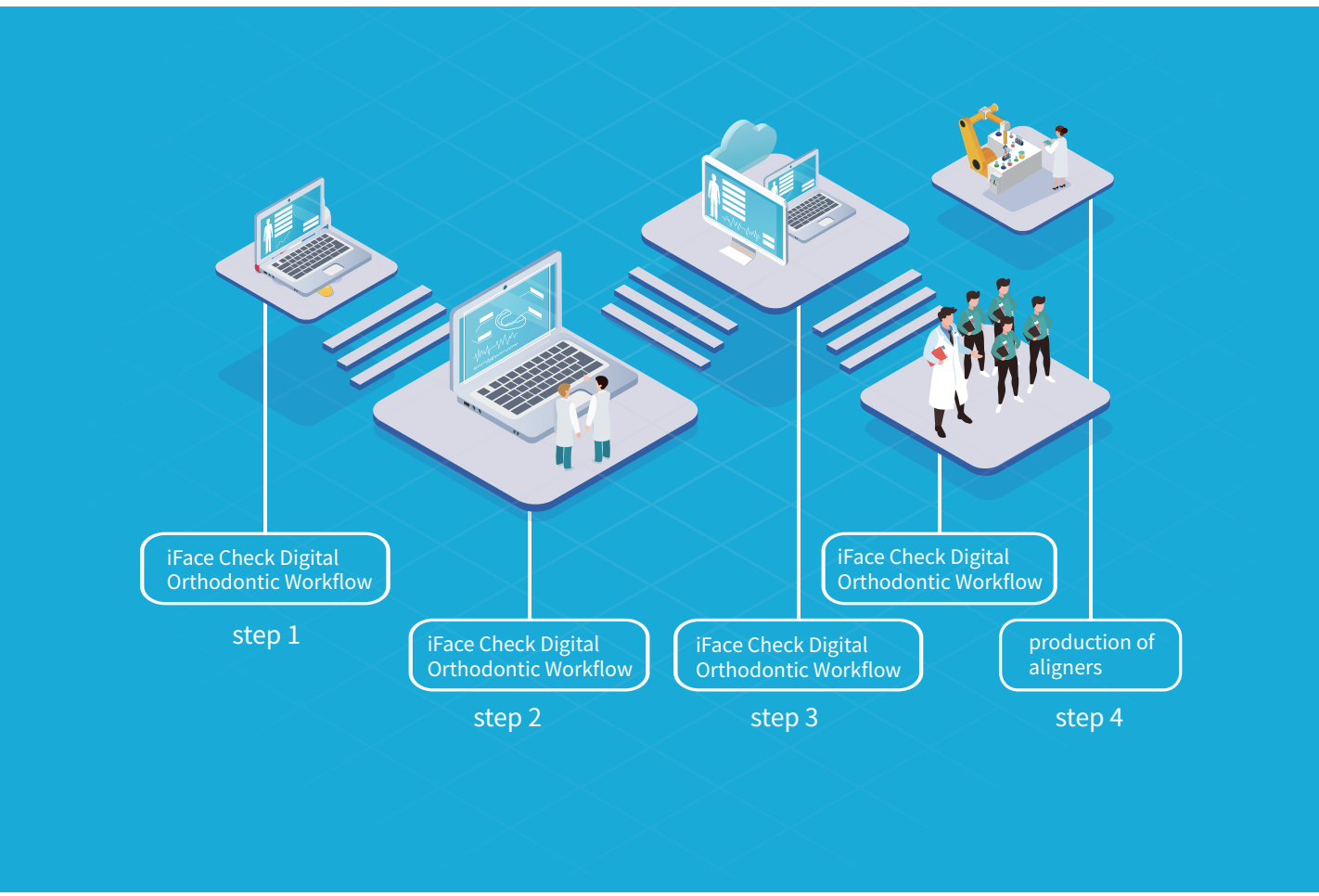
2015-2017
HUNDREDS OF PATENTS AND WORKS

2015.09
APP VERSION 1.0

2015.06
ESTABLISHED R&D TEAM IN SHANGHAI

2015.05
STRATEGIC LAYOUT

iFace Check Digital Orthodontic Workflow



iFaceCheck is TT Aligner treatment program viewing and auditing software. Using 3D technology to simulate the treatment process and plan.

Create and View Patient Information

3D simulation display of orthodontic treatment plan

Scheme review

Modifications and Guidance



Can be used in PC, Web and Mobile

Six services：Massive international case data

18 years of experience in the orthodontic industry

More than 500 world-re-nowned orthodontic experts

Massive orthodontic case database

Massive orthodontic case databaseHelping you like an experienced dentist

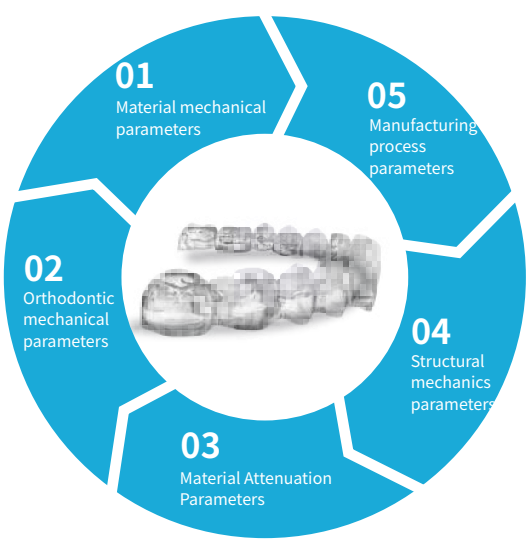
quick diagnosis

Improve design accuracy

Reduce the probability of restart

Six Services : Accurate and concise treatment

Optimal tooth movement distribution using five mechanical parameters, suitable treatment force and torque， Reasonable anchorage design，Precise Aligner replacement pace，Accurate translation of clinical rules and computer language for helping doctors achieve more precise orthodontic tooth movement.



Six Services:Incorporate RW&O3 treatment concept

In the design of TT Aligner treatment plan, we paid more attention to patient's joint and occlusion health.

The human oral muscle and joint system is constantly adjusting and changing. The various components are interrelated and affect each other, affecting both the craniomaxillofacial and other parts of the body. When you design your treatment plan, think about the patient as a whole. Don't just focus on simple tooth movements

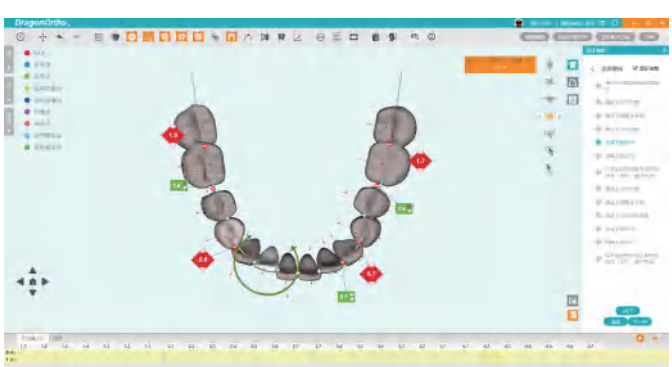
01 Maxillofacial health

02 Periodontal health

03 Aesthetics of the teeth and face

04 Stabilization of occlusal

Six Services:Auxiliary tooth arrangement based on cephalometric measurement





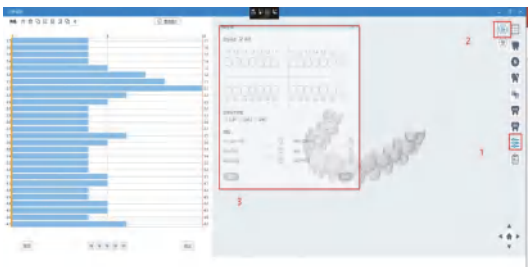
Returning to the medical essence of orthodontics, integrating expert ideas and experience.

Diagnosis plays an important role in orthodontic treatment. The tooth arrangement method based on cephalometric measurement provides accurate data and a fast method for the design scheme.

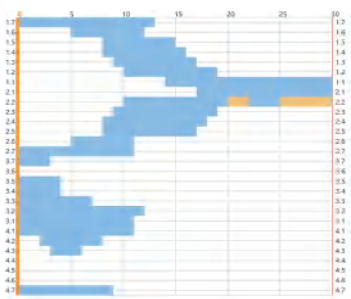
Standardized parameters improve the communication efficiency between doctors and our design team.

Six Services:Adjustable step-by-step to provide personalized treatment plan

"Navigational" orthodontic treatment, which can review whether the planned navigational route (the path of tooth movement) is feasible



Adjustable step mode per stage. It can be used to customize the optimal path scheme, and then take effective auxiliary measures.



Six Services:Professional doctor team

One expert and senior technicians for you.

Diagnosis stage

Efficiently and quickly complete case diagnosis

Design stage

Expert orthodontic plan design team

Treatment stage

Cause analysis and fix of treatment errors

Special cases

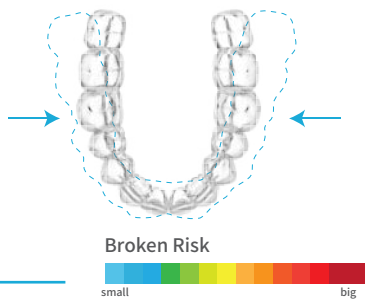
The world's top orthodontic experts help specialize in difficult cases.

Next Generation Materials--High strength and

2 Double fatigue resistance

The new generation of material has a strong and tough molecular chain structure, with a 45% increase inresilience, high strength and wear resistance.

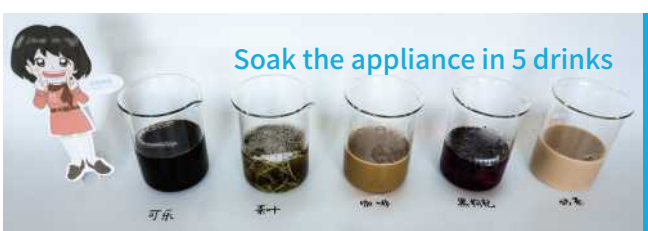




7 times anti-staining performance

The new material has strong anti-staining properties.

Even in oral environment for a long time, it can maintain stable performance.
In simulate oral environments of patients, TT is soaked in coffee, tea, cola, black wolfberry, and milk tea for 24 hours, and no changes in its color.

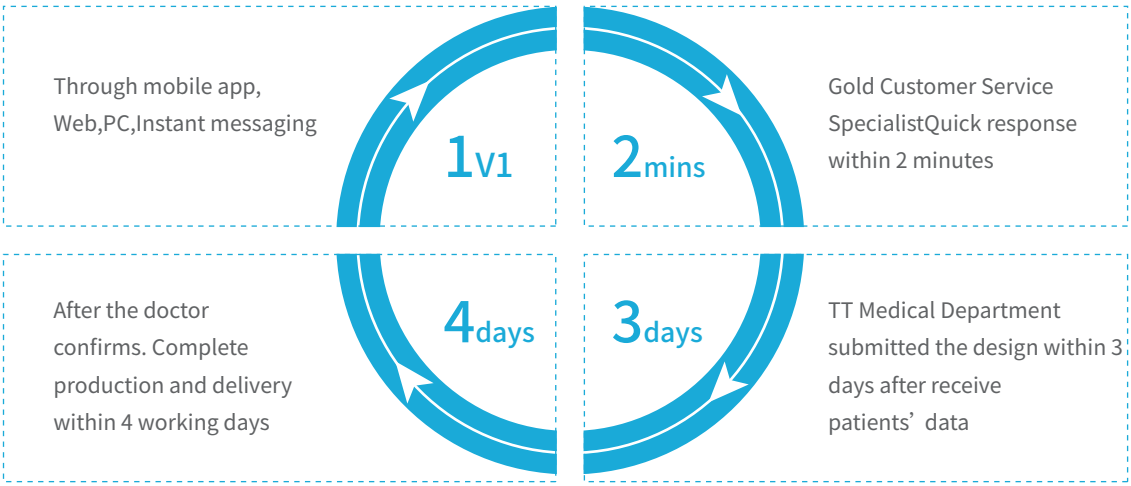






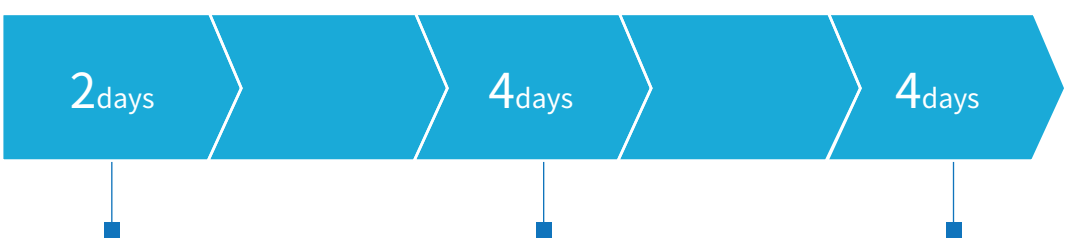
The experimental data is sourced at the TT Aligner R&D

360° Full Service



From diagnosis to wear Just 10 days

Visualize treatment plans to improve patient experience



Create Patient Case
Submit Teeth Model

Segmentation
Parameterization
Diagnosis Design

Print
Produce

User experience Reshape your delicate smile



View treatment plan

Patients can view plan customized for themselves through the links shared by doctors.

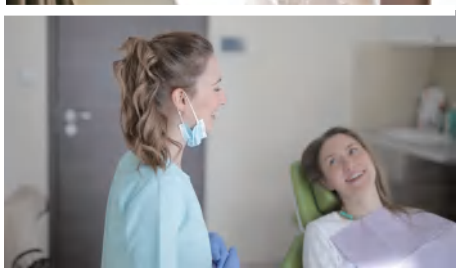
Esthetics

Imported materials are not easy to be discovered by others, and do not affect work and social interaction.



Convenience

Re-visit once every 8-10 weeks, saving time.

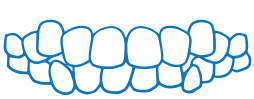


Clean

Easy to take off and put on, which is good for daily cleaning of teeth.

TT appliance indications

Crowding



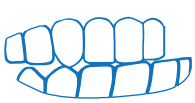
tooth misalignment

Open bite



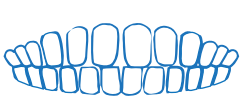
front teeth not touching

Crossbite



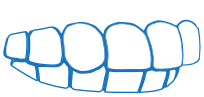
Lower teeth bite outside of upper teeth

Excessive Spacing



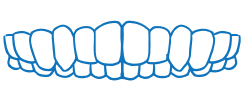
Too much space between teeth

Protrusion



mouth protruding

Overjet



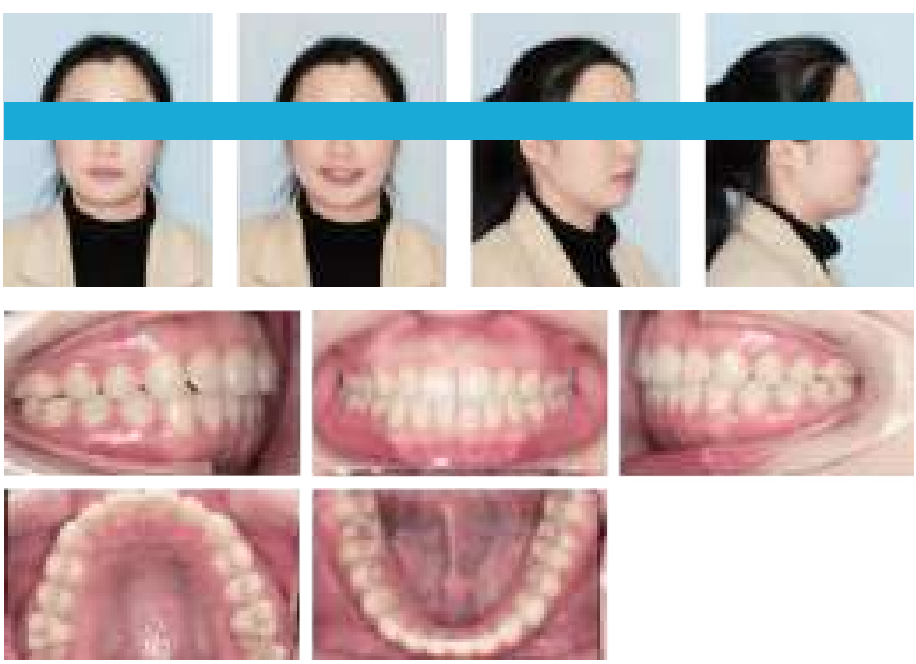
upper teeth cover lower teeth

Case 1

Before treatment

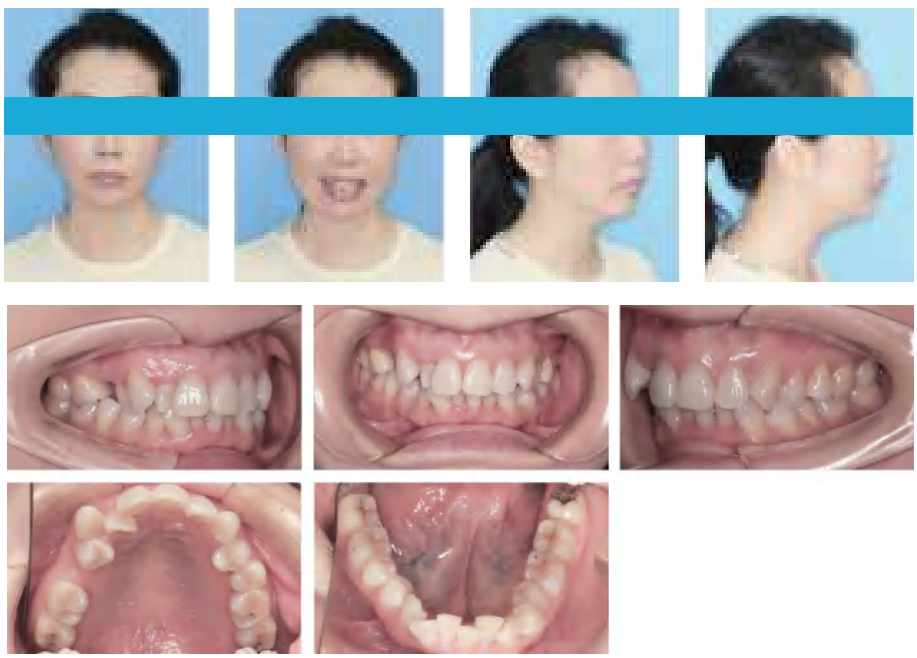


After treatment



Case 2

Before treatment



After treatment



iFace Academy Services Improve your confidence in orthodontics

Systematic courses, face-to-face communication with global experts, improve the efficiency of your clinical practice







Basic Class

General practitioners who have no orthodontic foundation and hope to successfully carry out invisible orthodontics.

Middle Class

Dentists who have a certain foundation and hope to further improve.

High Class

Have good experience in fixed orthodontics, hope to understand the characteristics of invisible orthodontics and master invisible aligners

TT Aligner



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