TT Aligner

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TT Aligner



TT Aligner

Doctor's Guide

TT Aligner Doctor’ s Manual

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iFaceCheck

TT Aligner, jointly developed by iFaceSmile, a subsidiary of IMD Medical and Chinese well-known orthodontic colleges , is an open and flexible clear braces solution, which allows you to get predictable, consistent and high-quality results to satisfy your patients' desire for a healthy and beautiful smile.

iFaceCheck software is vital to iFaceSmile Digital Orthodontic Solution applied on TT Aligner.
It help orthodontists to digitize dental models, to diahnose the patient case, to design treatment plan, and to produce Aligner at chairside.

It provides a lot of tools to help orthodontists formulate orthodontic treatment plans which involve their professional direction and experience of treatment and ensure the effectiveness of plans.



STEP 01

Download and Install iFaceCheck Software

Two Versions of iFaceCheck: PC Version and Web Version

iFaceCheck PC

Visit the following address:
http://www.ifacesmile.com/download
to download the software.



iFaceChek Web

Visit the following address:
http://www.ifacesmile.com/

Enter the TT Aligner Doctor Zone



STEP 02

Sign Up Doctor Account

Two methods to sign up accout

Call to sign up

Call the number 400-8218-945 and the assistant will help you sign up account



Sign up online

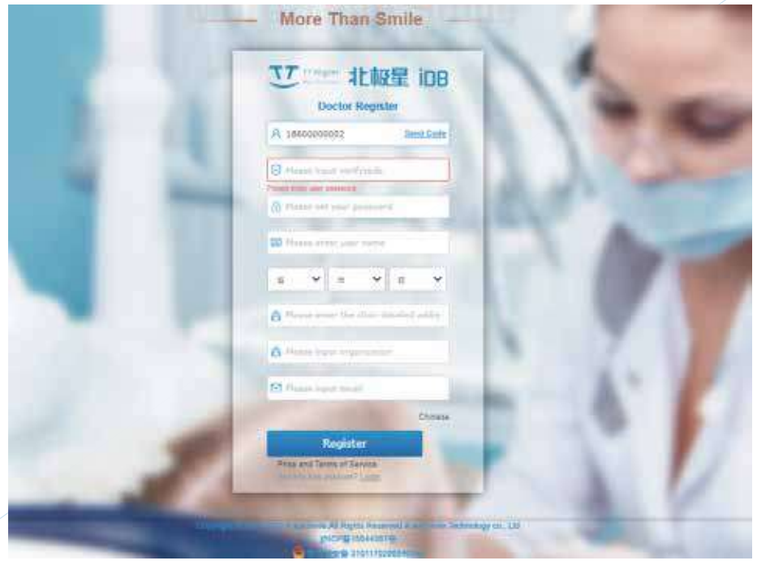
Enter the TT Aligner Doctor Zone

Click register;

Enter your phone number and get the verification code;

Fill out your personal information;

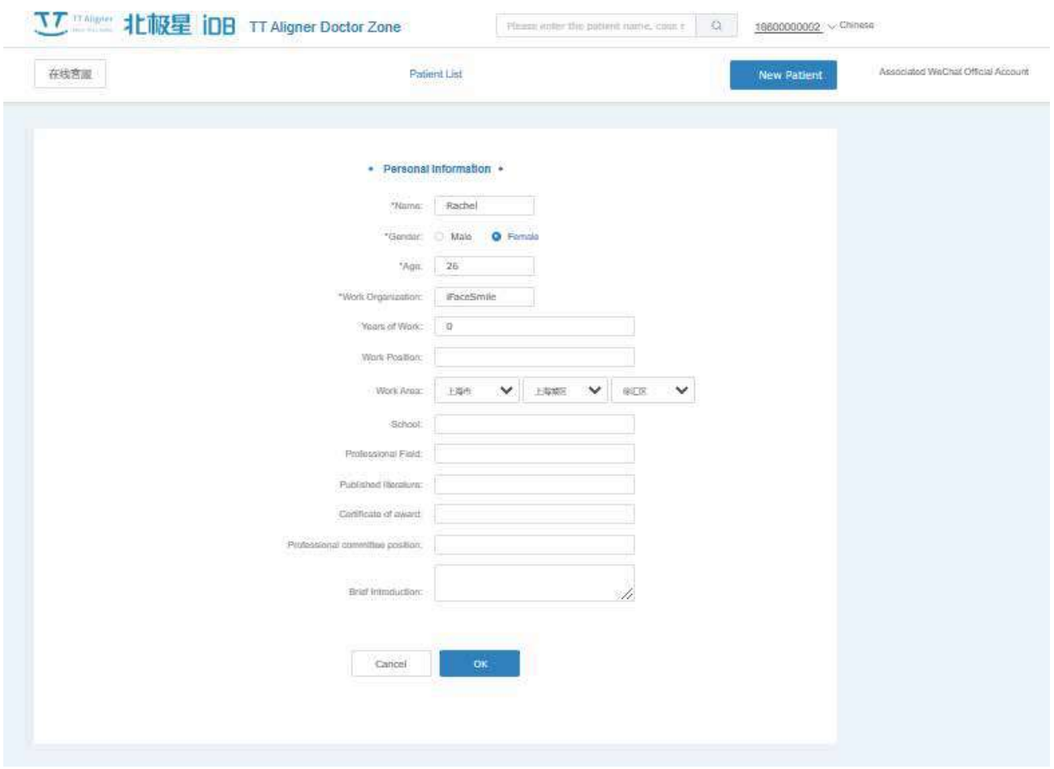
Send your information and wait for approval



STEP 03

Fill in Personal Details

Complete your personal information at the Personal Info Page of the website



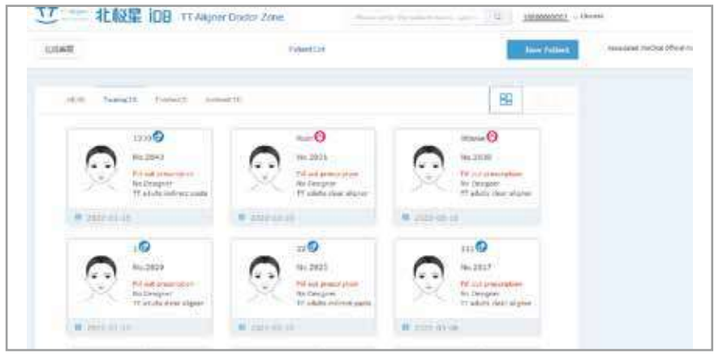
STEP 04

Create Case

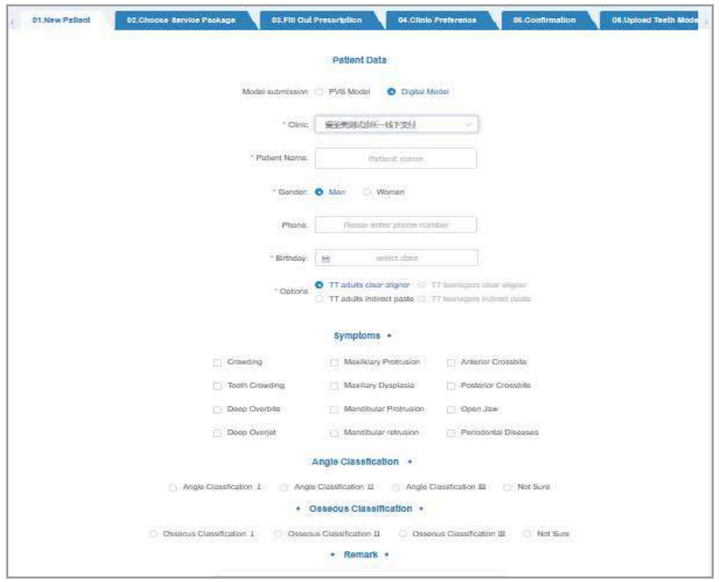
Create new case in the TT Aligner Doctor Zone

- TT Aligner Doctor Zone

Enter the Doctor Zone and click New Patients;



Fill in the patient's basic information, malocclusion type, Angle's classification and skeletal classification;



Click Next, you will be noticed that the case creation is successful and get the case number

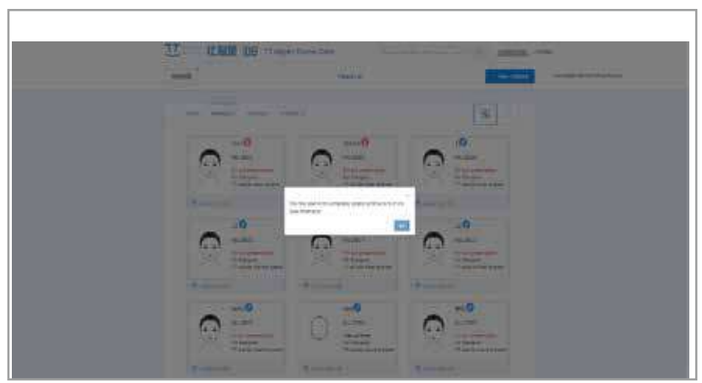


STEP 04

Fill out Prescription Form

● TT Aligner Doctor Zone

After creating the case click Fill Out Prescription;



Choose the Chief Complaint;



STEP 05

Fill out Prescription Form

● TT Aligner Doctor Zone

Choose the Treatment Objective;



Choose the Treatment Objective;



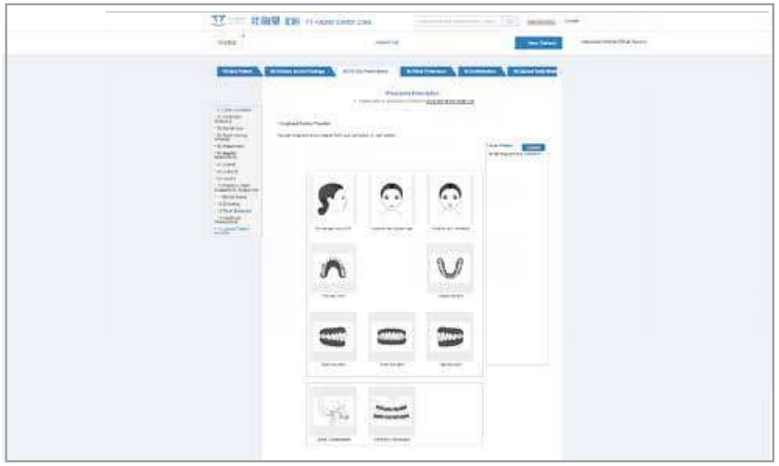
STEP 05

Fill out Prescription Form

Upload patients' facial photos, intraoral photos and X-rays;

TT医生专区

填写要治疗的牙弓、牙齿移动限制、
附件、拥挤等信息的处方表。
这些信息被用于设计矫治方案。





Complete and click Submit

STEP 05

Fill out Prescription Form

Preparation

Digital camera (with macro mode)
Ring flash
Reflector
spat hook
side hook
lip plate

Facial photo tips

1. A solid color background is required when taking facial photos

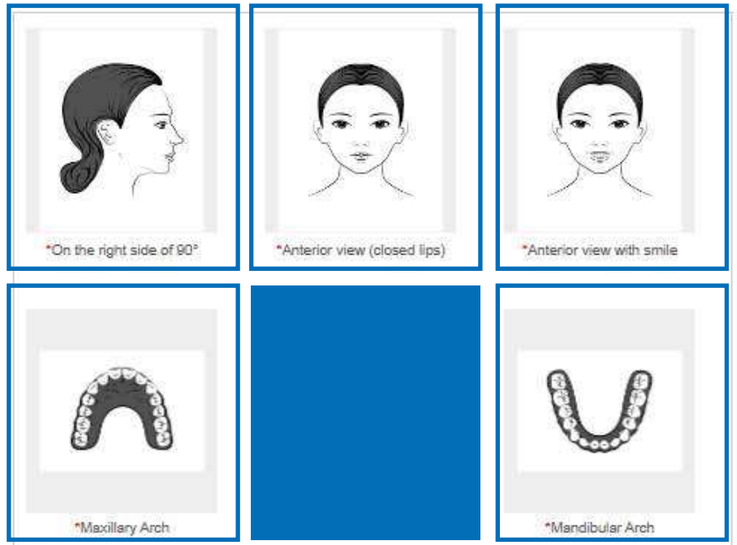
2. The patient needs to be occluded in the maximum cusp staggered position during the shooting

Intraoral photo tips

1. Use the corner retractor and side retractor to expand the field of view to the full dentition

2. Use manual mode (M) when shooting

3. In order to avoid fog on the reflector when shooting, you can soak the reflector in warm water in advance





STEP 05

Fill out Prescription Form

- Upload X-Rays

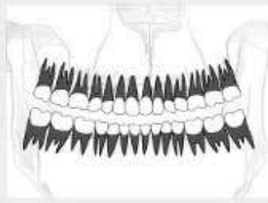
Lateral Cephalometric Radiographs



Panoramic Radiographs



*Lateral Cephaloagram

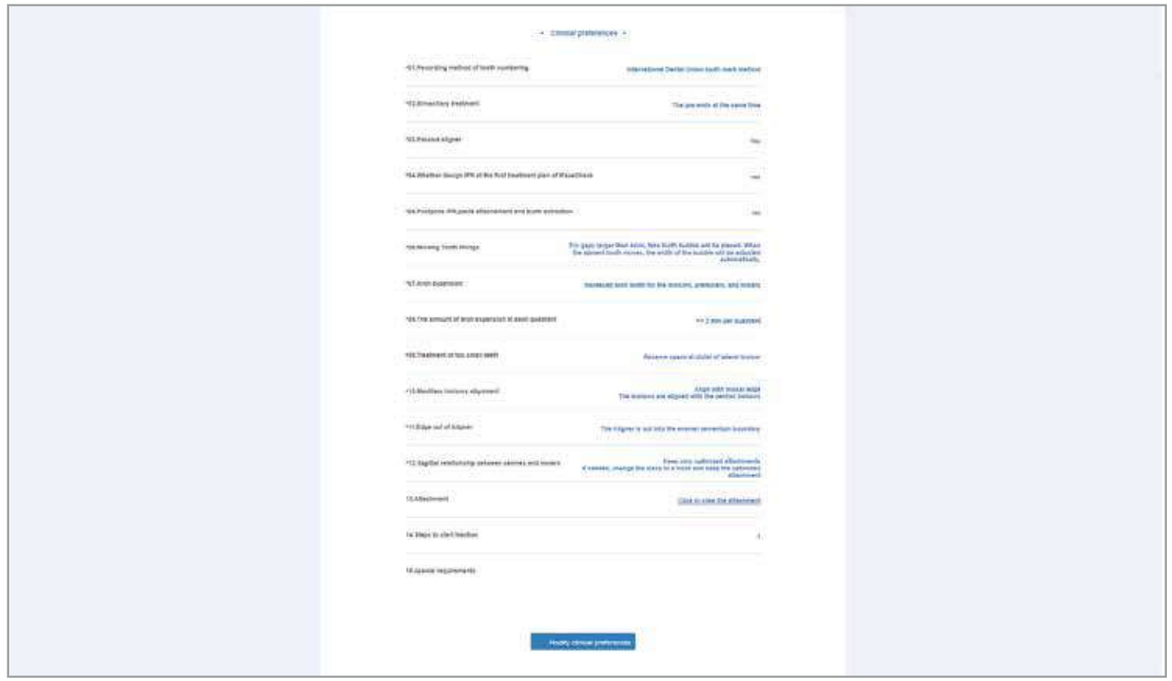


*Panoramic Radiograph

STEP 06

Clinical Preferences

- Fill out clinical preferences



STEP 06

Confirmation

Confirm the case information

- Complete the case creation in the Doctor Zone;

Download iFaceSmile DragonOrtho;



Price and terms of service after case creation



STEP 07

Upload Teeth Model

Mail silicone impression or plaster cast or upload the oral scan digital model in STL and other formats



Silicone Impression



Oral Scan Digital Model



Upload Digital Model

Check Mailing Address



STEP 07

Modulo Standard

Modulo Standards

1.Requires secondary impression addition polymerization silicone rubber impression

2.Use TT impression tray

3.Use non-latex gloves when taking impressions

4.Silicone rubber impressions must meet the following conditions: no air bubbles, no missing, no offset, no unclear lines



Modulo Steps

1.Take appropriate proportion of weight and catalyst

2.Mix together evenly

3.Place well-mixed weight body in strip style in the tray and apply isolation film

4.Rotate it into the patient's mouth for preparation, instruct the patient to clench the upper and lower jaws tightly, and take it out after the weight is solidified
5.Remove the separator and inject the mixed light body with a syringe

6.Rotate it into the patient's mouth and produce



STEP 08

Check Final Position



After receiving the silicone rubber impression or the digital 3D scan model from the doctor, iFaceSmile will carry out the final position according to the prescription form submitted by the doctor.

The final position design needs to be reviewed and approved by the doctor before proceeding to the next step.

STEP 08

Check Final Position

iFaceCheck PC

Open iFaceCheck PC Version;

Log on with Doctor's Account;

Click "Review Final Position" to reject or approve the final position;

If revisions are required, doctors can provide comments and submit





iFaceCheck Web

Log in to the TT Aligner Doctor Zone, select a case, enter the case information page;

Click "Please review the final position" to approve or reject the final position design



STEP 08

Review Treatment Plan

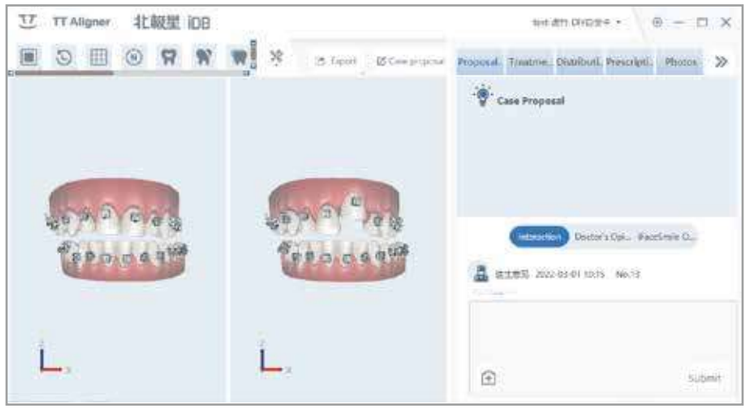


iFaceCheck PC

Open iFaceCheck PC Version;

Log on with Doctor's Account;

Click "Review Final Position" to reject or approve the final position;
If revisions are required, doctors can provide comments and submit

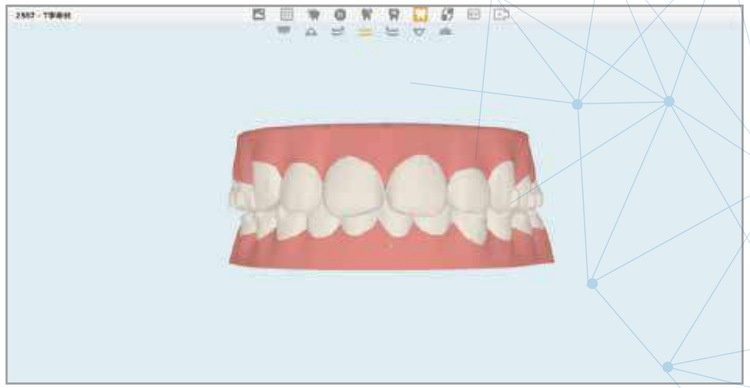


iFaceCheck Web

Log in to the TT Aligner Doctor Zone, select a case, enter the case information page;

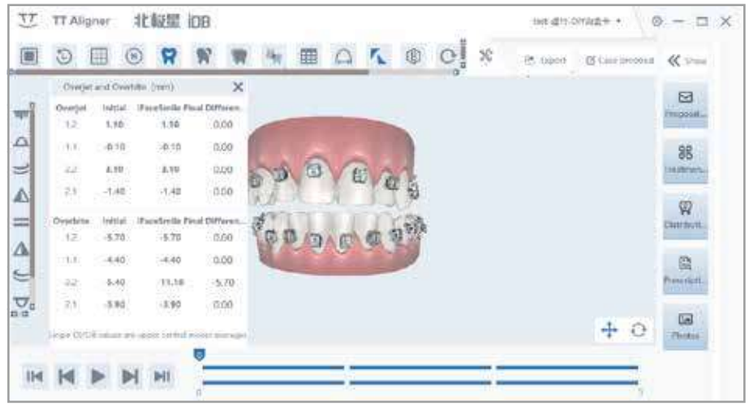
Click "Please review the final position" to approve or reject the final position design





Steps

1. Check the final position
2. Check the animation initial position
3. Check the animation final position
4. Play animation
5. View slices and steps
6. Observe the direction and angle of tooth movement
7. Check the accessory design



Review Treatment Plans

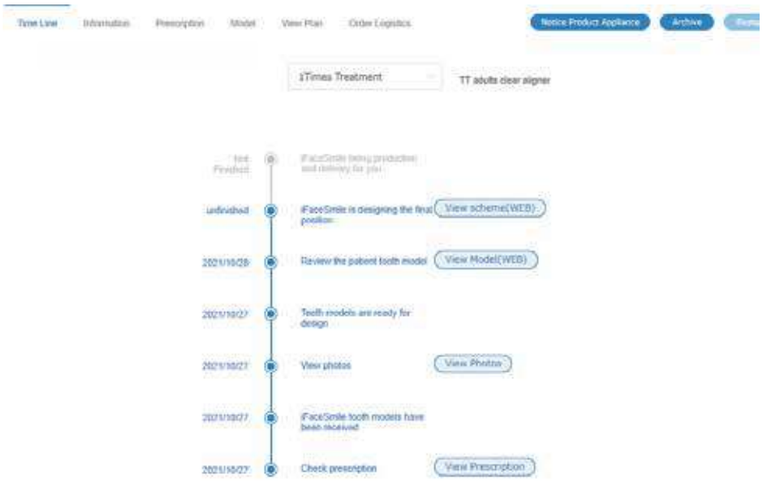
1. Whether the initial midline and occlusion of the design animation are consistent with the actual
2. Are the upper and lower teeth aligned
3. Are you satisfied with the midline
5. Is the shape of the dental arch symmetrical
6. Whether the gaps are all closed and whether they meet expectations
7. Is the Spee curve satisfied
8. Is the relationship between the cusps satisfied
9. Is IPR consistent with treatment goals
10. Is the attachment location reasonable



STEP 10

Track the Case Process

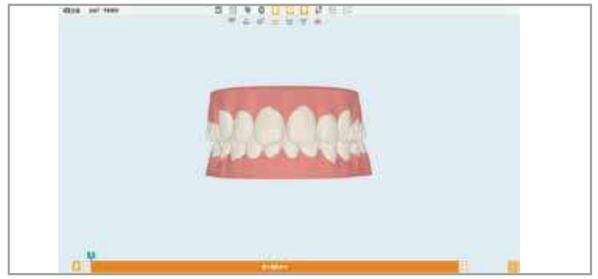
Timeline of the treatment can be viewed on the website



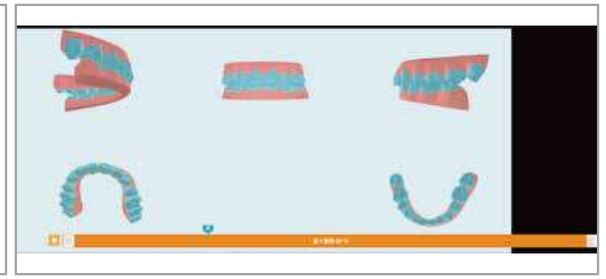
STEP 10

Basic Functions of iFaceCheck Web Version

Function menu



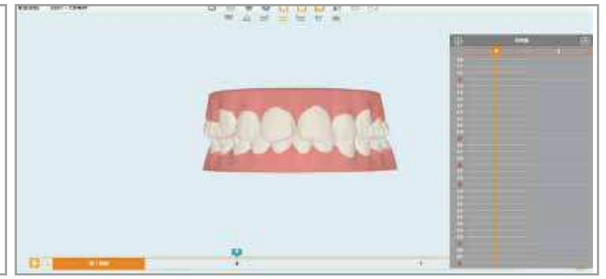
Complex window



Playback



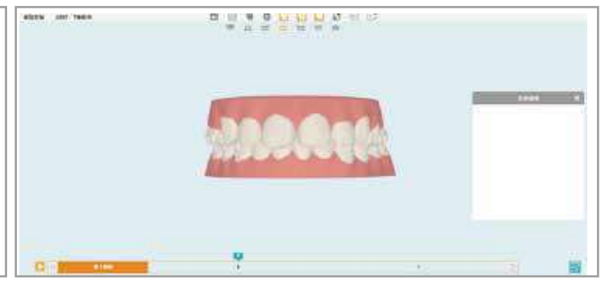
Distribution Table



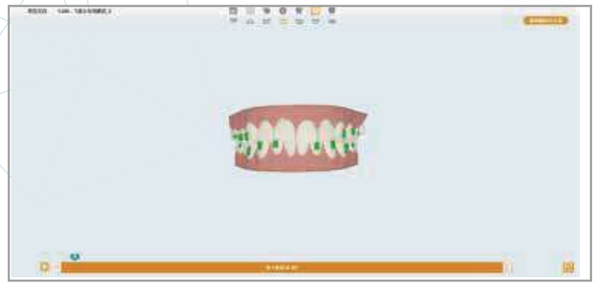
Move Table



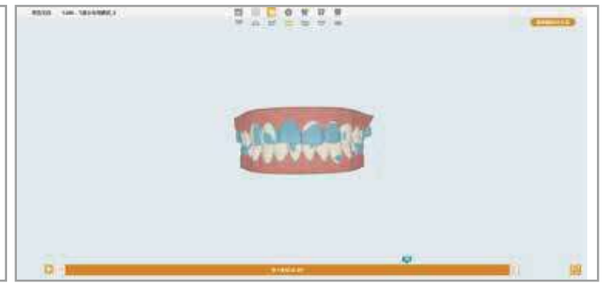
Proposal Comments



Supports



Contrast



基本功能

Basic Functions of iFaceCheck Web Version

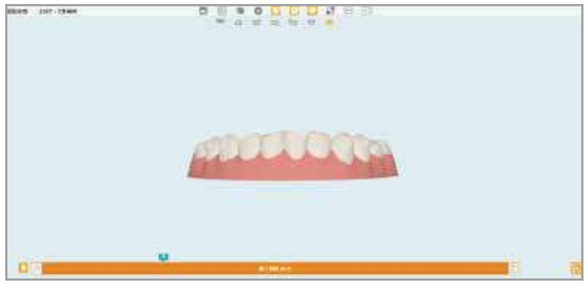
Grid



Maxillary view



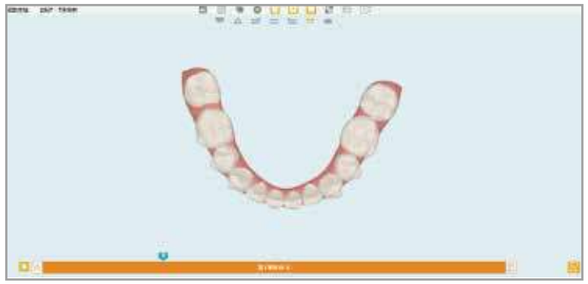
Mandible view



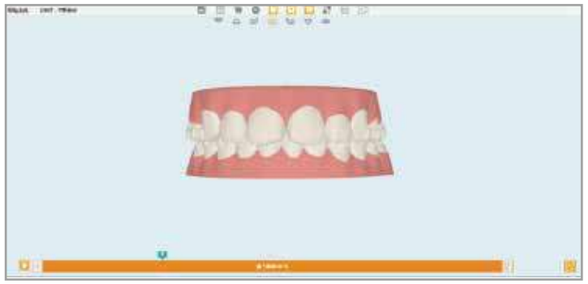
Maxillofical view



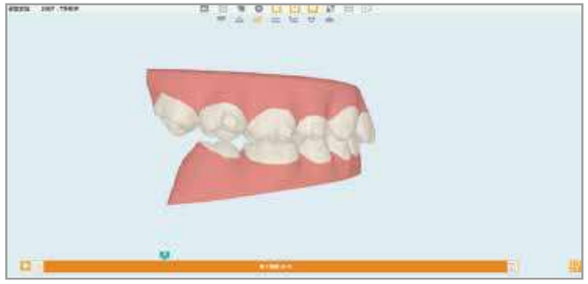
Mandibular view



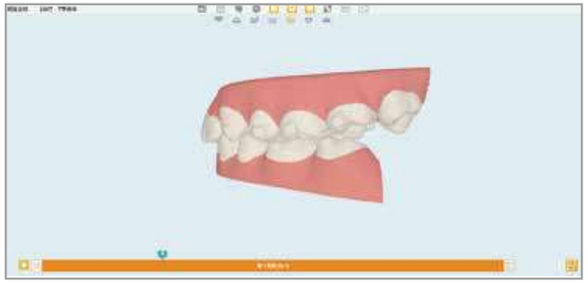
Front view



Right buccal view



Left buccal view



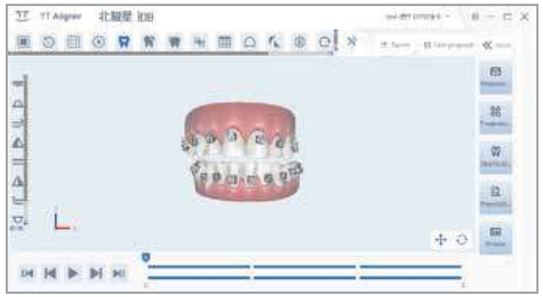
Accessibility

iFaceCheck PC Accessibility

Case List



Case Viewer



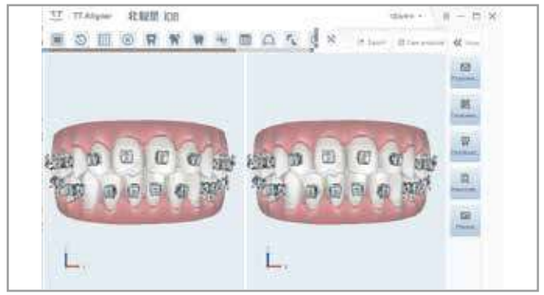
Photos



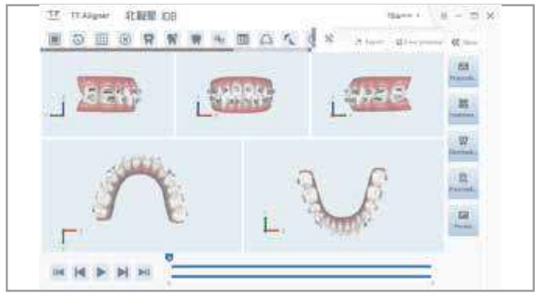
Custom Toolbar



View-First and Last Window

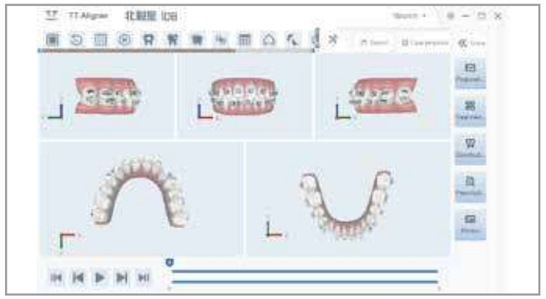


View-Complex Window

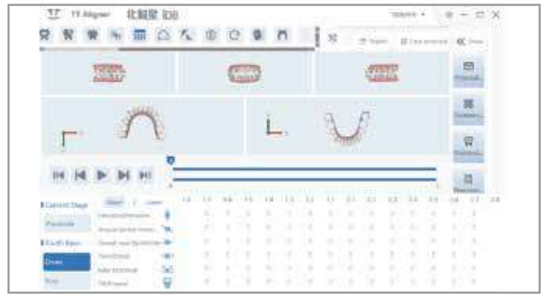


iFaceCheck PC Accessibility

Windows



Move table



Distribution Table



Prescription Sheet



Proposal Comments



Treatment Guidence



Material and instrument preparation

Prepare for accessories positioning template, acid etchant, light-curing composite resin, high-speed handpiece and bur, low-speed handpiece, polishing cup and polishing paste, etc.

What is Accessory

The traditional orthodontic appliance system is composed of components that generate orthodontic force (such as various orthodontic arch wires) and components that apply orthodontic force to the teeth (such as brackets, etc.).

Bracketless invisible orthodontic systems also follow this design pattern. The two parts, the invisible appliance and the attachment, act as the medium to apply the orthodontic force to the teeth.

How Do Accessories Work

Accessories are composite resin structures bonded to the labial or lingual surfaces of teeth to enhance the ability of invisible appliances to control the teeth:

- Assisted moving accessory: guides or assists in the re-positioning of the corresponding teeth
- Reinforced fixed accessory: provide a relatively fixed support point, so that the invisible appliance can be fully seated and play a corrective role; when the adjacent tooth is to be moved, the ability of the appliance to resist dislocation in this area is strengthened
- Assisted accessory: be directly placed on the target tooth, other teeth in the dental arch, or placed on the teeth of the contralateral dental arch in combination with other components (such as elastic traction rings)

Bonding Accessories

Material and instrument preparation

Prepare for accessories positioning template, acid etchant, light-curing composite resin, high-speed handpiece and bur, low-speed handpiece, polishing cup and polishing paste, etc.

How to make bonding accessories in a patient's mouth?
The whole process is similar to the filling of light-cured resin after caries removal and preparation.
The specific steps are as follows:



01
Try the model. Check whether the edges are snug



02
30% phosphoric acid treatment corresponding pressing surface for 30 seconds. Then rinse and dry the surface .



03
Apply adhesive. Light curing



04
Fill the model with fluid resin



05
Insert the accessory model. Light cure for 20 seconds



06
Use a small ball drill to trim and polish the edge of the accessory



07
Finally, put in the aligner and check whether it is tight

TIPS

① If there are many accessories designed on a pair of orthodontic appliances, it may be difficult to remove the straps after they are all made at one time. At this time, the template can be cut into several sections, and the operation can be performed step by step, and paste 1 to 3 accessories at the same time. Attention, each segment should include at least two teeth adjacent to the attachment teeth to pinpoint the location of the attachment.

② If the accessory comes off, use the previous or current appliance as a template to re-bond.

