

# China Orthodontic Lab

## Orthodontic Appliance





Located in ShenZhen,China Laboratory is a family owned and operated business that has been serving the needs of the dental profession for over 10 years. Our ceaseless commitment and dedication to our clients and your patients is shown through the quality of work we provide.

We pride ourselves being on the cutting edge of this industry as your full service digital orthodontic lab. we can recieve your digital files, print 3d models, and provide you with excellent customer service. We are the only one orthodontic lab in China who can provide you a full digital workflow.

China Laboratory is a full service orthodontic lab specializing in removable and fixed appliances. The lab also produces digital study models, mouth guards, sleep apnea appliances, functional appliances, the Herbst appliances, and many other custom designs. We offer a diverse and considerable choice of colors and designs for the appliances that are sure to please all age ranges.

Our skilled technicians are continuously trained to keep up with the demands of an advancing orthodontic world. Our team approach to each case ensures a healthy and favorable work environment. A mutual respect for the employees, clients and patients promotes integrity and excellence in our field.

We value our clients and strive to produce what is expected. We have built a strong reputation you can trust and depend on time and time again.

# Our

# Service



## **Functional Appliances**

Schwartz

Sagittal(2-way)

Sagittal(3-way)

Nord(uni-lateral crossbite)

3-way expander

Fan Expander

Bionator

Orthopedic Corrector

Twin Block Standard

Twin Block(to open,1 screw)

Twin Block(to close,1 screw)

Frankel

Herbst banded

Herbst bonded

Transverse

Activator

Cetlin

## **Retainers**

Hawley Retainer(with 2 clasps)

Invisible Retainer

Wrap Around Retainer

## **Sleep Appliances**

Dorsal

EMA

TAP

Silencer

## **Fixed Appliances**

Space Maintainer(band&loop)

Space Regainer

Lingual Arch(with 2 bands)

Banded RPE

Bonded RPE

Distal Jet

E-arch Expander

W-arch Expander

Quad Helix

Fixed Schwartz(Williams)

Nance Appliance

TPA

Thumb Habit

Tongue Habit

Blue Grass Appliance

Pendex

Pendulum

T-Rex

Removable lip bumper

Haas

Hyrax

Band(fitted on tooth)

## **Splints**

Gelb

Soft Night Guard

Hard Night Guard

Talon(soft in/hard out)

Anterior Acrylic Splint

Athletic Mouth Guard

Bleaching Tray(per arch)

# Hawley Retainer

Hawley retainers are the original retainer design and are still quite popular today. Doctors like the design because it is easy to adjust and the labial bow wire is rather rigid. This keeps the patient from deforming it in the process of putting the retainer in and taking it out.

The labial bow can be flattened. The idea is more surface contact equals better retention. Acrylic can also be added for extra retention. The clinician can also choose the clasping design of their preference.



# Frankel

The Frankel (Functional Regulator) appliance is a system of oral screens that lie in the vestibule of the out. It is a removable orthodontic appliance used in the growing individual to effect the development of muscle, bone, and dentition simultaneously.

This appliance provides and promotes the interruption of abnormal function and facilitates the establishment of harmonious functional patterns. It also provides an environment in which inhibiting factors are removed and which dental harmony can be achieved.

The goal of Frankel treatment is facial balance.

There are four types of Frankel appliances:

Frankel I – treats Class I and Class II Division 1 malocclusions.

Frankel II – treats Class II Division 2 malocclusions.

Frankel III – treatment of Class III malocclusions.

Frankel IV – used for open bites and bimaxillary protrusions.



# 3Way Appliance

This appliance create space in a crowded arch by widening and lengthening the arch, it has a single screw device which can be opened in three different directions. The posterior sections can be opened individually to expand the arch in desired increments to the right and/or left, and the anterior section can be opened to lengthen the arch by driving the anteriors forward.



# Sport Guard

Sport guard come in various layers or levels depending upon what sport is being played and the necessary level of protection required.

**Level 1:** 3.0mm with one layer, designed specifically for children with mixed dentition.

**Level 2:** 3.0mm with two layers, perfect for wrestling, volleyball, mountain biking and motocross.

**Level 3:** 3.5mm with two soft and one hard layer, specially designed to provide maximum comfort and protection for all sports.

**Level 4:** 5.0mm with 2 layers, ideal for soccer, rugby, basketball, softball, rollerblading and skateboarding.

**Level 5:** 5.0mm with two layers and special power bands, designed for baseball, football, racquetball, martial arts and boxing.

**Level 6:** 5.0mm with 2 soft and one hard layer, fabricated for ice, field and street hockey along with kick-boxing & other heavy contact sports.

## Technical Notes:

Upper and lower models are needed, including a bite registration of 3 mm thickness at a rest position. To get the most accurate oral fit, an opposing model and bite is necessary. Without an opposing, the doctor may need to do adjustments and there will be no cuspid indentation

Ensure an accurate impression of all soft and hard tissue areas, especially the vestibule and peripheral areas. Capturing the vestibule areas is critical as this helps with proper retention and protection.

If a mouthguard is made for a patient with orthodontic brackets, the arch wire must be removed to allow for accurate impression or the brackets and wire can be blocked out prior to fabrication.

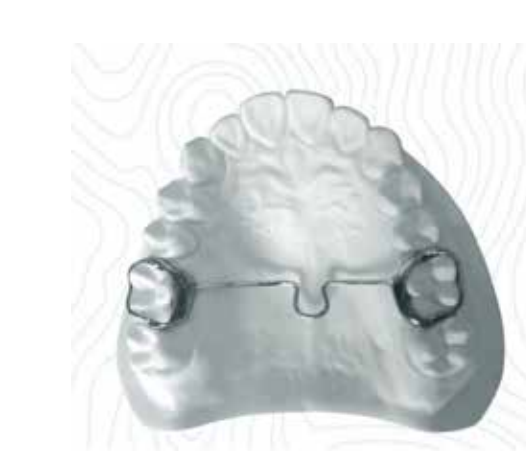
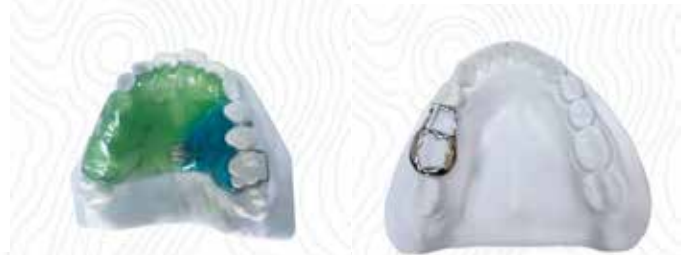












## Color Chart



## Decals



## Glitter





## How to process?



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