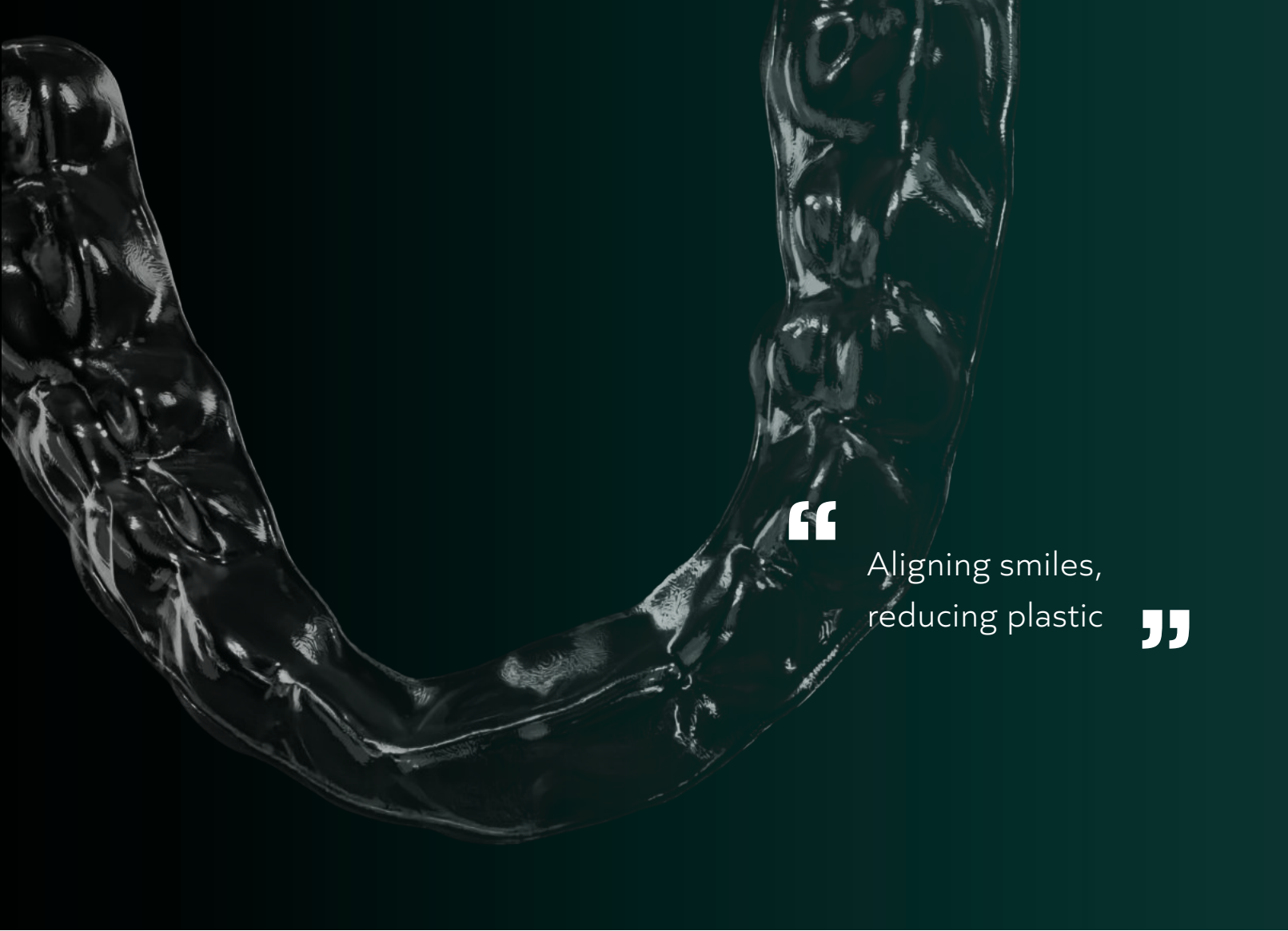


# CLEAR X

## FEATURES & ADVANTAGES

The new dimension for teeth straightening

Powered by  
**K Line Europe GmbH**



“

Aligning smiles,  
reducing plastic

”



## WHAT ARE CLEARX ALIGNERS?

ClearX aligners are a series of clear aligners manufactured using 4D technology. Based upon simple first principles of physics and mechanics, ClearX provides advantages on several multitudes whether for the practitioner, patient as well as our planet.

Our goal is to decrease plastic usage in the orthodontic field while leveraging the smartness of teeth straightening to extents that were not possible before. We are proud of all the work poured into this technology over recent years to bring a paradigm shift that is inevitable for the whole market to adopt in the coming years.

# HOW TO START AND BOOST YOUR ALIGNER



## STEP 1 DOWNLOAD THE APP

Scan the QR Code or search for **ClearX** in Google play store or Apple store to download the app.



ClearX app



INSTRUCTIONS  
video

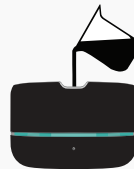
## STEP 2 IS IT YOUR BOOSTING DAY?

Connect the booster with ClearX app.

**Make sure to turn on bluetooth, location and notifications.**

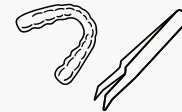


Pour water in the booster, then preheat the booster.



## STEP 3 BOOST THE ALIGNER

Put the aligner in the booster using the tweezers.



Activate the boosting.

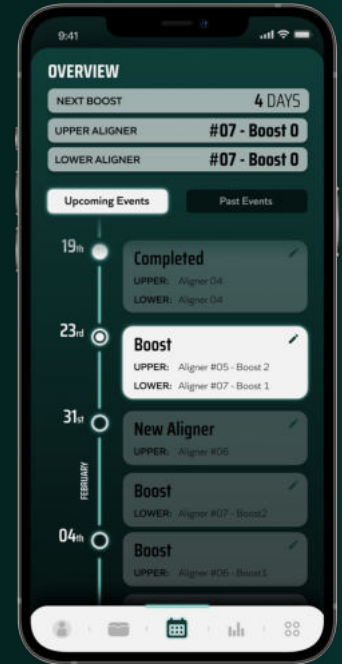
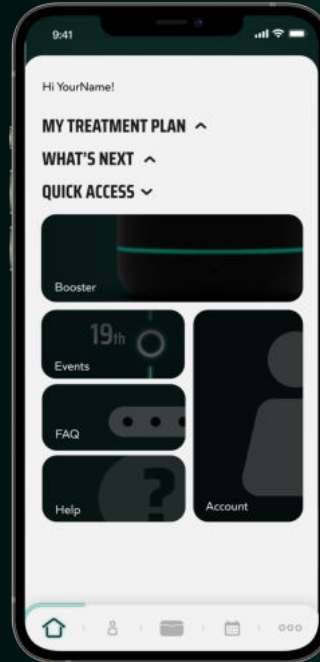
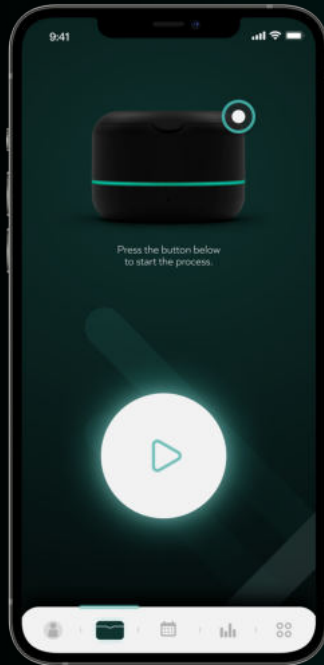
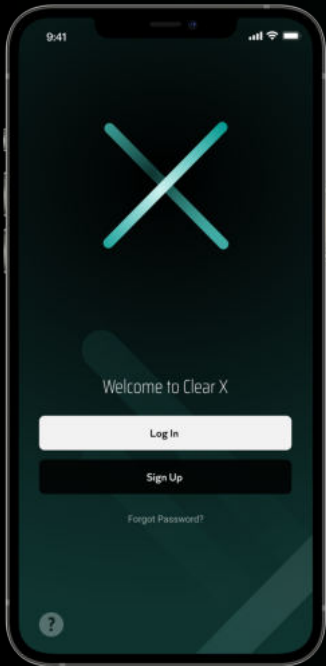
**BOOST**



# CLEARX MOBILE APP

For a seamless and well controlled treatment flow, the aligner booster is accessed easily and individually per patient.

The software guides the patient through the steps of aligner activation.



# CLASSICAL TO 4D TECH

System comparison for 12 months case treatment

## K CLEAR OTHER TRADITIONAL METHODS

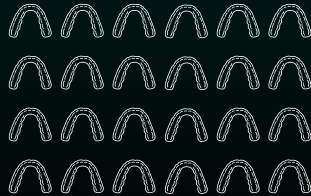
**24**

3d models  
(per arch)



**24**

Aligners  
(per arch)



Movement  
set-ups



Treatment time



## CLEARX 4D TECHNOLOGY

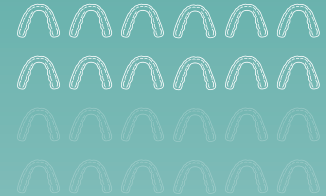
**13**

3d models  
(per arch)



**12**

Aligners  
(per arch)



Movement  
set-ups



Treatment time



# ADVANTAGES

of ClearX aligners over traditional aligner system



## ACCURACY

Each aligner acts as a retainer in the first week of wearing



## TIME EFFICIENT

Teeth movement acceleration is higher



## LESS PAINFUL

on aligner insertion



## LESS PLASTIC

Less aligner and 3D model count



## BE ECO-FRIENDLY

You can return the booster and the aligners at the end of your treatment in order to help us to reduce electronic and plastic waste for a pollution free environment.



**Carbon neutral**

Product

[ClimatePartner.com/22020-2301-1001](https://ClimatePartner.com/22020-2301-1001)



# CLEARX RESULTS

## 4.5 months treatment

The 4D technology used in the making of ClearX has superior results in comparison to the classical aligner treatments. Thanks to the recurrent aligner patented method, the teeth movement lag, often seen in classical methods, is overcome and continuously being adjusted on monthly basis.

While the treatment accuracy is mandatory, we didn't forget how crucial speed is. ClearX provides 35% shorter treatment durations in comparison to other classical systems in the market, with ClearX up to 1mm/month tooth movements could be expected.



Before

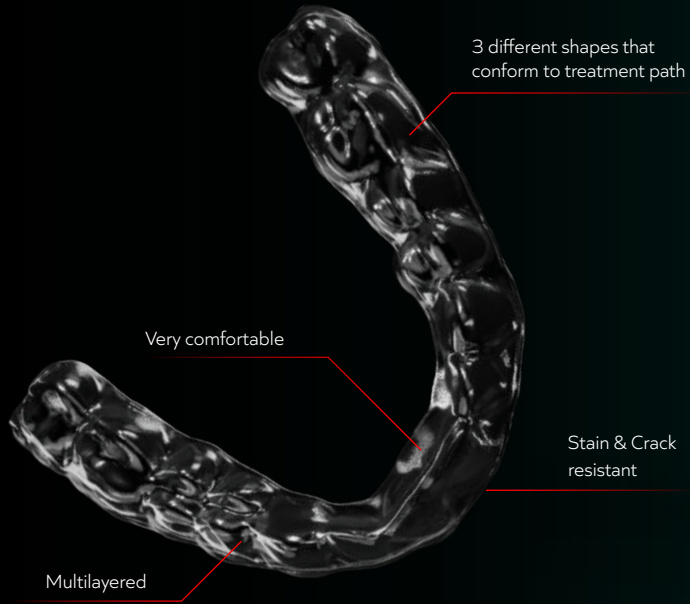


After





# SMART ALIGNERS



# BOOSTER



1 week



1 week



1 week



Patient receives an aligner that has shape memory for 3 different shapes

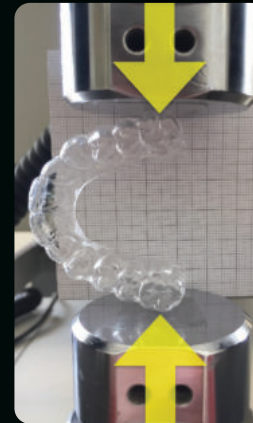
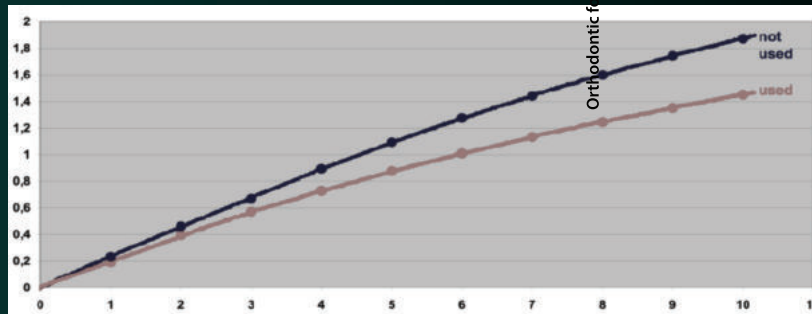
Activate aligner the first time with the booster

Activate aligner the second time with the booster

Go to next aligner and repeat the process

# IN-LAB THERMOMECHANICAL TESTING

Mechanical tests under flexure | Results



## Cooperation

We have set cooperations to study thermomechanical behaviour, shape memory characteristics, and orthodontic forces exhibited by the material.



UNIVERSITÀ  
DEGLI STUDI  
DI BRESCIA

# WHAT DOCTORS SAY



## **Dr. S. Kandil**

Germany - K Line Europe

"The future of orthodontics is great and we are determined to play a major role in it. 4D ortho is a fundamental move for the whole industry. It opens the door to so many new possibilities. Accurate, fast, eco-friendly and smart are all conceivable meanings 4D brings to orthodontics."



## **Dr. Charlston UY**

Phillipines

"4D aligner technology is a game changer. It will revolutionize the field of Aligner Orthodontics and I'm glad that K Line will lead that revolution."



## **Dr. Arozo Ah.**

Germany

"I worked with different aligner systems and nothing convinced me more than the 4D aligners from K Line. Even complex orthodontic cases are possible to treat in a simple and efficient way. My patients were surprised by the very fast and pleasing results. It's definitely my number one choice in teeth straightening."



## **Dr. G. Singh**

India

"The only thing permanent in life is change. And aligner technology per say was disruptive for orthodontics. Now ClearX is likely to be disruptive for the aligner industry. Looking forward to change with 4D."



## **Dr. R. Hughes**

United Kingdom

"The new K Line ClearX 4D technology brings fantastic innovation and disruption to the clear aligner industry. ClearX is a millennialisation of orthodontics, a very exciting concept for both clinicians and patients."



## **Dr. C. Dewdney**

United Kingdom

"K Line is an already established, dynamically growing and ever innovative orthodontic company that has focused, very uniquely, cutting edge scientific research and development with ecological awareness and responsibility to reduce our "plastic footprint". The utilisation of smart materials, coupled with patient booster units to track aligner modifications and instigate them is revolutionary!"

# CLEAR X

Any questions?  
We're here to help!

Contact us  
+49 172 6898684  
[info@clearxaligners.com](mailto:info@clearxaligners.com)

 PROUDLY  
MADE IN GERMANY



**K LINE EUROPE GMBH**  
SEGRO PARK DÜSSELDORF SÜD  
Unit 203 K  
Bonner Straße 203-393  
40589 Düsseldorf, GERMANY  
[www.clearxaligners.com](http://www.clearxaligners.com)