

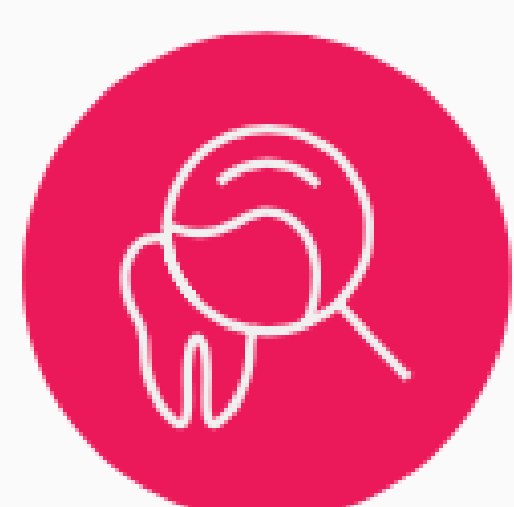
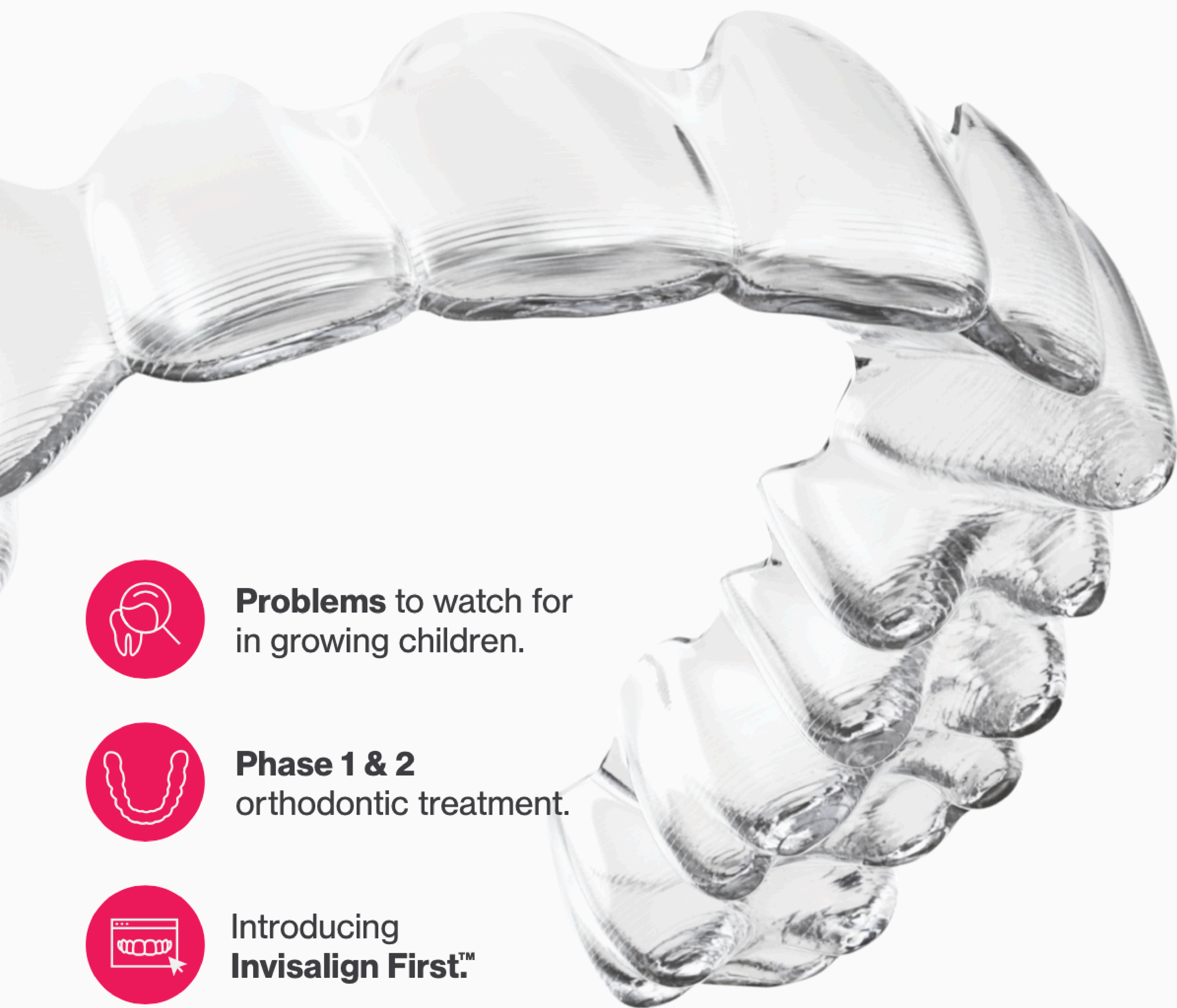
QUEENSWAY  
ORTHODONTICS

invisalign first™

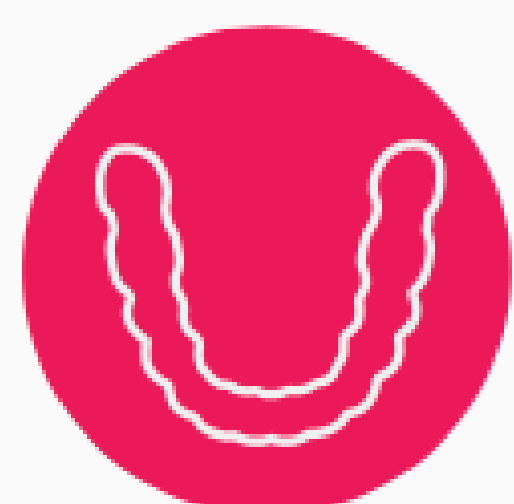
- › Give your child an early start to a great smile with Invisalign® treatment at **Queensway Orthodontics.**

invisalign first™

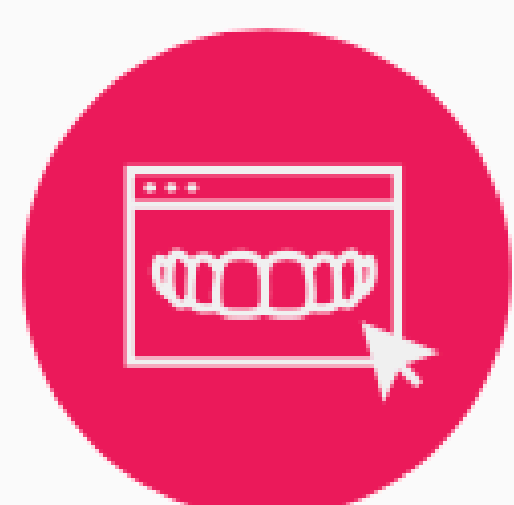




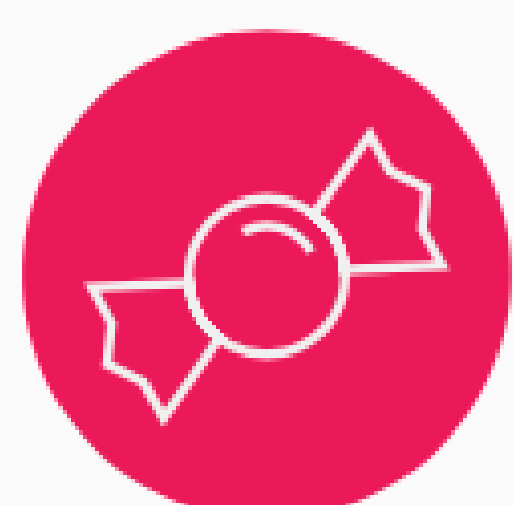
**Problems** to watch for  
in growing children.



**Phase 1 & 2**  
orthodontic treatment.



Introducing  
**Invisalign First.™**



Invisalign  
**Stickables.™**



# Problems to watch for in growing children.

If your child has the **following dental problems, consider Phase 1 orthodontic treatment**<sup>1,2</sup>.



**Crossbite.**

When upper teeth bite over lower teeth, caused by misalignment of teeth or bone.

**If not corrected:**

The jaw shifts to one side; lopsided jaw growth; wearing down of the enamel.



**Open bite.**

Chewing and speaking can be difficult when the upper and lower teeth cannot contact when the mouth is closed.

**If not corrected:**

Swallowing problems; Possible speech problems.



**Underbite.**

The lower jaw sits in front of the upper jaw.

**If not corrected:**

Face has “bull dog” appearance; tooth wear; stress on jaw joints.



**Deep bite.**

When the bite is closed, the upper front teeth cover the bottom teeth too much.

**If not corrected:**

Possible gum disease, early enamel wear.





### Spacing.

Too much space between teeth, resulting from missing teeth, undersized teeth, oversized jaws, or a combination of these conditions.

#### If not corrected:

Possible cavities, gum disease.



### Protrusion.

Front teeth that stick out, because the upper jaw is too far forward, the lower jaw is too far back, the teeth grew in at an angle, or a combination of these conditions.

#### If not corrected:

Upper teeth are prone to accidental breaking; Speech problems.



### Crowding.

Insufficient space for the teeth, resulting from big teeth or inadequate space in the jaw or both.

#### If not corrected:

Possible cavities, gum disease.

➤ If any of these common bite problems exist in a child's mouth, **they likely will not self-correct.** Untreated problems tend to **get worse with time.**

#### References:

1. [chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://s3.amazonaws.com/mlmsz/pdfs/PTWF\\_Grow\\_Child-17-hl.pdf](chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://s3.amazonaws.com/mlmsz/pdfs/PTWF_Grow_Child-17-hl.pdf)
2. <https://www.aaoinfo.org/blog/7-common-bite-problems/>

# What is Phase 1 orthodontic treatment?

As a child grows, their smile grows with them. Even with mostly baby teeth, some problems with jaw growth and emerging teeth can already be detected at the age of 6<sup>1</sup>. At this stage, doctors can see issues that may need early treatment to address a developing problem. This is known as Phase 1 treatment.

- The **goal** for early treatment is to **create a better environment for permanent teeth** as they come in.



# What is Phase 2 orthodontic treatment?

More often, patients will require a second phase of orthodontic treatment after a child has most or all of their permanent teeth to move those teeth into their best positions. This completes the tooth and jaw alignment that was started with Phase 1 of preventive or interceptive treatment.

- The **second phase** of treatment **moves permanent teeth into their final positions**.



## invisalign first™

**Phase 1** treatment for growing children with a mix of baby and permanent teeth.<sup>2</sup>

## invisalign®

**Phase 2** treatment for pre-teens and teens when most or all permanent teeth have erupted.

#### References:

1. <https://orthodonticsaustralia.org.au/when-to-see-an-orthodontist/>
2. Retainers are recommended in between phases while waiting for the permanent teeth to grow in and after Phase 2 is completed to help retain the corrections made.

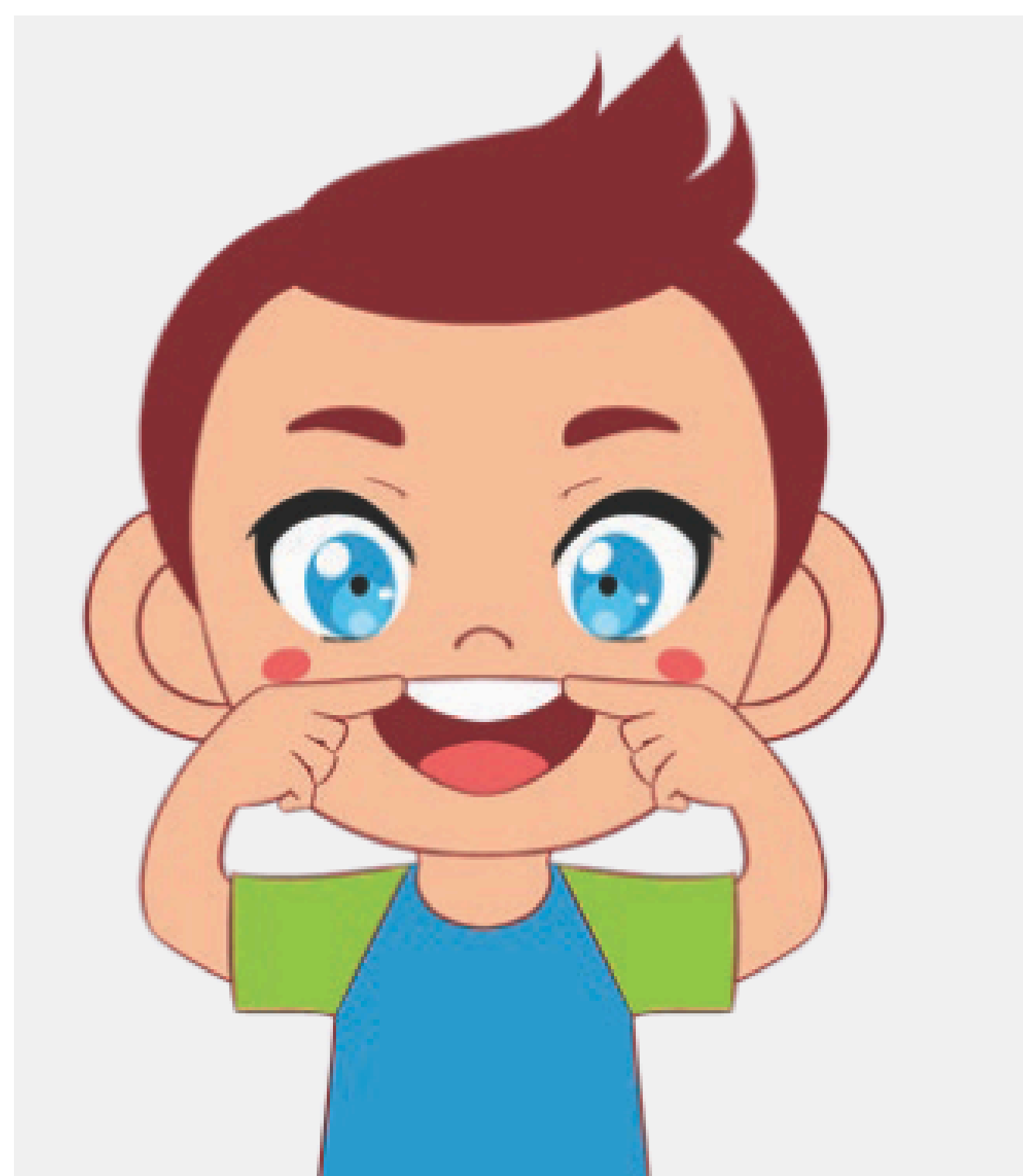
# Why Phase 1 orthodontic treatment?

Queensway Orthodontics recommend that children get their first orthodontic evaluation when they are between 6-10 years old<sup>1</sup>



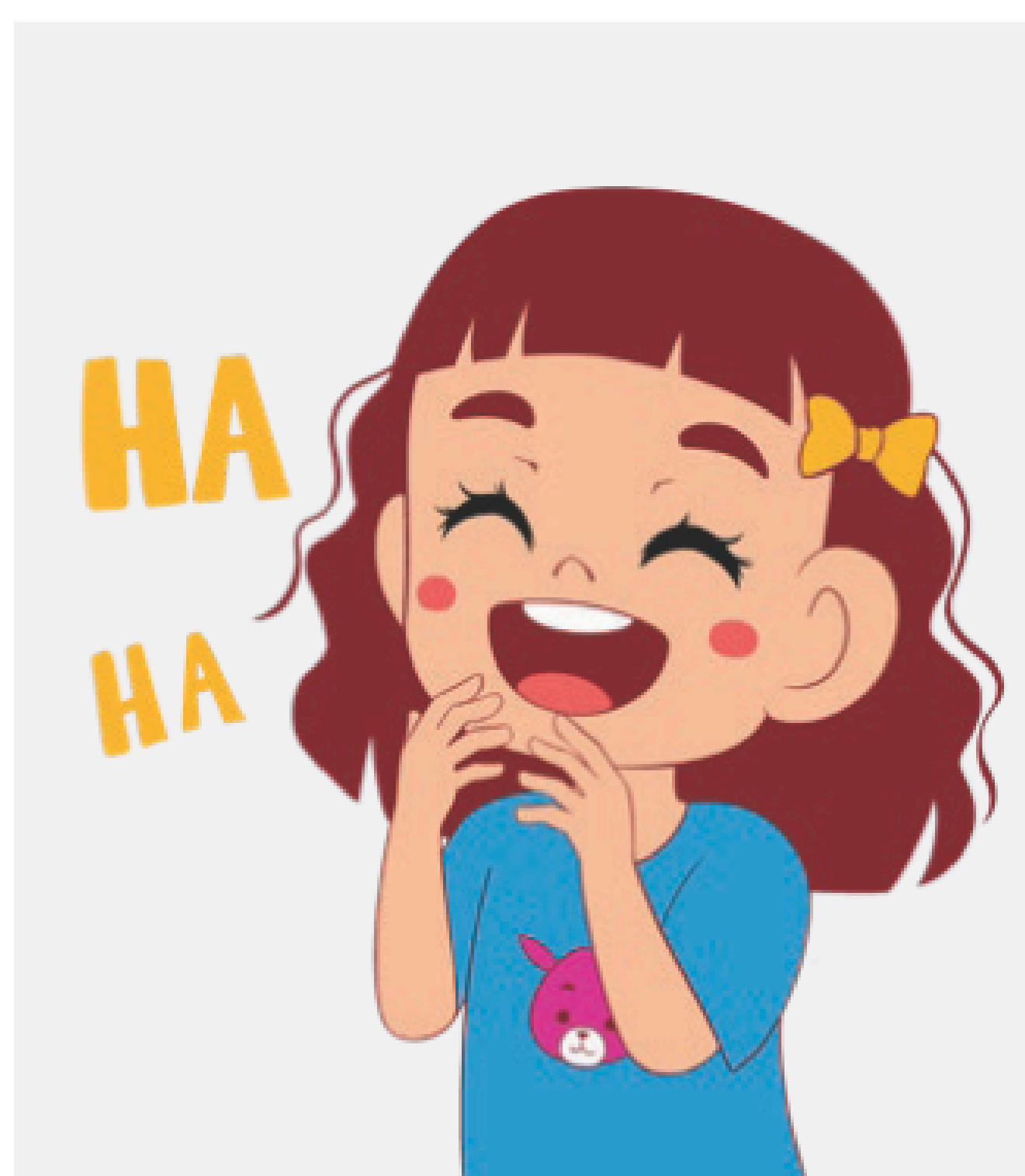
## Functional impact.<sup>3</sup>

- › Guide the growth of your child's jaw
- › Correct your child's bite to help chewing, swallowing and speech
- › Correct harmful oral habits such as thumb sucking and tongue thrusting
- › Lower risk of trauma to protruded front teeth



## Aesthetic impact.<sup>3</sup>

- › Guide permanent teeth into a more favourable position
- › Improve your child's facial profile and teeth alignment



## Psychological impact.<sup>3</sup>

- › May improve self-esteem and social interaction



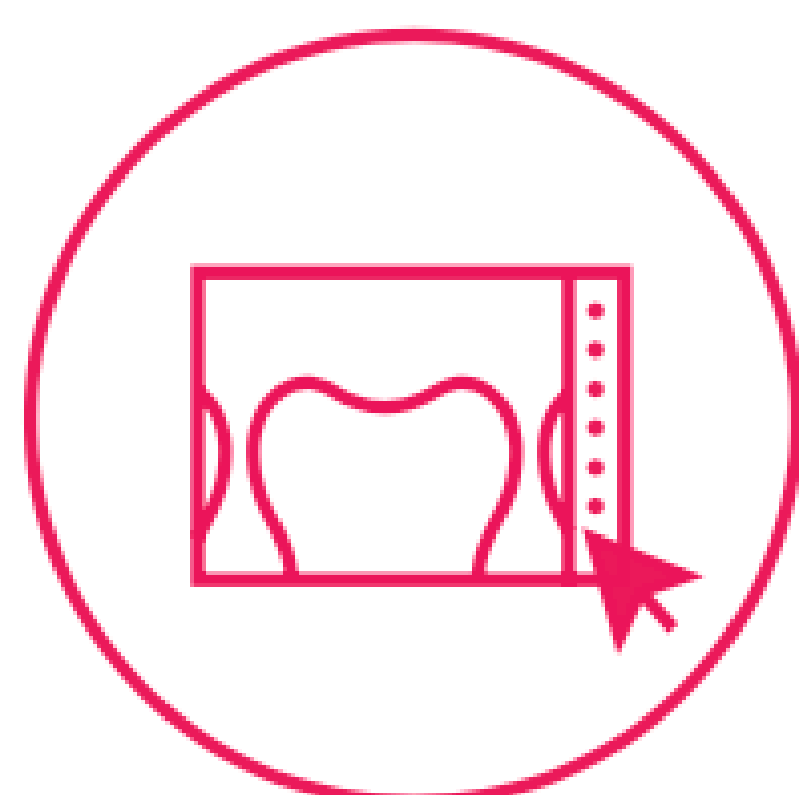
### References:

3. Korean Association of Orthodontists <https://www.kao.or.kr/general/sub06/sub01.html>



# Introducing **Invisalign** treatment.

Invisalign treatment transforms smiles through pioneering research. Behind every clear aligner is **an industry-leading team of engineers and scientists** who are continuously innovating to improve your path to a beautiful smile.



**World's largest**  
user of state-of-the-art  
3D printing technology.



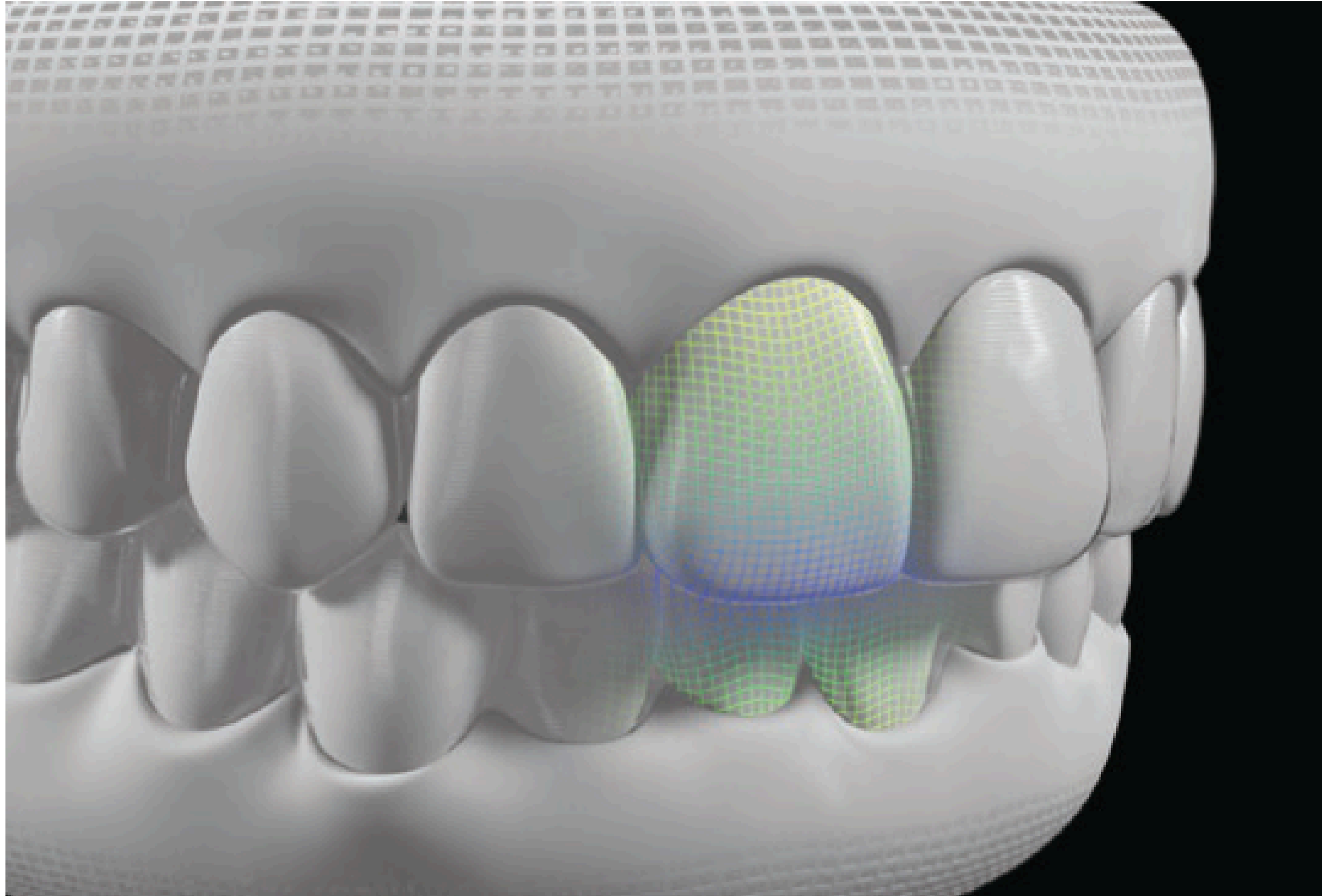
**450+ patents**  
for industry-changing  
technologies.



**15 million smiles**  
transformed.<sup>1</sup>

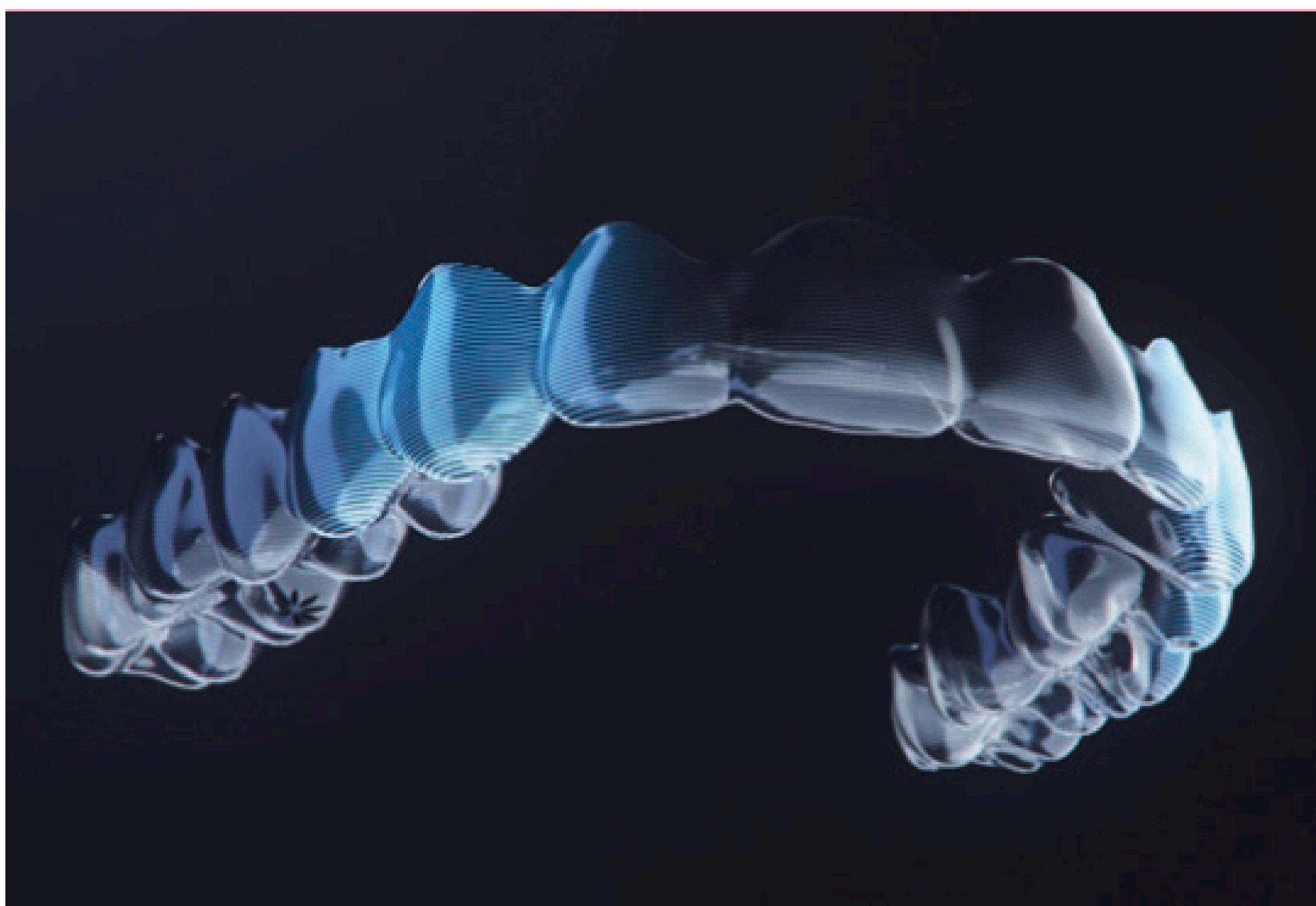
# The world's leading clear aligner.

The three technologies are responsible for **Invisalign system's better predictability and outcomes.**



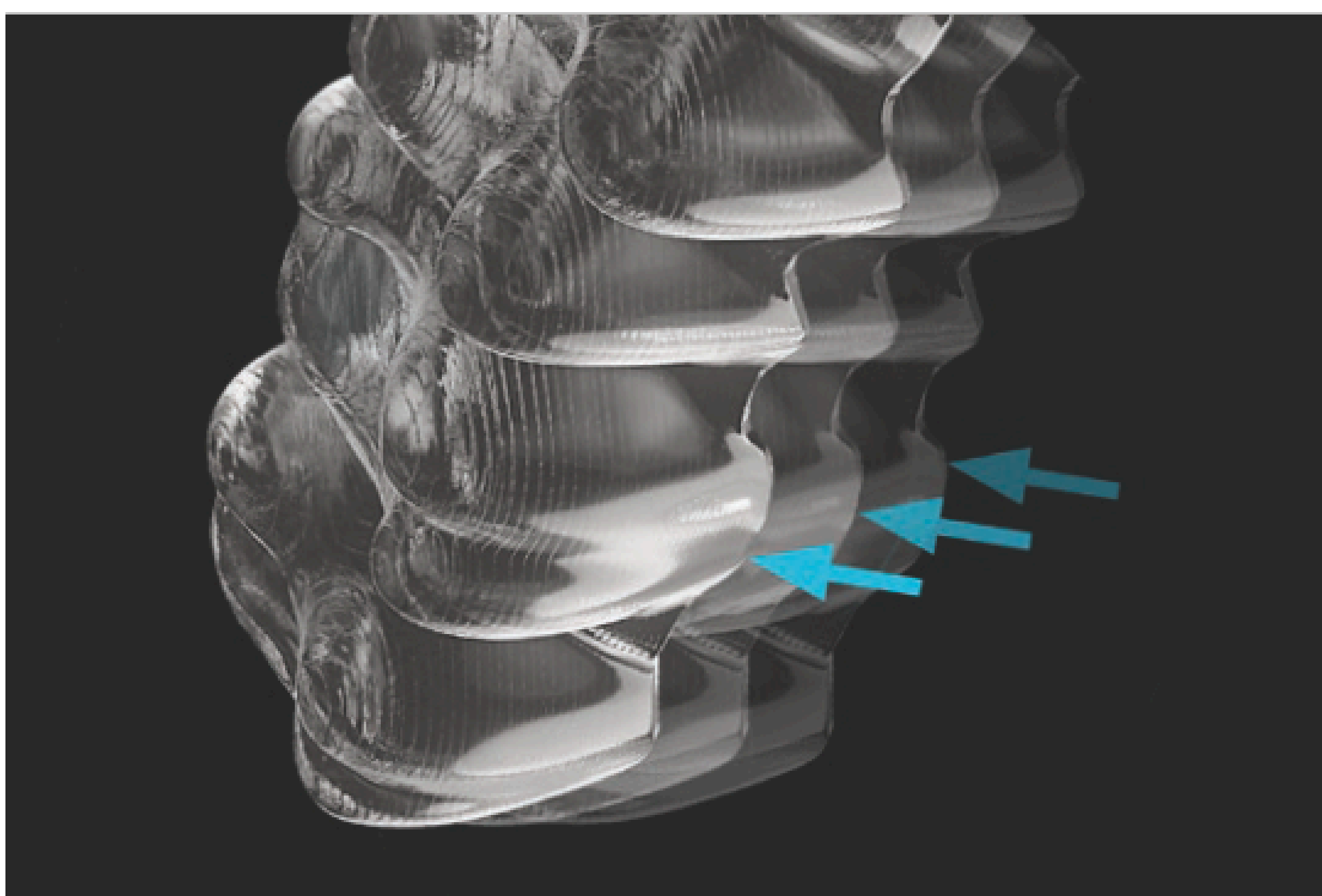
## **SmartForce™ features.<sup>2</sup>**

Delivers the force systems necessary to achieve optimal and more predictable tooth movements individually or as a series.



## **SmartTrack™ material.<sup>2,3</sup>**

Highly elastic material provides better fit and gentle, more constant forces to achieve more predictable and more comfortable tooth movements.



## **SmartStage™ technology.<sup>2</sup>**

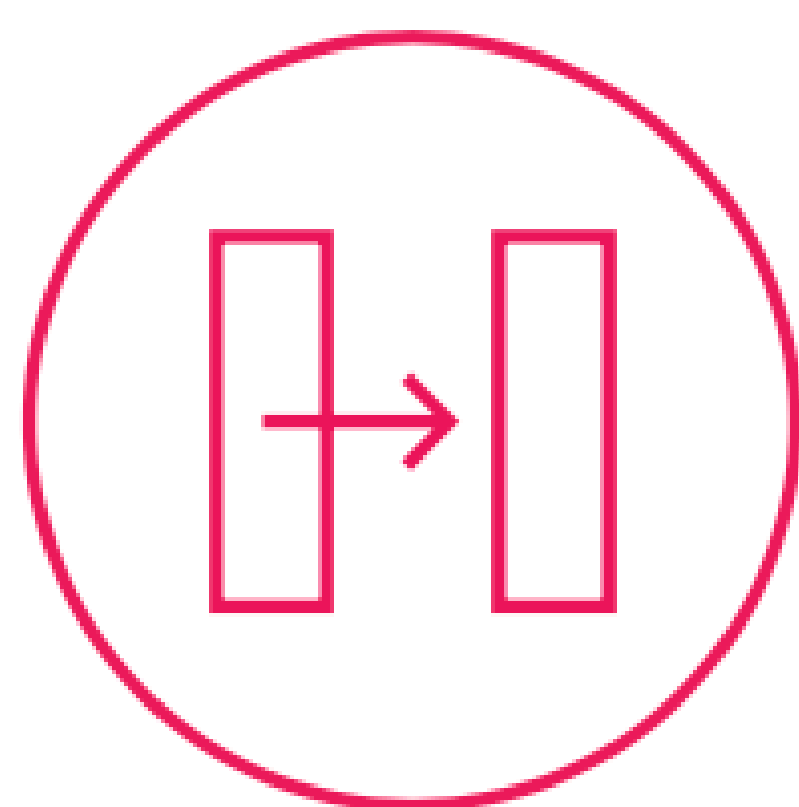
Generates the optimal path of tooth movement using advanced algorithms for improved predictability and efficiency.

### **References:**

1. Data on file at Align Technology, March 31, 2023.
2. Data on file at Align Technology.
3. Brascher, et al. Patient survey on Invisalign treatment comparing the SmartTrack material to the previous aligner material. J Orofac Orthop 2016;77:432–8.

# Introducing Invisalign First treatment.

Invisalign first treatment is the **first clear aligner product** designed with features specifically **for growing patients**<sup>1</sup>.



Formulated to provide **more predictable results** and a positive experience for your child.



**Making room** for existing teeth and for incoming permanent teeth.



Addresses the unique needs of growing children - **aligning teeth while expanding dental arch.**

#### References:

1. Based on a survey of n=303 parents of children 6-10 who would be open to considering orthodontic treatment if recommended by their dentist or orthodontist, who were asked the question "Which of the following orthodontic treatments would you prefer for your child age 6-10?" and were shown images and a short description of treatment options.

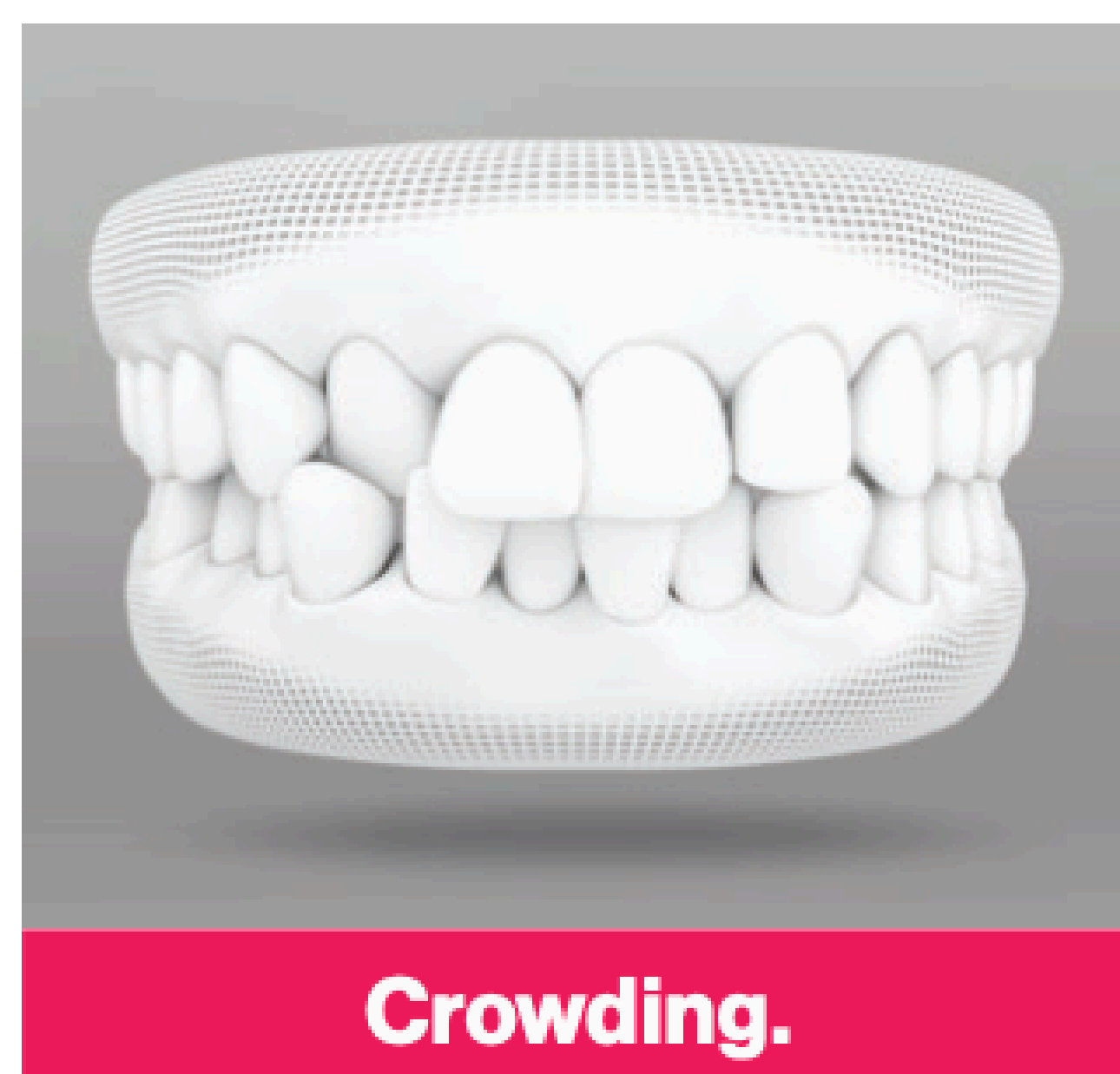


# The first clear aligner designed with features specifically for **growing patients.**

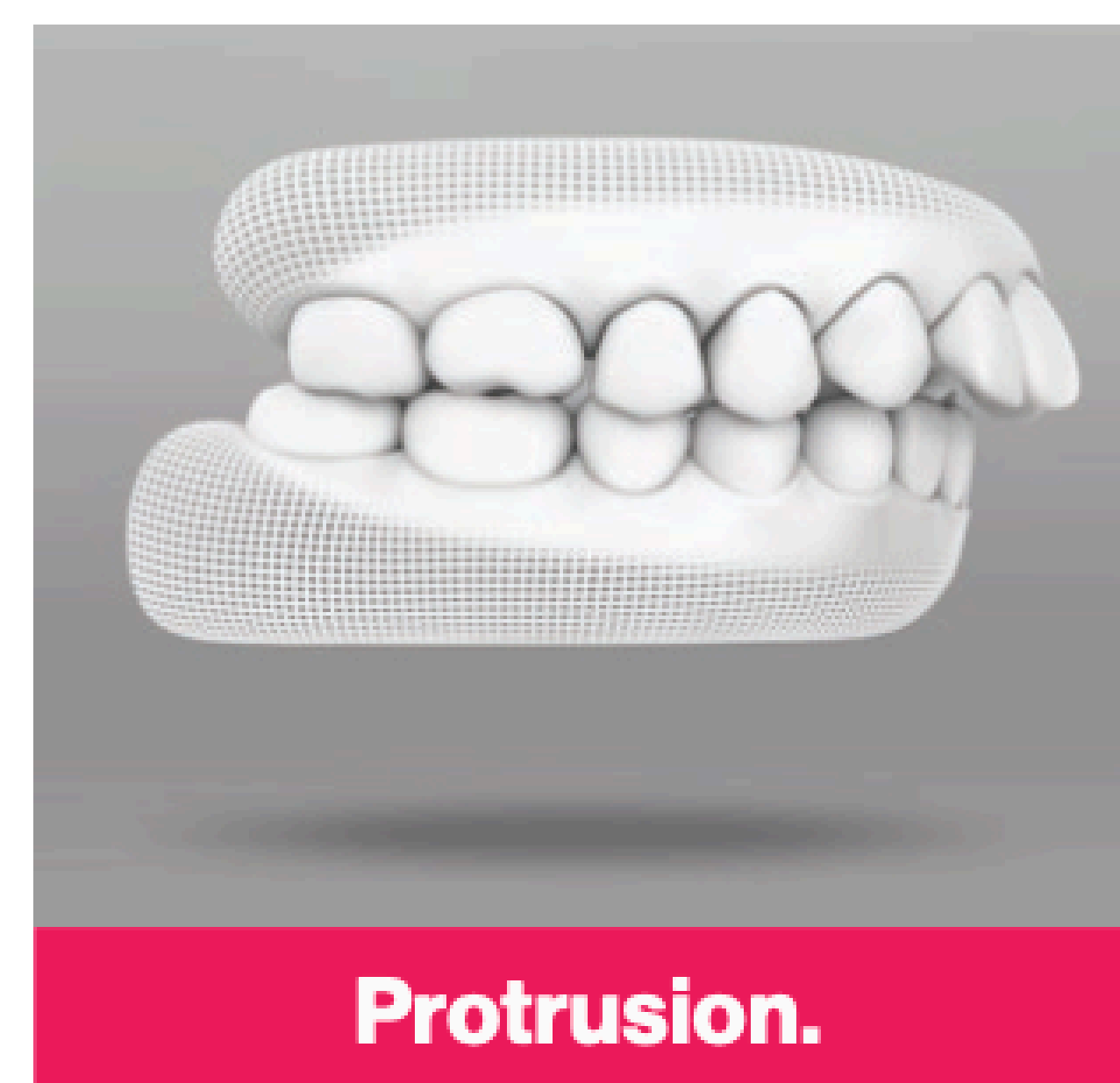
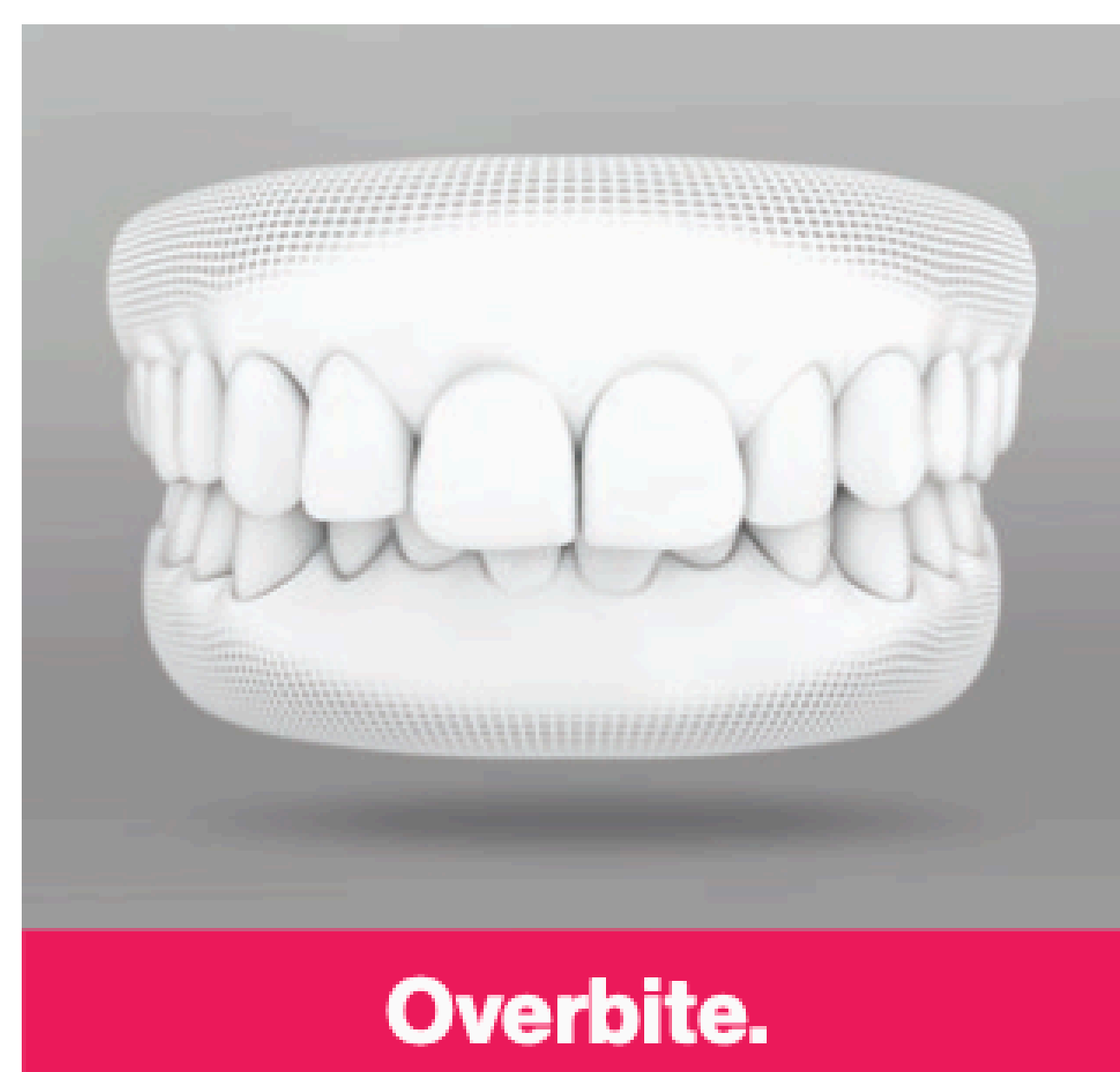
Invisalign First treatment is designed to treat a broad range of issues in growing children, from simple to complex such as crowding, spacing and narrow dental arches.

## Treatable cases:

- Spacing issues.



- Bite issues.



- Invisalign First aligners are **made for all sorts of smiles.**

# With Invisalign First treatment, a great start on their smile doesn't come with stops.



## Removable.

- Made with SmartTrack material, Invisalign aligners are easy to put on and remove.<sup>1,2</sup>

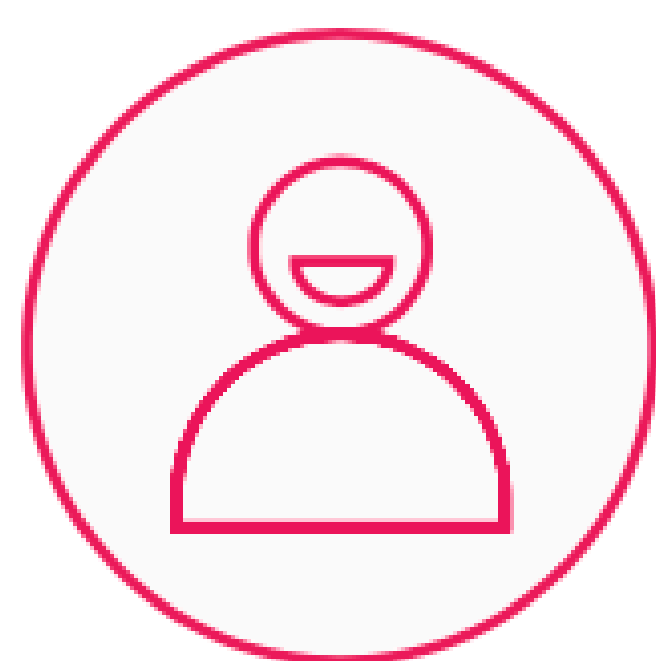
- Your children can enjoy the foods and activities they love.<sup>3</sup>



## Clearer timeline.

- With a digital 3D treatment plan, it allows you to visualise every stage of the treatment.<sup>1</sup>

- You and your child get a clearer picture of the treatment duration.<sup>1</sup>



## Less disruption.

- No wires or brackets. Can be removed before your child engages in certain activities like sports.<sup>1</sup>

- Your child is free to enjoy sports and other activities.<sup>1</sup>



## Fewer doctor visits.

- Dental monitoring from home.
- Fewer emergency visits needed because there is no risk of wire or bracket damaged.<sup>1,4,5</sup>

- Your child can have more time for other activities and your schedule is freed up.<sup>1,4,5</sup>

### References:

1. Data on file at Align Technology.
2. Brascher, et al. Patient survey on Invisalign treatment comparing the SmartTrack material to the previous aligner material. J Orofac Orthop 2016;77:432–8.
3. Azaripour A, et al. Braces versus Invisalign®: Gingival parameters and patients' satisfaction during treatment: A cross-sectional study. BMC Oral Health 2015;15:69.

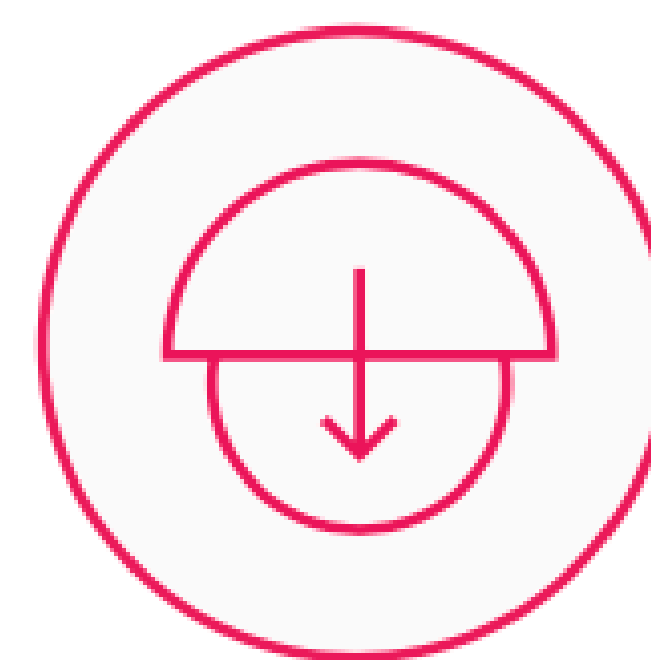
# Children grow with **minimal disruption to their daily lives.**



## **Better oral health.**

- Your child will be able to brush and floss normally.<sup>5</sup>

- Your child can benefit from better oral hygiene.<sup>5</sup>



## **Better comfort.**

- Due to SmartTrack material and SmartForce features, gradual, gentle, and effective tooth movement is ensured.<sup>1</sup>

- Your child may have a better quality of life.<sup>6</sup>



## **Nearly invisible.**

- Aligners are virtually invisible.<sup>7</sup>

- Your child can always smile with confidence.<sup>3</sup>

- **84 % of parents of children who are currently undergoing Invisalign First treatment are **satisfied with the results.****<sup>1</sup>

### **References:**

4. Buschang P, et al. Comparative time efficiency of aligner therapy and conventional edgewise braces. Angle Orthod 2014;84(3):391–6.
5. In: English JD, et al: Mosby's Orthodontic Review. Elsevier; 2014:159.
6. Banerjee S, et al. Effect of orthodontic pain on quality of life of patients undergoing orthodontic treatment. Indian J Dent Res 2018;29(1):4–9.
7. American Association of Orthodontists. Orthodontic Treatment with Clear Aligners. Available at: <https://www.aaoinfo.org/blog/orthodontic-treatment-with-clear-aligners//>. Accessed 12 Nov 2019.



# 5 simple steps to a newer, better smile for your child.



01

Invisalign First treatment **starts with a simple scan** or impressions of your child's teeth.

Your child's **individual 3D treatment plan** is created using the dental records collected and treatment prescription.



03

**Custom-made clear aligners with state-of-the-art features** are created with advanced 3D printing, specially made for your child's teeth.

02



Your child will receive a **series of custom-made clear aligners**. The doctor will test if the first aligner fits well, and provide wear and care instructions.



05

04



As they progress through their treatment, you'll see their **smile transform** through a series of small, expertly designed shifts calculated for how little teeth should move.

> **Invisalign system has transformed 15 million smiles.<sup>1</sup>**

**References:**

1. Data on file at Align Technology, March 31, 2023.

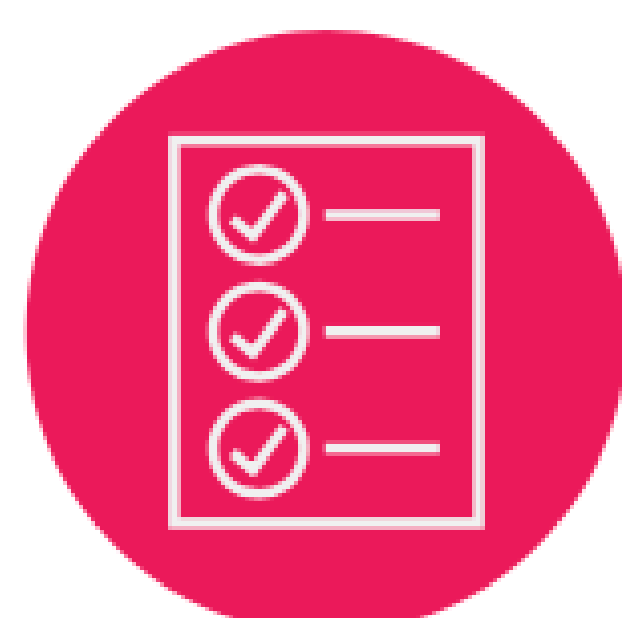
# The Invisalign First treatment journey for you and your child.

Let's look at some of the **common FAQs** from other parents.



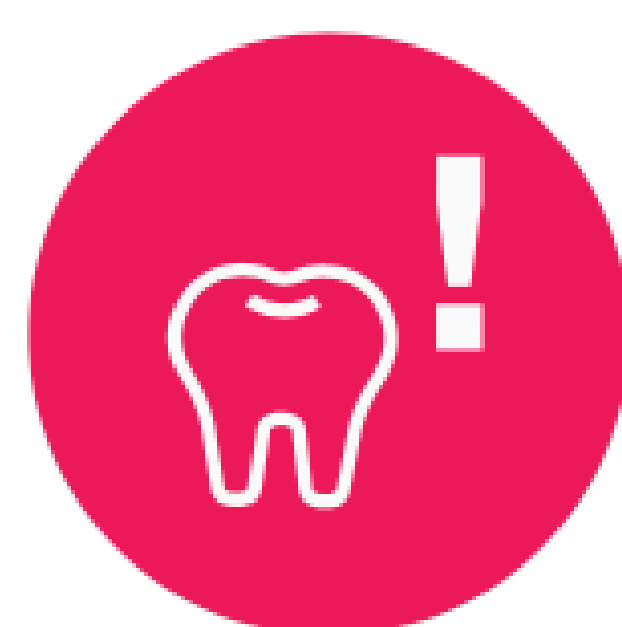
## **When do the aligners need to be changed?**

The aligners will be changed on a weekly basis, depending on your doctor's treatment plan for your child.



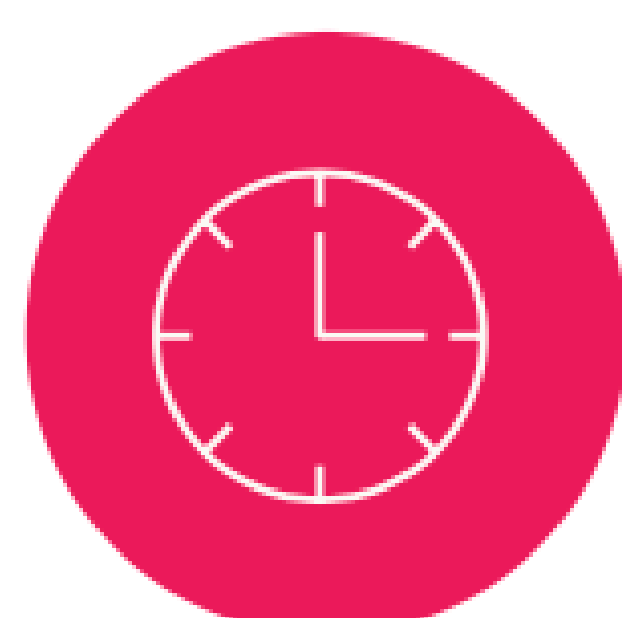
## **I'm not sure my child will wear their Invisalign clear aligners?**

Young patients are highly compliant with Invisalign First aligner wear - 87% of doctors agree<sup>1</sup>. Invisalign First clear aligners have built-in compliance indicators, so you can be sure your child is wearing the aligners.



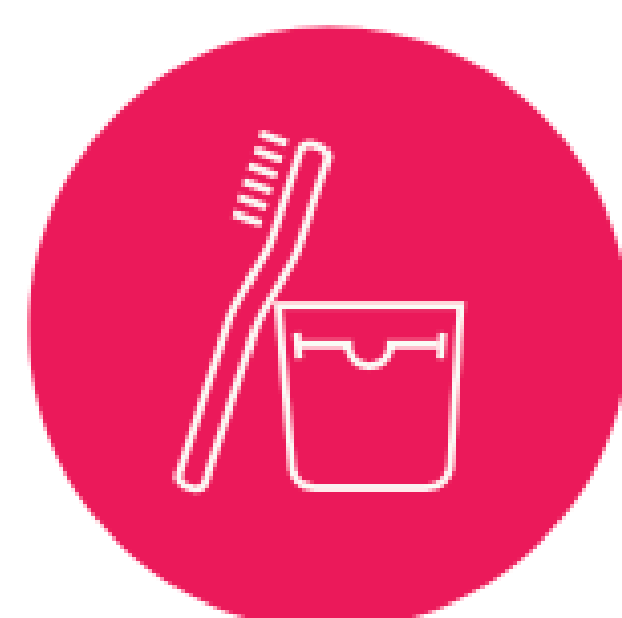
## **What happens if my child's permanent teeth are still growing out?**

The aligner will be designed with an allocated space for the permanent tooth to move into. You will not need to make extra visits to the doctors to make these adjustments.



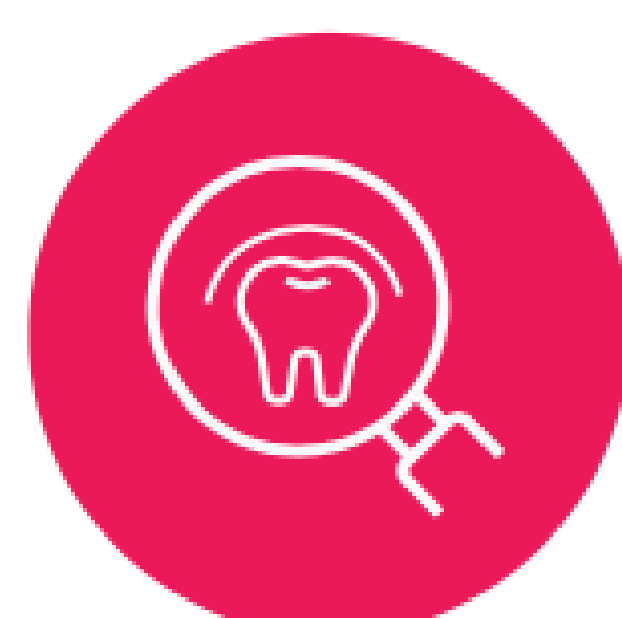
## **How long does my child need to wear the aligners every day?**

The aligners should be worn at least 20-22 hrs a day, except when eating, brushing or flossing.



## **How often does my child need to brush their teeth?**

Your child will need to brush their teeth after eating or after drinking soft drinks or juices, before putting the aligners back on.



## **What do I need to do if my child loses their aligner?**

Your child will most likely be able to move on to the next aligner but call your doctor to confirm.

### **References:**

1. Based on the global limited market release (LMR), which included NA, EMEA and APAC regions, 54 Invisalign orthodontists and a total enrollment of 784 patients. 31 of the 54 Invisalign orthodontists in the LMR responded to the question: "My young patients (typically 6-10 years old) are highly compliant with Invisalign First aligner treatment." Agreement scale is 1-4 with 1 being "strongly disagree" and 4 being "strongly agree" Brascher, et al. Patient survey on Invisalign treatment comparing the SmartTrack material to the previous aligner material. J Orofac Orthop 2016;77:432-8.



invisalign first™



# Invisalign Stickables.



## Customise Invisalign aligners with new stickers.

A majority of surveyed Invisalign orthodontists agree that the **ability to decorate and personalise aligners with Invisalign Stickables encourages compliance** with Invisalign First clear aligners<sup>1</sup>.

### Available in a variety of fun themes<sup>2</sup>

- Shapes & colors
- Animals & nature
- Sports & activities
- Emojis & faces
- Travel & transit
- Foods & sweets
- Fantasy & gaming
- Party & holidays
- Letters & numbers
- Limited edition shapes
- Halloween







➤ **Ask your doctor** about  
Invisalign Stickables today.

**References:**

1. Data on file at Align Technology, as of March 29, 2021
2. Availability of Invisalign Stickables and sticker themes varies by country and provider. Talk to your doctor about Invisalign Stickables.



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