

smilers®

Le sourire chic à la française

Smilers®

Extend your range of care
to meet your patient's needs



ORTHODONTIC ALIGNERS

INSTRUCTION

Smilers® aligners are removable orthodontic devices designed **to correct dental malpositions** in order **to recover** a harmonious and functional alignment for pre-adults and adults.

MECHANISM OF ACTION

The Smilers® custom-made aligners fit the patient's teeth and apply **constant** and particularly **light mechanical forces**. Each aligner will progressively initiate a movement on one or more of the mandibular and/or maxillary teeth until reaching the desired position.

Aligners are designed **to apply the right amount of force, in the right place and at the right time**.

Possible translation movement:
0.2 mm for each aligner

Possible rotation movement:
2 to 3° for each aligner

Applied forces by aligners

Aligner thickness: 0.8 mm

Thicknesses of 0.6 and 1 mm might be a solution as well (depending on planned movements, chewing strength, patient comfort, etc.).



ELIGIBLE PATIENTS

From 12 years old (when all the permanent teeth are out).

MANY TREATABLE CASES

All kind of malpositions can be treated with aligners, from simple alignment to most complex cases (in which elastics, miniscrews and chains can be necessary).



TREATMENT TIME

The treatment time with Smilers® aligners is variable depending on the nature of the smile diagnosis. The treatment usually lasts from **6 to 24 months**.

Aligners should be worn **22 hours per day** to ensure optimal results.

They need to be **removed when eating** and **when brushing teeth**.

PLANNED CASES BY **ORTHODONTISTS:** AN **OPTIMAL SUPPORT**

Because we want what is best for you, our **treatment plans** are developed by **experienced orthodontists**.

You can have them modified, or discuss them with our **orthodontists, who are are ready to help through our hotline**.

The **classification of cases according to their complexity** allows you to select the treatments you wish to perform.

SMILERS® PROCESS STEPS



Take **impressions** of the patient's arches (either physical or digital).



Patient's impressions are **processed by our teams**.



Our **Smilers® orthodontists** develop a **treatment plan**.



The **treatment plan** with a before/after video (the **SmilerStory**) is sent to you. You can **talk to our orthodontists** if you have any questions or need to make modifications.



Once you validated the treatment plan, a **set of Smilers® aligners** is sent to you.



The patient needs to change his/her aligners every **2 to 3 weeks (1 week with the ATP38® treatment accelerator)**. Follow-ups must be made to ensure a successful treatment.

MADE IN FRANCE QUALITY

Clear and smooth aligners for a better patient satisfaction

ALIGNERS INSPIRED BY FRENCH HAUTE COUTURE:

Produced in our high technology production factory in Salon-de-Provence.

- Cut along the dental neck.
- Hand-polished in our Workshop



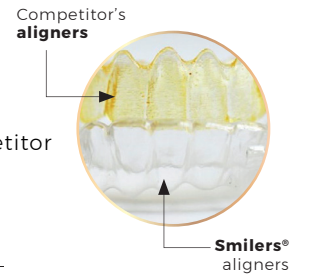
Infection prevention is more important than ever: cleaning and disinfecting aligners is a key production step.



OUR EXPERTISE: ALIGNERS' QUALITY

SMOOTH IMPRESSION TO PREVENT RESIDUES

Smilers® aligner compared to competitor aligner, after a week in coffee.



EFFICIENCY CONFORM WITH THE TREATMENT PLAN

Our PETG is biocompatible. Its thickness and our production method maximise tooth contact throughout treatment.

SMILERS® WARRANTIES



French & high-quality aligners

We are proud that our factory has been granted the **ISO 13485 certification**, proving the qualitative production of our clear aligners.



Made In France warranty

Smilers® is a **French family business** with strong **values**, mobilised to offer a «chic French smile». Our custom-made aligners have been granted the French Origin Warranty label.



ECO-FRIENDLY

Our aligners are **bisphenol-free**, their packaging can be **recycled** and our brochures are printed with **vegetable-ink**.

A COMPLETE CONTENTION RANGE

Smilers® FIX

Custom-made, resistant
& discreet



Retainers

1 mm thickness



ORTHODONTIC TRAINING BIOTECH DENTAL ACADEMY

INITIATION, IMPROVEMENT, MANAGEMENT OF CLINICAL COMPLICATIONS

3 gradual levels of clear orthodontic training

Discover all our training & register on <https://academy.biotech-dental.com/>



DIGITAL IMPRESSION: YOUR INTRAORAL SCANNER WILL BE THE RIGHT ONE

Our system is **OPEN** and accepts files from all intraoral scanners.



WOW®
direct link
with Smilers®

3Shape TRIOS
direct link
with Smilers®

SMILERSTORY: VISUALISE THE TREATMENT STEPS, FOR EACH ALIGNER AND EACH TOOTH.

Increase your patients' interest to treatment by sharing the **Smilerstory: before/after video of their treatment.**



NEMOCAST, SOFTWARE USED BY OUR ORTHODONTISTS

The reference for the development
of **treatment plans** with aligners

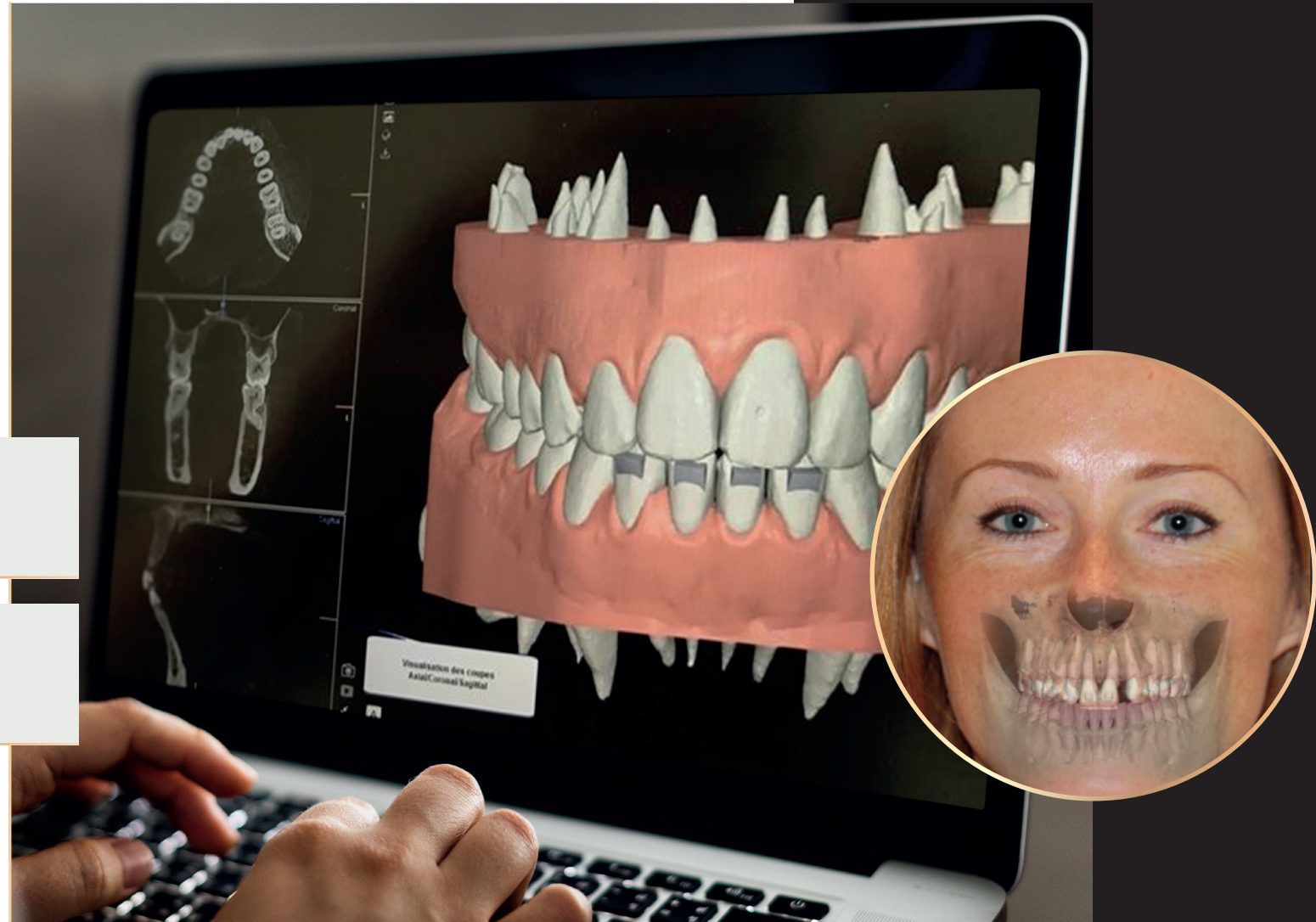
Supervised stripping: Smilers® takes care of your
patient's teeth

To preserve your patients' enamel, strippings are limited: **0.3 mm per side.**

Smilers® particularity, a more predictable and safer
treatment*

View of real root segmentation.

*Compared to treatments made with the previous version of the software used to create the treatment plan that did not allow root segmentation and visualization of their movement - Study by Angela Chiara D'Alessandro and others «Integrating CBCT and Virtual Models for Root Movement with Clear Aligners» - Journal of clinical orthodontics (jco-online.com), March 2020.



WOW®: THE INTERGENERATIONAL CAMERA ADAPTED TO ALL YOUR PATIENTS



Smallest camera on the market



Quick and powerful MSI GS65 computer provided



Send your files, with real-life colours to Smilers® in a few clicks



Free software updates



Child-friendly interface



ATP38®: BOOST ORTHODONTIC TREATMENT WITH PHOTOBIO-MODULATION

- ✓ Lower treatment pain.
- ✓ Clinical studies proved photobiomodulation sessions could reduce orthodontic treatment length.^{1,2}

HOW?

Photobiomodulation - or Low Light Level Therapy (LLLT) - is an athermic and non-invasive treatment based on seven wavelengths, each of them with specific action.

Photons enter skin and are absorbed by cells. This energy participates to cellular regeneration.

¹Al-Dboush, Ra'ed, Anahita Naseri Esfahani, and Tarek El-Bialy. « Impact of photobiomodulation and low-intensity pulsed ultrasound adjunctive interventions on orthodontic treatment duration during clear aligner therapy ». The Angle Orthodontist 91, n° 5 (september 2021): 619-25.

²Cacclaniga, G., C. Crestale, M. Cozzani, A. Piras, S. Mutinelli, A. Lo Giudice, and G. Cordasco. « Low-Level Laser Therapy and invisible Removal Aligners ». Journal of Biological Regulators and Homeostatic Agents 30, n° 2 Suppl 1 (June 2016): 107-13.

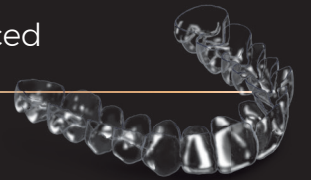
OUR SUCCESS STORY

Created by Philippe VERAN in 2013, **Smilers®** is an affiliate of the french group **Biotech Dental**.

Biotech Dental is part of **Upperside**, a French family-owned holding company, involved in industry, healthcare, entertainment, sports and cosmetic fields.



+ 1.5 Million
aligners produced



smilers®

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Le sourire chic à la française



Manufacturer of Smilers custom-made clear aligners and Smilers Fix: Biotech Dental Smilers. Class IIa custom-made medical devices for dental alignment or immobilize and maintain the teeth position after orthodontics treatment. WOW® Manufacturer: Scan4all. Class I medical device for digital dentistry. CE. ATP38 Manufacturer: Swiss Bio Innov. Class IIa medical device. CE0459. Technology for medical applications: analgesic, anti-inflammatory, healing. Must be used by qualified and trained healthcare professionals. Protective eyewear must be worn by the practitioner and the patient. Contraindicated for patients with pacemakers, epileptic patients, pregnant women and prepubescent children. Le scanner intra-oral 3Shape TRIOS est un dispositif médical de classe I en Europe pour soins dentaires réservé aux professionnels de santé. Il n'est pas remboursé par les organismes d'assurance maladie. Il est certifié ISO 13485 par l'organisme BSI. Date de marquage CE : avril 2015 TRIOS 3 - décembre 2018 TRIOS 4. Fabricant : 3Shape TRIOS A/S. Lire attentivement le manuel d'utilisation. All medical devices mentioned are reserved for healthcare professionals. Carefully read the instructions on the leaflets. Not reimbursed by french social security. Biotech Dental Smilers. 305, Allées de Craponne - 13300 Salon de Provence - France. A French company under the French law with a capital of 125 000 € - Commercial register Salon de Provence : 801 674 375 - SIRET : 801 674 375 00010 - N° TVA : FR 93 80 167 437 5. Images are for representation purpose only. Do not throw in public areas. Imprimerie VALLIERE - 163, Avenue du Luxembourg - ZAC des Molières - Miramas - France.