



Noxi and F22
aligners

THE EVOLUTION OF
ORTHODONTICS
WITH ALIGNERS

TWO SOLUTIONS, **ONE GOAL:** TO IMPROVE THE **SMILE** OF YOUR PATIENTS.

F22 and NOXI are the result of a combination of innovation, scientific research, and clinical experience, offering a complete range of aligners.

nOXI

the night aligner

NOXI is an aligner designed to be worn at night.



To be worn for about 10 hours a day



A dedicated app that allows for constant monitoring of wear time



Greater freedom in oral hygiene for the patient

f22 ALIGNER

F22, the discreet and comfortable clear aligner.



Maximum transparency thanks to the innovative material



Precise and predictable orthodontic movements



No restrictions on patients' daily routines

THE EVOLUTION OF ORTHODONTICS WITH THE **F22** AND **NOXI ALIGNERS**

The aligners were developed in collaboration with the team of orthodontists **from the School of Specialization in Orthodontics at the University of Ferrara**, led by **Prof. Giuseppe Siciliani and Prof. Luca Lombardo**.

It is one of the first academic institutions in Italy and Europe to have conducted in-depth research on aligners, contributing to their clinical application in orthodontics.



WHERE ARE NOXI AND F22 PRODUCED

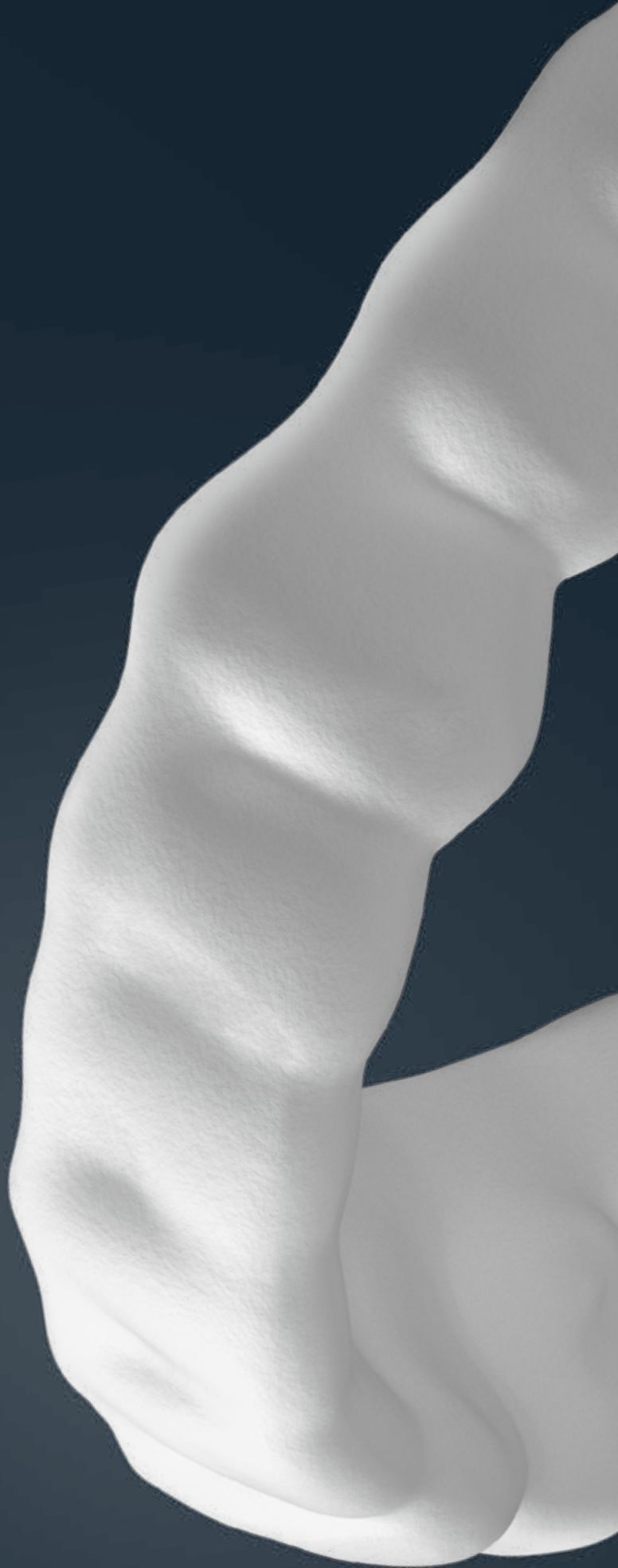
NOXI and F22 are **designed and manufactured in Italy**, at the headquarters of Sweden & Martina in the province of Padua, where the company has centralized the entire production of its medical devices. The aligners are manufactured in dedicated laboratories, specifically developed for this type of production.

The production area spans over 9,300 square meters and includes state-of-the-art bioengineering and manufacturing departments, equipped with cutting-edge technologies such as CNC machines, automated washing systems, 3D printers, and 3 and 5 axis CAM milling machines.



NOXI, THE ALIGNER YOU ONLY WEAR AT NIGHT

NOXI is an aligner designed to be worn for about 10 hours a day, making it ideal for overnight use.





NOXI allows patients to **go about their day with greater freedom**, reducing the time they need to wear it during daily activities **without compromising the effectiveness of orthodontic treatment**.

WHY CHOOSE NOXI

BENEFITS FOR THE CLINICIAN



Control of movement

The differentiated application of forces across different segments of the dental arch allows for predictable orthodontic movements even with reduced wear time.



EVOSTRONG Material

The material used to make the aligner is white and formulated to apply differentiated forces; it changes color based on the patient's actual hours of use, allowing for compliance monitoring.



Dedicated specialist support

The clinician is supported by a team of orthodontists in case selection and treatment management.

BENEFITS FOR THE PATIENT

Reduced wear time

The aligner is worn primarily at night, without interfering with daily activities. The recommended 10 hours of use can be achieved even intermittently, provided that the total recommended wear time is achieved.



Greater acceptance of treatment

It is also ideal for particularly demanding or less cooperative patients, as it reduces the main barriers associated with prolonged aligner usage.



Improved oral hygiene management

Limited use of the aligner simplifies treatment management and makes daily oral hygiene easier.



CASES TREATABLE WITH NOXI

With **NOXI**, it is possible to treat most adult and growing patients with:

- crowding;
- diastemas;
- Bolton index discrepancies that require prosthetic restorations or stripping for complete correction;
- irregular gum lines in patients with worn or misaligned teeth;
- open bites or deep bites of mild or moderate severity.

With **NOXI**, it is possible **to treat a full arch** (one or two arches) or to treat only the anterior teeth, from canine to canine (one or two arches). In this type of treatment, cases involving extractions, occlusal modifications in the posterior regions, or significant shifts in the midline cannot be accepted.

Inclusion criteria

- **NOXI** is suitable for patients with fully erupted permanent second molars;
- the use of auxiliary devices and supplementary equipment in conjunction with the aligners may be appropriate: buttons, elastics, brackets, divots, or other devices.



CROWDING



DIASTEMA



CROSSBITE



OPEN BITE



DEEP BITE

NOXIMINDER AND TRUE WHITE BOX

To ensure the correct use of NOXI, NOXIMINDER and TRUE WHITE BOX have been developed - tools designed to monitor compliance.



NOXIMINDER



The patient app helps **remind** patients **to use NOXI** through discreet notifications and tracks progress toward usage goals over time.

TRUE WHITE BOX



The system allows the clinician to objectively verify the patient's compliance. Thanks to **colorimetric analysis** of the EVOSTRONG material, it detects color changes related to actual hours of use, regardless of cleaning habits.



WHAT YOU WILL RECEIVE FOR EACH NOXI CASE

The pouches containing the pairs of aligners are delivered in **practical stackable boxes, which allow for organized storage of the various cases** and are easy to manage when progressively delivering new aligners to the patient.

The patient will receive the NOXI package with a dedicated case and QR codes to access instructions for use, care, and cleaning of the aligners, as well as information on how to download the NOXIMINDER app.

Along with the first case, **we recommend ordering the True White Box**, designed to reliably detect color changes in NOXI aligners and monitor the patient's usage level.

Would you like to learn more about the features of NOXI aligners and learn about the tools that support the treatment? Contact your Product Specialist.



Stackable boxes to optimize space and reduce clutter in the office



True White Box:
the color-measuring chamber for use with the True White App.

NOXI CLINICAL CASES

Orthodontic treatment with Noxi aligners for the correction of dental misalignment in the anterior region

Courtesy of Prof. Luca Lombardo



Intraoral photographs taken
before the start of treatment



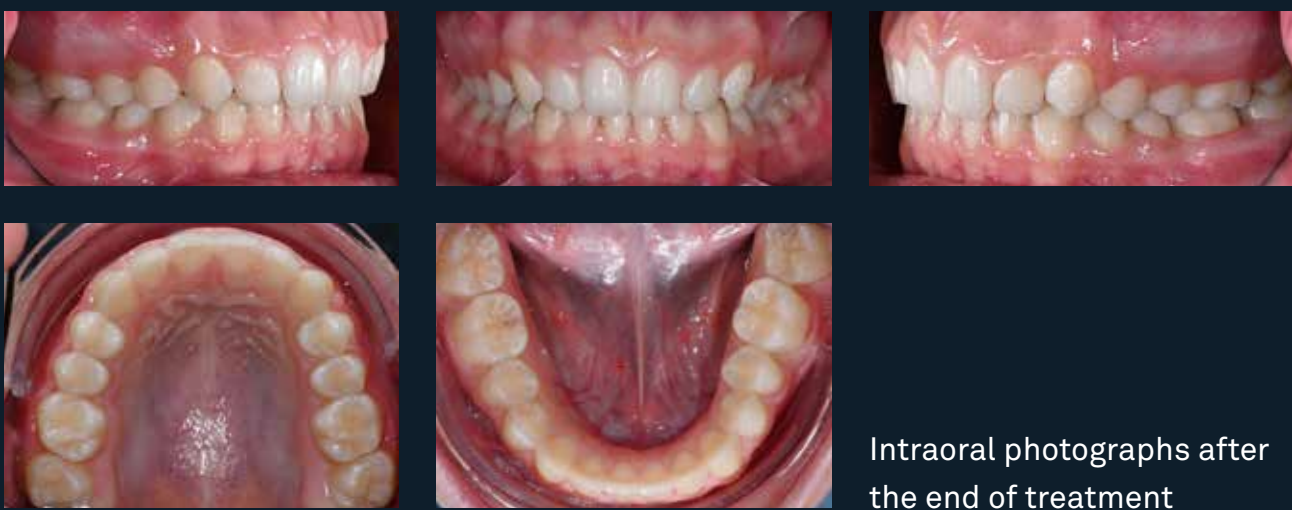
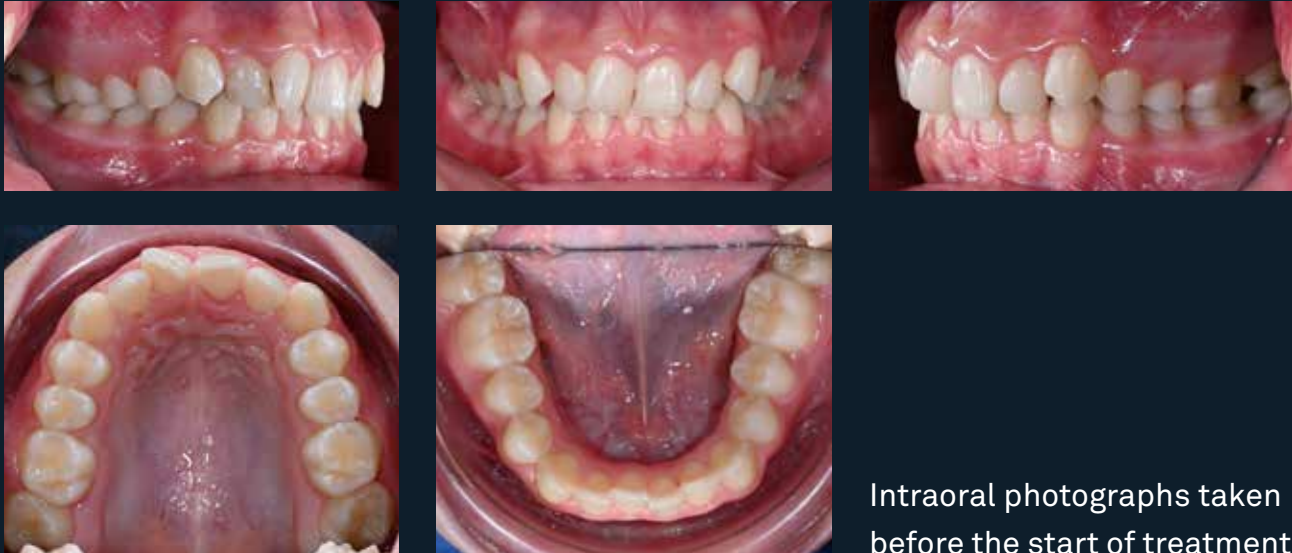
Intraoral photographs
during treatment



Intraoral photographs after
the end of treatment

Treatment with NOXI aligners and intermaxillary elastics for correcting dental crowding and improving occlusal relationships

Courtesy of Prof. Luca Lombardo



NOXI is supported by scientific evidence and a well-established body of literature.



Scan the QR code to view the dedicated **bibliography**

F22, THE ORTHODONTIC TREATMENT WITH CLEAR ALIGNERS ENTIRELY MADE IN ITALY

**F22 is a clear aligner system
consisting of thin, removable
orthodontic appliances,
custom-made from an
exclusive plastic material.**





The aligners allow for **the gradual and progressive movement of the teeth** from their initial position toward the optimal one, until **an aesthetically harmonious** and functionally correct bite is achieved.

WHY CHOOSE F22

BENEFITS FOR THE CLINICIAN



Optimal fit and predictable results

F22 allows clinicians to achieve a high percentage of the digitally planned corrections thanks to a precise fit, greater retention, and careful planning of orthodontic movements.

Light and constant forces thanks to Evoflex material

The aligner material plays a crucial role in the success of treatment. Evoflex is a layered material with a highly elastic inner layer, designed to improve control of tooth movements during the early stages of use.



Transparency and color stability

F22 is the first truly transparent aligner. Hand-finished to eliminate any structural defects, it offers a completely natural look.

Thanks to the Evoflex material, which is up to 300% more resistant to tearing and traction than other standard materials, it guarantees long-lasting transparency*.

*Lombardo L., Arreghini A., Maccarrone R., Bianchi A., Scalia S., Siciliani G. - Optical properties of orthodontic aligners. Spectrophotometry analysis of 3 types before and after aging; Prog Orthod 2015 Nov; 16:41

BENEFITS FOR THE PATIENT



Fewer follow-up visits and simpler management

The absence of wires and brackets reduces the number of follow-up visits and chair time. The patient will need to replace the aligners periodically as directed by the clinician.

Freedom in daily routines

The aligners are removable, allowing patients to eat without restrictions and maintain their usual eating and lifestyle habits.



Easier oral hygiene

The ability to remove the aligner allows for easier and more effective cleaning of your teeth.

Suitable for different ages and needs

F22 is recommended for patients aged 13 and older and offers an effective solution that preserves aesthetics and ensures functional results.



CASES TREATABLE WITH F22

With **F22**, it is possible to treat most adult and growing patients with:

- crowding;
- diastemas;
- Bolton index discrepancies that require prosthetic restorations or stripping for complete correction;
- irregular gingival festooning in patients with worn or irregular teeth;
- open bites or deep bites of mild or moderate severity.

F22 can be used to **treat a full arch** (one or two arches) or **to treat only the front teeth, from canine to canine** (one or two arches). In this type of treatment, cases involving extractions, occlusal modifications in the posterior regions, or significant shifts in the midline cannot be accepted.

Inclusion criteria

- F22 is suitable for patients with fully erupted permanent second molars;
- it may be appropriate to use auxiliaries and supplementary devices in combination with the aligners: buttons, elastics, attachments, divots, or other simple devices.



CROWDING



DIASTEMA



CROSSBITE



OPEN BITE



DEEP BITE

Condition	options
Teeth that have not fully erupted or mixed dentition	• Delay the start of treatment
Correction of true skeletal problems	• using a limited treatment to correct alignment, but not skeletal issues; • Align the teeth with F22 in preparation for surgery, then use fixed appliances before the surgical procedure

predictable movements	poorly predictable movements	unpredictable movements
Tipping	Distalization greater than 2 mm	radicular torque
Intrusion	Rotations exceeding 40° for incisors and 30° for molars	body movement

WHAT'S INCLUDED IN THE F22 KIT

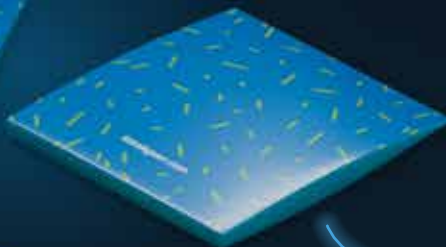
The aligner pairs are packaged in convenient stackable boxes, designed to ensure organized storage of cases and easy management during the progressive delivery of the aligners to the patient.

The package includes the **aligners needed for treatment, the F22 branded case, and the exclusive aligner carrying case** to be given to the patient.



Would you like to learn more about the features of the F22 aligners and learn about the tools that support treatment? Contact your designated Product Specialist.

Stackable boxes to optimize space and reduce clutter in the office



Aligners designed for alignment



F22 branded case

F22 CLINICAL CASES

Interceptive orthodontic treatment in mixed dentition with F22 aligners for the correction of class II malocclusion

Courtesy of Prof. Luca Lombardo



Intraoral photographs
before the start of treatment



Intraoral photographs
during treatment



Application of bilateral
intermaxillary elastics



Intraoral photographs after
the end of treatment

Treatment of dental crowding and anterior crossbite using F22 aligners

Courtesy of Prof. Luca Lombardo



Intraoral photographs
before the start of treatment



Intraoral photographs during treatment



Intraoral photographs after
the end of treatment

Combined orthodontic treatment using Carriere Motion and F22 aligners to correct class II malocclusion

Courtesy of Prof. Luca Lombardo



Intraoral photographs before the start of treatment



Intraoral photographs during orthodontic treatment with Carriere Motion and F22 aligners



Intraoral photographs after the end of treatment

F22 is supported by scientific evidence and a well-established body of literature in the field of aligner orthodontics.



Scan the QR code to view the dedicated **bibliography**

F22 PERFECTION, THE NEW FRONTIER IN TEETH WHITENING

F22 Perfection is the whitening system based on hydrogen peroxide to be used with retention trays after treatment with F22 aligners.

Why choose F22 Perfection

Enhances the aesthetic result

Helps create a brighter, more even smile, enhancing the results of orthodontic treatment.

No additional aligners

It is used with F22 retention aligners, without requiring any special devices.

Practical and comfortable application

The clear gel spray spreads evenly throughout the tray, does not drip, and has a pleasant mint flavor.

Clinically proven effectiveness

Years of research and clinical trials demonstrate the effectiveness of the whitening treatment, while ensuring full compatibility with F22 aligners.*



*Oliverio T., Cremonini F., Lombardo L., Siciliani G. - Tooth Whitening in Association with Clear Aligner Treatment, JCO September 2019; 508:517

RETENTION TRAYS TO MAINTAIN RESULTS

At the end of orthodontic treatment, retainer trays help preserve the achieved results over time, contributing to the stabilization of tooth position.

They are designed to fit perfectly in the mouth and are generally worn at night.

The Best Solution for Every Case

F22 Fix is the **retention solution developed for F22 cases**, designed to ensure stability and continuity of the results achieved through orthodontic treatment.

In NOXI cases, **the clinician can choose the most appropriate solution between F22 Fix and NOXI**, carefully evaluating the clinical needs, the characteristics of the case, and the patient's specific requirements.



THE **HYBRID APPROACH** FOR MANAGING COMPLEX CASES

For managing the most complex orthodontic cases, F22 and NOXI can be integrated with dedicated devices through a hybrid solution that **combines clear aligners and targeted auxiliary supports**.

This approach allows for **more effective treatment of severe crowding and complex movements**, while maintaining a limited number of aligners and reasonable treatment times.



The system incorporates small **lingual buttons** that support the movement not only of the crown but of the entire tooth, increasing treatment control and predictability even in the most challenging cases.



ALIGNERHUB, THE PORTAL FOR DIGITAL CASE MANAGEMENT WITH ALIGNERS

AlignerHub is Sweden & Martina's new portal dedicated to **managing cases with F22 and NOXI aligners**.

Through an intuitive interface and an advanced 3D viewer, clinicians can upload scans, define the clinical case, analyze the setup, and monitor every phase of treatment planning.



THE BENEFITS OF ALIGNERHUB

Centralized digital workflow

A single platform to manage all phases of orthodontic treatment with aligners: from uploading scans to approving the setup and monitoring the clinical case.

Advanced 3D viewer

Thanks to 3D treatment simulation, clinicians can analyze tooth movements, evaluate the treatment setup, and monitor every stage of planning.

Maximum operational flexibility

AlignerHub offers different workflows to suit the professional's needs: tutor support for guided management or complete autonomy in modifying the treatment setup with *my*design.

More efficient communication

The platform optimizes communication between clinicians and tutors through an integrated workflow that simplifies case reviews, approvals, and updates.



Scan the QR code and sign up for **Digital Orchestra**, the portal dedicated to all of Sweden & Martina's digital services, including **AlignerHub**.

THE DIGITAL WORKFLOW FOR CASE PLANNING

1

Case Upload

The clinician logs into the platform and uploads intraoral scans, photographs, and the clinical information needed for treatment planning.

2

Creation of the digital setup

The scans and clinical data are processed to develop the digital treatment setup, planning tooth movements and designing the aligners.

3

Review of the digital setup

Once the setup has been processed, the clinician can choose from **three different modes** for managing and finalizing the setup:



Direct approval

Case confirmation



Review with tutor support

Request to modify the setup with tutor support

New view of the updated setup



Independent editing via *mydesign*

Self-directed adjustment of tooth movements using *mydesign* within the portal

New view of the updated setup

Approval of the treatment plan and start of the production phase

ORTHODONTIC INFORMATION DAYS

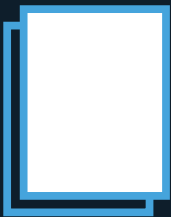
THE MOST EFFECTIVE WAY TO ATTRACT NEW PATIENTS TO YOUR PRACTICE

Organizing a day dedicated to aligners is an effective way to **present the treatment to patients and generate new cases** for your practice.

Sweden & Martina provides useful informational materials to invite patients to the practice, offering them an **intraoral scan and a preliminary case evaluation**.

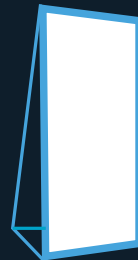
For clinicians who do not have an intraoral scanner, the device is also made available free of charge, with support from a specialized operator.

During the event, the clinician will receive:



Personalized flyers

with the event date and your practice's information and contact details



Roll-Up

dedicated to the event to be placed in the practice's waiting room.



Video for the waiting room



Demonstration model of the aligner



Informational brochures for patients about the NOXI and F22 aligners

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To organize an **orthodontic information day** at your practice, contact your assigned Product Specialist.

HIGHLIGHT THE VALUE OF CLEAR ALIGNERS IN THE WAITING ROOM

Show videos about orthodontics with aligners to help patients understand the value of this treatment.

HOW TO DOWNLOAD THE VIDEOS FOR THE WAITING ROOM

1

Access the link from your computer:

<https://qrco.de/clinic-materials>

2

From the drop-down menu,
choose the content you prefer.

3

Select the language and
proceed with the [download](#).



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F22 PERFECTION is a cosmetic product compliant with Regulation (EC) No 1223/2009.

NOXI is a custom-made device in accordance with Regulation (EU) 2017/745 (MDR). Sweden & Martina is registered with the Italian Ministry of Health as a manufacturer of custom-made devices. The statement provided to the customer certifies that the custom-made devices comply with the general safety and performance requirements.

The Sweden & Martina manufacturing facility produces medical devices in compliance with ISO 9001 and ISO 13485 standards.



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