



TRANSITIONS

...4 years passed incredibly fast since we have published the last edition of Smile Line's general catalogue! 4 years during which we could realize that our society is now facing huge challenges and exceptional changes on many aspects.

It is for us an immense happiness to get back to you today with a new catalogue that gathers all the novelties developed and launched during the past few years.

Since almost 30 years, Smile Line has been considered by the industry a pioneer and a leader for highly exclusive products, for their quality and innovative aspect. 2023 will quickly show to be a milestone thanks to the new and revolutionary concept Optishade (digital shade measurement of teeth colors - featured on p. 44 to 47) that required years of development.

Yes, digital color measurement of teeth is today one of the great challenges in our branch and we are incredibly proud and happy for having succeeded, with our Partners from Styleitaliano, in setting new references at such high level with Optishade.

We are very excited to accompany you in this discovery via the workshops that we organize in our education center. (Information regularly updated on www.smileline.ch)

wishing you pleasant reading and with all our best from Switzerland!

Olivier Schaeren CEO & Founder « With Optishade, we stand far beyond a simple transition: we are talking here of an unbelievable revolution that opens a window onto a completely new and fascinating world! »





I CREATE... WE CREATE



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OPTISHADE

DIGITAL SHADE MATCHING: DIGITAL COLOUR IN THE PALM OF YOUR HANDS!





For as long as anyone can remember, developers and passionate dental professionals have been trying to find alternatives to the use of commercial dental shade guides. The best solution so far has been to create individualized samples and shade guides out of the actual materials used, either ceramic or composite. In the present, most of dental shade matching is still analogue and needs to be backed up with a lot of experience from the practitioner for a reliable interpretation.

OPTISHADE STYLEITALIANO provides a new solution for shade matching that surpasses all the other digital color measurement devices on the market with its accuracy and repeatability!

The measured shade is communicated in L*a*b* coordinates, universal values in the world of colorimetry, very intuitive and easily interpretable by the user.

These L*a*b* coordinates are either:

- interpreted by the user
- used as a comparison with the commercial shade guides databases in the OPTISHADE STYLEITALIANO.
- or exported to the Matisse software, which will calculate for you all the recipes and ceramic powders mixings necessary for the given case

The L*a*b* in the dental field SIMPLIFIED FOR BEGINNERS:

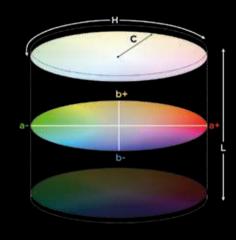
Almost ANY tooth color that you can see is simply a mix of grey **Luminosity (L*)**, red (a*) and yellow(b*). Optishade measures these 3 values (coordinates) with high precision and repeatability.



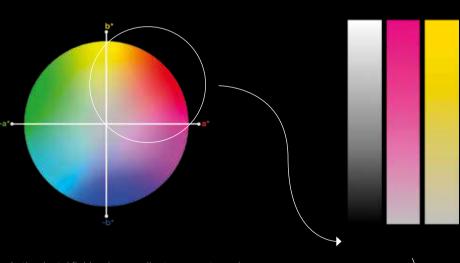


READING COLOR

The L*a*b* color space describes numerically all colors in three dimensions. L* is for Luminosity a* and b* for the color-axis green-red and blue-vellow, respectively.

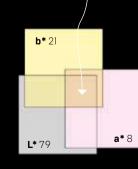


- L* scale: Light vs. dark, 100 is white
- **b* scale:** Yellow vs. blue, where a positive number indicates yellow, and a negative number indicates blue.
- a* scale: Red vs. green, where a positive number indicates red, and a pegative number indicates green



In the dental field, color coordinates are extremely easy to read, as we virtually only have to focus on Luminosity (L^*) , red (a^*) and yellow (b^*) . It is very uncommon to "visit" the negative numbers.

The L*a*b* scale rises above language barriers enabling anyone to easily communicate color independently of the device, and it provides the necessary information to calculate color differences.





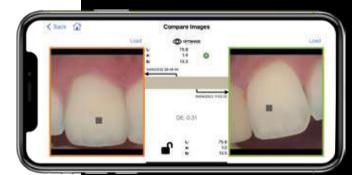
Optishade color measurement of the substrate



Optishade color measurement of the adjacent natural tooth



Compare function on the Optishade app: on the right the natural tooth, on the left the crown



Final result in one attempt. The dental technician never saw the patient



OPTISHADE SET



| Description | N° Art. |
|---|----------|
| Optishade Full set | 70100-0S |
| Optishade Capture Guide Cone (5pcs) | 70110-0S |
| Optishade Calibration Cap (5pcs) | 70120-0S |
| Optishade Hardcase (optional) | 70130-0S |
| Optishade Usb-c cable (for ipad pro) (optional) | 70140-OS |

OPTISHADE + MATISSE THE WINNING TEAM!



MATISSE is a software embedded with comprehensive data and artificial intelligence technology to make dental shade matching easy.

You can import the color files from OPTISHADE STYLEITALIANO and Matisse will translate them into simple **ceramic recipes**; will provide you step-by-step solutions for any aesthetic restoration: Aesthetic model-Framework advice- dentin recipes-internal effects-skin enamel.

MATISSE also includes a **FULL MONOLITHIC STAINING STUDIO**, to achieve a perfect shade match extremely easy!

This feature creates staining recipes that you can use for micro-layering, full monolithic crowns and to make color corrections after the first bake with the internal staining technique.



Only compatible with:

Made for PiPod PiPhone PiPad



New era for dental photography!

Smile Lite MDP2 is a plug & play device that is very easy to use and that doesn't need any special App, calibration process or specific education. It will allow you to drastically improve your results with the camera of your smartphone... very easily.

Soon it will become a mandatory tool for you:

- photos for shade taking
- every day communication with the lab
- short video clips



Smile Lite MDP2 can be considered a "mini photo studio". It is equipped with three groups of latest generation « sunlike » LEDs (light emitting diodes): each group can be lit up individually, while you also have the possibility to set the power of illumination thanks to a dimmer (four different steps of power).

The back of Smile Lite MDP is equipped with a universal handle / adapter that is adjustable for any model of smartphone having a width between 55-85mm. For matching all tastes and preferences, you will also receive a second phone adapter with no handle.



SMILE LITE MDP2 ACCESSORIES



Light Diffuser

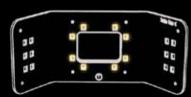
surface texture more prominent.



Polarizing Filter

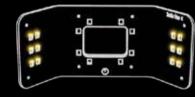
teeth and helps to determine the

The different lightings



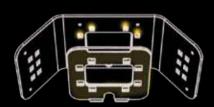
...and the results













MESSAGE OF THE INVENTOR

Dear colleagues, dear friends,

After some 5 years of experiments with the use of smartphones in dental photography, I had the opportunity to start the development of Smile Lite MDP2 with the community Styleitaliano and the Swiss company Smile Line SA.

It is a huge pleasure and pride for me to introduce you a tool that development was 100% focused on dental photography with smartphones (MDP2 = mobile dental photography). Smile Lite MDP2 is a total revolution for dental photography because of its extreme simplicity of use, the professional results it is possible to reach and also because of its economical aspect.

When making the comparison with photography with an SLR (single lens reflex) camera, the Smile Lite MDP2 can be described as **a mini photostudio** that is able to cover the major needs of the user for:

- A ring flash
- A dual flash
- Photography with softbox
- Photography with a polarizing filter
- Photography using softbox and polarizing filter combined
- Short videos

In the previous page, you can discover a few examples of images that highlight the amazing possibilities when using a smartphone with Smile Lite MDP2. After a very short time of tests and training, you too will be able to achieve such highly professional pictures.

Today on my opinion dental photographies are mandatory in every dental office for the communication with a patient and with the lab and of course for your own patients' documentation! Smile Lite MDP2 has reached such a level or simplicity that it would be a pity to do without it.

I invite you to be curious, to enjoy playing with light and shadow and discover the phenomenal possibilities of the cameras on today's smartphones.

Wishing you a lot of pleasure at your first steps with Smile Lite MDP:

Sincerely

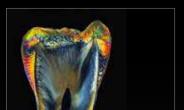
Prof. Louis Hardan DDS, CES, DEA, PhD

Department of Restorative and Esthetic Dentistr' Saint-Joseph University, Beirut, Lebanon















| Description | Item no. |
|----------------------------|-------------|
| Smile Lite MDP2 Master Set | 6700-Master |



| Description | Item no. |
|--|------------|
| Smile Lite MDP2 Basic Set Without Polarizing Filter & Light Diffuser | 6700-Basic |





SMILE LITE

SHADE MATCHING FOR THE SPECIALIST

Without the proper tool, shade-taking can become very risky and cause a source of failures when producing an aesthetic restoration. Several factors can influence an incorrect perception of true colors, like ambient light (intensity, quality) and the working environment. Even human factors like the level of stress or fatigue on the eye can cause shadetaking errors.

Smile Lite is a revolutionary tool which brings you reliability, simplicity and efficiency – it allows you to drastically reduce the risk of mistakes during shade-taking.

Equipped with 5500°K LEDs (light emitting diodes), Smile Lite provides natural and neutral light, stable and reliable regardless of the time of the day or the weather outside. A Li-lon battery is integrated meaning that the device is easily rechargeable thanks to the mini-USB cable (cable and charger supplied in the set).

Light quality of Smile Lite allows you to determine with ease and security the hue, value and chroma of natural teeth.

The rectangular view finder through which the operator observes the teeth clearly limits the "working area" in order to avoid any outside interference.

This "magical" filter amazingly annihilates light reflection (specular and diffuse) and allows the user to observe the teeth in a totally **new way:** easier appreciation of color, better understanding of the depth and transparencies, enhancement of the tiniest details and characterizations.

Observe teeth as you have never seen before!







With Style Lense polarizing





| Description | Item no. |
|--|----------|
| Smile Lite, complete set incl. Style Lense polarizing filter | 6500 |
| Polarizing filter Style Lense | 6510 |

K-LITE

WHY K-LITE ?

rials can be distinguished from tooth tissue. Therefore, significantly

- its use in dental trauma (Splint) and/or in the so-called Fluorescence-

the invisible visible

| Description | Item no. |
|---|----------|
| K-Lite, Complete set | 3000-KL |
| K-Lite light guide | 3010-KL |
| K-Lite disposable protective sleeves, 200 pcs | 3011-KL |



Without UV light it's not With K-Lite's UV light the





Without K-Lite: no possible With K-Lite: visibility of the







Presence of pigments due Control after removal of







- Flexipalette can be sterilized in autoclave at 135°C
- Flexipalette is absolutely opaque and reflection-free
- Flexipalette is gentle and soft in the patient's mouth
- Flexipalette can be folded in a 30° to 45° degree angle



















A must have for intra-oral photography!









PHOTOCAD

A NEW GENERATION OF RETRACTORS





The innovative design of the Photo-CAD retractors allows for the best results with photography of the 4 quadrants and during digital impressions with Cad CAM systems. Photo-CAD can be ergonomically folded and adapted to the patient's mouth and to the needs of the photographer. They have a soft surface for the patients' best comfort. The material is opaque, reflection-free and can be sterilized.

Photo-CAD LOW is a totally unique tool which allows for the retraction of both the cheek and the tongue in the same use during an "occlusal" image capture of a lower quadrant. It allows to make the arch free by keeping aside the soft tissues. Photo-CAD LOW also makes optical scanned-impressions of lower preparations easier.

Photo-CAD UP is a cheek retractor which can be used every day. Its function when in use for dental photography will be to retract the vestibular soft tissues in the area upper pre-molar/ molar during "occlusal" image capture. It will be of great help too during optical scanned-impressions for Cad-CAM systems.

| Description | Item no. |
|-------------------------|----------|
| Photo-CAD, set of 3 pcs | PC-3100 |

SIDEKICK

IMPLANT DRIVERS CLINIC



Nobel Biocare Straumann Compatible driver Compatible driver D-400-NOB-S, 8 mm D-400-STR-S, 8 mm D-400-NOB-M, 13 mm D-400-STR-M, 13 mm

D-400-STR-L, 25 mm

3i1



D-400-NOB-L, 25 mm

Friadent Compatible driver D-400-FRI-S, 8 mm D-400-FRI-M. 13 mm D-400-FRI-L, 25 mm



Compatible driver

D-400-iii-S, 8 mm

D-400-iii-M, 13 mm

D-400-iii-L, 25 mm



Compatible driver D-400-SPI-S, 8 mm

D-400-SPI-L, 25 mm





D-400-1.4-S, 8 mm D-400-1.4-M. 13 mm **D-400-1.4-L**, 25 mm

Flat driver 1.4 mm



Astra Tech Compatible driver D-400-AST-S, 8 mm D-400-AST-M, 13 mm D-400-AST-L, 25 mm



Camlog Compatible driver D-400-CAM-S, 8 mm D-400-CAM-M, 13 mm D-400-CAM-L, 25 mm





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Sidekick's box of screwdrivers for implantology gathers 9 models (each available in 3 lengths) that are compatible with the most popular implant systems length of driver needed.

Thanks to the wide choice of proposed geometries, in 99% of the cases you'll find a compatible model with other brands of implants' screws. A smart clipping mechanism allows you to quickly assemble/disassemble the driver's tip and the (very compact) head.

For completing the concept, Smile Line has created a special clamp forceps which tip is perfectly designed to match the profile of the driver's head for extra tightening or difficult un-tightening. Its use is extremely comfortable with a direct access to the head's side without removing the driver from

the three sizes (27 tips + 1 head).

you may order all the components individually.

on the market. The aim is that you have available, anytime and immediately THE correct model and

Smile Line's box of implant drivers is available in two executions: the "basic" set that includes one driver tip of each in the medium size (9 tips + 1 head) or the "master" set that includes one driver tip of each in

Should you prefer to compose your own customized box,



Ergonomic, universal and comfortable.



| Description | Item no. |
|---|--------------|
| Sidekick implant drivers set, inclu. 9 tips 13 mm, 1 head, aluminium box | D-430-Basic |
| Sidekick implant drivers set, inclu. 27 tips (8-13-25 mm), 1 head, aluminium box | D-430-Master |
| Sidekick aluminium box, empty | D-499 |
| Penlacement o'ring for driver's head 5 ncs | D-403 |

SIDEKICK CLAMP FORCEPS

The design of its jaws allows lateral access and grip of





DYNAMOMETRIC KEY

Adjustable: 15 / 20 / 25 / 35 Ncm



Note: owners of an original Strau-



Thanks to veneerME, you'll be able to carry and ship and also manipulate your hyper-delicate veneers in the highest conditions of security!

Maximum security for your veneers.

THE STICKY POLYURETHANE GEL-PAD

The base of veneerME box is covered with a sticky pad out of polyurethane gel. Veneers are placed on this pad on their buccal surface, and adhere naturally. All the preparation process of the internal part of the veneer (acid etching, salinization) can be done in this position without any fear of a veneer escaping or falling on the floor. The pad's material is super resistant and can be re-used several times (it is easily replaceable in case of deterioration).

THE SECURITY MEMBRANE-FRAME

Once the veneers are secured on the pad, the membrane-frame is clipped on the base of veneerME box for extra fixation. The xx-thin membrane, made out of nylon, delicately adapts to the shape of the veneers. This done, you just need to close the lid and your master work is ready for delivery. The membrane-frame can be replaced -if needed- after having been used several times.

HUGE ADVANTAGE: THE MEMBRANE IS PERMEABLE! In other words the clinician can proceed with rinsing and drying after having replaced the membrane-frame on the base. This way the clinician can work in the best conditions and in total security.



| Description | Item no. |
|---|----------|
| veneerME, set of 3 complete boxes, 3 spare PU pads and 3 spare membrane-frames | 2600 |
| veneerME, spare PU pads (10 pcs) | 2610 |
| veneerME, spare membrane-frames (10 pcs) | 2620 |
| veneerME, Mini-set of I complete box, I spare PU gel pad and I spare membrane-frame | 2600-1 |









HOLDING GEL

Gel for temporarily fixation.

A small drop on the die is enough for holding very well -

This gel is essential for checking the contact points, for the application of correction powders with great ease and for restorations that oppose each other.









MY SHADE GUIDE FOR COMPOSITES

EASY MAKING OF DENTINENAMEL SAMPLES

Thanks to the special design of the two-parts mould, you have the possibility to produce very easily and in a professional way your **composite teeth** samples dentin-enamel.

A small portion of enamel is placed in the first mould, then pressed with help of the second mould which is in fact presenting a positive shape of dentin. Result after light-curing of this first step will be a composite veneer out of enamel material. The second step will need the filling of the hollow part of the veneer with the selected shade of dentinal composite material. Simple, fast and professional!

Two sets are proposed (Minikit and Masterkit), offering both the needed accessories for the production of your customized shade guide.

















SAMPLER

nis very precise tool allows you to produce composite tabs from your personal materials in a very simple and professional way. Thanks to the graduation, you can decide of the thickness of your samples.

Should you wish, black tablets out of laminated card stock exist and give your the possibility of gluing and indexing all your tabs for complete customization.

Sampler for composite tabs.



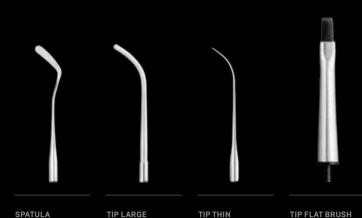
Transparencies according to



| Description | Item no. |
|------------------------|----------|
| | 7015 |
| Indexing tablet, 5 pcs | 7016 |

COMPO-VIBES

SMART VIBRATIONS!











| Compo-Vibes Basic Set: Compo-Vibes unit with one instrument "Tip medium" Compo-Vibes Master Set: Compo-Vibes unit with 4 instruments: "Spatula, Tip large, Tip medium, Tip thin" Set of 4 instruments: "Spatula, Tip large, Tip medium, Tip thin" O3010-CV Spatula, 2 pcs O3011-CV Instrument "Tip large", 2 pcs O3012-CV Instrument "Tip medium", 2 pcs O3013-CV | |
|--|--|
| "Spatula, Tip large, Tip medium, Tip thin" Set of 4 instruments: "Spatula, Tip large, Tip medium, Tip thin" O3010-CV Spatula, 2 pcs O3011-CV Instrument "Tip large", 2 pcs O3012-CV Instrument "Tip medium", 2 pcs O3013-CV | |
| Spatula, 2 pcs 030II-CV Instrument "Tip large", 2 pcs 03012-CV Instrument "Tip medium", 2 pcs 03013-CV | |
| Instrument "Tip large", 2 pcs 03012-CV Instrument "Tip medium", 2 pcs 03013-CV | |
| Instrument "Tip medium", 2 pcs 03013-CV | |
| | |
| | |
| Instrument "Tip thin", 2 pcs 03014-CV | |
| Compo Brush, spare flat tips for Compo-Vibes #Anterieur (30pcs) 4651-CV-ANT | |
| Battery AAAA I,5 V 01030-MV | |
| Disposable protective sleeves, 200 pcs 3011-KL | |



COMPO-BRUSH

COMPOSITE STAINING

The Compo-Brushes developed with Styleitaliano are intended for composite staining.

Their black synthetic fiber allow for **extreme precision with the best** contrast. A working quality superior to standard brushes you find normally in the composite kits. Brush tips hold by friction on their handle.

#000 Posterior brush tip can easily be bent by the user for a better access to the posterior areas.

Compo-Brush set contents two complete brushes and two replacement brush-tips of each model. Single brushes as well as brush tips refills are available separately.

| Description | Item no. |
|---|-----------|
| Compo-Brush, set of 2 brushes and 2 spare tips ea. (2 x ANT & 2 x POST) | 4650-Set |
| Compo-Brush, tips #000 for posteriors (50 pcs) | 4651-POST |
| Compo-Brush, flat tips for anteriors (50 pcs) | 4651-ANT |







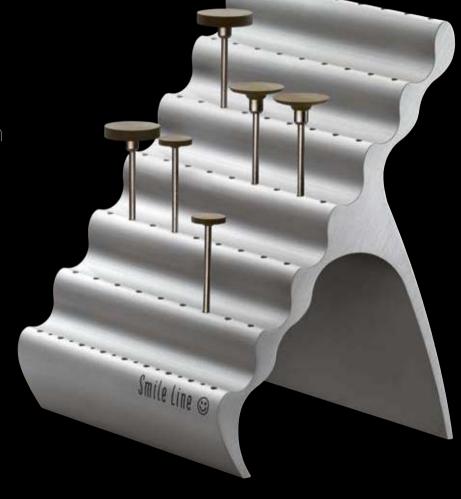


ORGAN.EZ

ORGAN.EZ allows you to **systematically arrange** your burs, diamonds, polishers

Made out of **solid aluminium**, ORGAN.EZ is very stable where you place it. For a

Solid aluminium burstand.



SILICONE MOULDS

N-ARCHITECT ANTERIORS





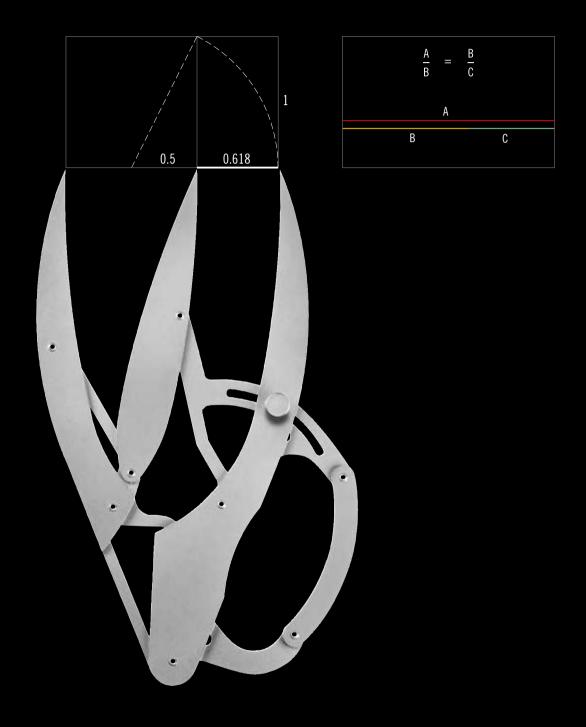
The **ANTERIOR** assortment is a collection of beautiful basic shapes: triangular, oval, rectangular and includes a universal lower anterior



GOLDEN SECTION DIVIDER

The golden proportion is a ratio which result is called mathematically Phi [l.618] or phi [0.618]. It is proven that **the universe uses this proportion for its own construction**, from the genetic sequences up to the level of galaxies, passing by construction of flowers, insects, a hand, a face or the whole body.

As we are able to divide a line by its middle or draw a perpendicular, we all recognize the Golden Proportion as a constant for harmony and balance.

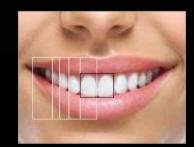


| Description | Item no. |
|--|----------|
| Golden Section Divider set, including an assortment of 6 grids blocs, instructions | 6010 |

For the determination of the Golden Proportion.

- 2 3 5 8 13 21 34 55 89 144 233 🛂 7 610 987 1597 258

1765 16946 W



FASCINATING TOOL

Golden Section Divider will **allow you to easily assimilate "physically" the concept.** Slightly or widely open, the Golden Section Divider indicates always two segments respecting the golden proportion. Made out of the highest quality stainless steel and very carefully assembled by hand, the divider is a wonder of precision mechanics. It is supplied together with an assortment of the very useful blocs of grids and of course with instructions of use.



THE GOLDEN PROPORTION IN DENTISTRY

Many studies mention the golden proportion as being one of the ingredients for the harmony of a smile and dentition (see images). The Golden Section Divider and the grids allow you to discover in a few seconds the theoretical ideal goal in comparison to the real situation in the mouth. These information are very exciting and very useful for:

- aesthetic anterior cases
- dentures
- positioning-angle-axis of teeth
- gingivectomy
- wax-up control



The "Golden Section Grids" printed on paper (assortment of blocks supplied in the kit) are very useful for registrations in the mouth of a patient as well as when working with a model.

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STYLEITALIANO

MORE THAN JUST AN INSPIRATION FOR US

The study group Styleitaliano started with a meeting between two friends, Dr. Walter Devoto and Prof. Angelo Putignano, both worldwide renowned experts in restorative aesthetic dentistry. Their goal is to share with the most people simple and proven techniques allowing everyone to improve and tend towards success.

Since then, the study group met a huge development for becoming one of the most respected and followed group internationally.

WWW.STYLEITALIANO.ORG

WWW.FACEBOOK.COM/STYLEITALIANO

Smile Line and Styleitaliano met in 2011. While we were focusing on the development of tools and accessories dedicated to the dental laboratory, Styleitaliano allowed us -thanks to their innovative and brilliant ideas- to open the door of dental offices.

We wish to express here our warm thanks to every person in the Styleitaliano group for their kindness, availability and humility.





