







air polishing

COMBI touch

stop all that stuff

There are countless instruments you currently use during an ordinary prophylaxis treatment: curettes, scalers, contra angles, polishers, pastes – wouldn't it be perfect if you could have them all in one?

▶ start all in one

Well, now you can: the combi *touch* combines ultrasound and air polishing in one unit – it allows complete prophylaxis treatment from removal of supragingival and subgingival calculus to gentle removal of stain and biofilm and even implant cleaning.



supra and subgingival

ergonomic touch

Due to the ergonomic

literally no time.

touch panel, you control

panel

Easily switch during the treatment between supra and subgingival air polishing by simply pressing prophy or perio button.

clogging protection

Once the unit is switched on, the tubing remains clean by a consistent stream of



COMBI touch



► led handpiece

The 360° rotatable LED cone of the ultrasound handpiece lets you set the light focus on the insert tip in every situation – regardless of the insert shape.

refill function

Thanks to the exclusive "refill" function, you can easily remove the powder chambers without switching the unit off, for fast and efficient maintenance.

▶ irrigation system

Two irrigation lines for the ultrasound system, tap water or 500 ml bottle for flexible use of water or medicinal solutions.

► SOFT MODE

mectron innovative SOFT MODE avoids excessive ultrasound oscillation, allowing a gentle and efficient insert movement. Results: nearly painless treatment for patients and maximum comfort for clinicians. All efforts are perfectly met.





▶ 3 different air polishing handpieces

Always best access - 90° and 120° angled handpieces for supra- and subgingival use in periodontal pockets up to 5 mm depth.

The PERIO handpiece equipped with the disposable sterile Subgingival Perio Tip provides optimal access in pockets deeper than 5 mm.

Each handpiece is easily attached with just a click and is safely fixed, thanks to a dedicated security connection system.













► 500 ml bottle

The illuminated bottle-system lets you use different liquids (e.g. chlorhexidine in perio or sodium hypochlorite in endo).

2 removable powder chambers

Thanks to the refill function, powder chambers are easily removable for flexible use of supra-gingival powder (prophy) and subgingival powder (perio).

Subgingival Perio Tip

Flexible and soft - the subgingival, disposable Perio Tip will come sterile and gets simply attached to the perio nozzle by hand.

wide range of treatments

There are more than 45 ultrasound inserts available – for scaling, perio, endo and restorative treatments.

► PULSE MODE

The PULSE MODE transforms the ultrasound oscillation to a new profile – which results in an optimized performance for extractions and prosthetics.



stop occasional prophy treatments

Prophylaxis treatments are performed occasionally in many practices – however, this part of your job is quite lucrative?

▶ start from 9 to 5

Why not do this all day long? combi or turbodent are your air polishing units for doing more prophylaxis treatments than ever before: both units feature a large powder chamber, which is sufficient for more than 3 patients, in most cases – and the non-clogging nozzle construction puts them among the most reliable units on the market.





supra and subgingival

Easily switch between supra and subgingival air polishing by pressing one button.

controlled powder jet

Powder and water travel separately until they reach the nozzle: as a result the water surrounds the jet of powder and air and prevents powder dust.

簫

combi

Air-Polishing

mectron

clogging protection

The tubing is cleaned by a permanent air stream – and once the handpiece is placed into the cradle, a pressure release is automatically triggered, which empties entirely the tubing.

various treatments

There are more than 45 ultrasound inserts available – for scaling, perio, endo and restorative treatments.

► large powder chamber

The large powder chamber guarantees you the maximum efficiency.







COMBI + TURBODENT

STARJET*

stop limitations

A typical scenario - you complete the supragingival air polishing with your turbine-adapted handheld unit and your next step is subgingival cleaning but your unit is not intended for this use.

▶ start flexibility

With the starjet, these limitations no longer exist. With the flexibility of choosing the appropriate powder, you can easily switch from supra- to subgingival by simply turning the selection ring between prophy and perio. Not flexible enough? You can also select your preferred nozzle, with three options.



► 3 different nozzles, two lengths

stariet

Always best access - 90° and 120° angled spray nozzles for supra- and subgingival use in periodontal pockets up to 5 mm depth. Perio

patent pendin

The Perio nozzle equipped with the disposable sterile Subgingival Perio Tip provides optimal access in pockets deeper than 5 mm.

The optional nozzles are also available in two lengths, for greater efficiency and flexibility. Just one click connects the nozzles safely to the air polishing handpiece, thanks to a dedicated security connection system.



transparent powder chamber

For the best powder level visibility.

easy filling

Refills are clean and simple due to the lateral opening of the powder chamber. No balancing act or messy spills.



► 7 different turbine adapters

- Bien Air Unifix and Unifix L
- KaVo multiflex and multiflex lux
- Sirona R and B
- W&H Roto Quick and Roto Quick lux
- NSK
- Midwest
- Borden



Subgingival Perio Tip

Flexible and soft - the subgingival, disposable Perio Tip will come sterile and attaches easily to the perio nozzle by hand.



exclusive twist ring for powder selection

Reach the maximum flexibility as it can be used supra- and subgingival.



stariet

CE

perio



AIR POLISHING POWDERS

stop too much choice

The number of powders for dental use is countless - how on earth could you possibly find exactly the one you need to achieve the best results?

▶ start always the right choice

Here's a tip: just go for the well-known mectron quality. Our specially developed air polishing powders not only come with a hydrophobic effect, which prevents clogging perfectly – but, more importantly, they also guarantee perfect air polishing results.

INDICATIONS	INTENSE	smooth	SOFT	SENSITIVE
SUPRAGINGIVAL BIOFILM REMOVAL				
REMOVAL OF STAINS AND PIGMENTATIONS				
SUBGINGIVAL BIOFILM REMOVAL				
PERIODONTAL POCKET DETOXIFICATION				
IMPLANT MAINTENANCE				
PERI-IMPLANTITIS TREATMENT				
FIXED ORTHODONTIC APPLIANCES				
PREPARATION FOR WHITENING				
CLEANING OF PROSTHESIS AND RESTORATION MATE- RIALS			\bigcirc	
CLEANING OF CAVITY MARGINS BEFORE ETCHING				
CLEANING OF FISSURES BEFORE SEALING				
RESTORATION MAINTENANCE				



MECTRON

ASED ON SODIUM BICARBONAT

LEMON TAST

mectron

20g€

Hiles

PROPHYLAXIS POWDER INTENSE

effectively removes supragingival biofilm and stubborn extrinsic stains on the enamel surface (sodium bicarbonatebased - average particle size less than 120 μm)

- Indications:
- Removal of stains and extrinsic discolorations due to smoke, wine, tea and coloring agents
- Cleaning of fissures and cavities
- Removal of partially mineralized deposits



SMOOTH

MECTRON PROPHYLAXIS POWDER SMOOTH SMOOTH Mate on CALCIUM CARBONATE NEUTRAL TASTE

PROPHYLAXIS POWDER SMOOTH

gently removes, thanks to its spherical shape, supragingival biofilm while respecting the surrounding tissues (calcium carbonate-based - average particle size between 45 µm and 75 µm)

Indications:

- Teeth cleaning to a shiny finish, while avoiding enamel damage
- Allows better access to the areas difficult to reach
- Aids in reducing the PH acidity in the mouth
- Reduction in aerosol effect and risk of device clogging
 Sodium and silicon (SI) free
 The absence of sodium makes it possible to treat patients maintaining a salt-free diet





PROPHYLAXIS POWDER SOFT

gently and effectively removes supragingival biofilm and stains on the enamel surface (sodium bicarbonatebased - average particle size 40 µm)

- Indications:
- Removal of stains and extrinsic discolorations due to smoke, wine, tea and coloring agents
- Cleaning of fissures and cavities
- Cleaning of orthodontic brackets

SENSITIVE

PROPHYLAXIS POWDER SENSITIVE – GLYCINE POWDER *

gently removes supra and subgingival biofilm (glycine-based - average particle size 25 µm)

Indications:

- Mild pigmentation and stain removal
- Periodontal pocket detoxification
- Periodontal maintenance
- Implant maintenance and
- treatment of peri-implantitis
- Orthodontic patient maintenance
- Gentle cleaning of restoration materials and comfortable treatment on exposed root surfaces
- Reduction of bacteria colonyforming units (CFU)
- Can be successfully used for the treatment of each type of patient

* available only in Europe

MECTRON

BASED ON GLYCINE NEUTRAL TASTE

+++ = = 0

AIR POLISHING POWDERS

FEATURES



TOUCH PANEL • ergonomics of control • easy cleaning

SUBGINGIVAL PERIO TIP

CLOGGING PROTECTION





PERIO FUNCTION Reduces the air pressure for a safe subgingival treatment.

• the water surrounds the jet of powder and air to

HANDPIECES AND SPRAY NOZZLES

• fully sterilizable, 360° rotating head

powder and water travel separately

• just a click to connect

prevent powder dust

SILICONE PROTECTOR

• prevents any pollutant entry

• protects teeth

fully sterilizable

detachable



SUPRAGINGIVAL USE For comfortable cleaning of supragingival, enamel covered dental surfaces.



SUBGINGIVAL USE For gentle cleaning of subgingival dental surfaces up to 5 mm pocket depth, restorations and implant surfaces.

For gentle cleaning of periodontal pockets greater

Perio Tip is flexible and is easily attached by hand.

than 5 mm depth. The disposable sterile Subgingival





























REMOVABLE POWDER CHAMBERS Both powder chambers can easily be removed for cleaning.

Once the unit is switched on, the tubing remains

clean by a consistent stream of light air.













ERGONOMIC TWIST GRIP AT THE POWDER CHAM-BER CAP Easily opens and closes.

REFILL FUNCTION

Releases the air pressure of the powder chambers, without switching the unit off. Allows to open or remove the powder chambers, for a fast and efficient refill and maintenance.



FEATURES



CLEAN/FLUSH FUNCTION

The clean function is activated at the press of a button: the air and water tubes will be cleaned automatically.





PRESSURE CONTROLLER • enables air input pressures between 4 and 8 bars

• enables water input pressures between 1 and 6 bars





CONDENSATE SEPARATOR Ensures dry air.





WATER FILTER

• prevents the passage of suspended particles • water filter is easy to clean without needing any tools



HEATED WATER The water will be heated to a physiologically comfortable temperature.





• flexible use of medicinal solutions

- upright positioned (no leakages)
- easy connection





- LED HANDPIECE • 360° rotatable light,
- focus at the insert edge regardless of the insert shape • prevents the "fog" effect due to the cavitation of
- the irrigation, no dazzling



Whenever needed mectron's innovative SOFT MODE reduces the amplitude of the ultrasound oscillations to allow the insert to move gently and efficiently. The result: treatment efforts are met perfectly sensitive patients are treated nearly painless and with maximum comfort.

PULSE MODE

The PULSE MODE (combi touch, level 5 of restorative/ prosthetics function) transforms the traditional sine wave formed ultrasound oscillation (standard function) to a new profile, characterized by specific power peaks, which results in an optimized performance for extractions and prosthetics.



MODE





- stops ultrasound and flow of liquid in less than 0.1 seconds
- shows cause of the interruption on the display



FEEDBACK SYSTEM

• constant and optimal tuning of insert movement • automatically detects and adjusts the necessary power according to the clinical need • user intervention simplified to the push of the foot pedal







ultrasonic devices

MULTIPIEZO PRO touch

stop limited options

At some point, every ultrasound unit reaches its limit – whether it is due to power, the equipment available or the variety of treatments it has been built for.

▶ start endless possibilities

The multipiezo pro *touch* comes with the widest range of indications in the market – from calculus to caries, from endodontics to periodontics, from extractions to restorations. It is perfectly indicated for many types of oral treament challenges that are seen in daily practice.



two handpieces

The two LED handpieces guarantee full flexibility – e.g. you can use both the right and left curved perio anatomic inserts without changing the inserts by simply selecting the second handpiece.

► pulse mode

handpiece

function

perio/scaler

soft mode

mectron

power

medical technology

light

auto

The PULSE MODE transforms the ultrasound oscillation to a new profile – which results in an optimized performance for extractions and prosthetics.





► two 500 ml bottles

The 2-bottle-system lets you use two different liquids (e.g. sodium hypochlorite in endo or chlorhexidine in perio) without having to change bottles.

MULTIPIEZO PRO touch

MULTIPIEZO touch + MULTIPIEZO white

stop painful

When it comes to sensitive patients and subgingival scaling, one thing is of maximum importance: minimize discomfort. At the same time, you need powerful insert movement for ideal results.

▶ start beautiful

The solution: the innovative multipiezo SOFT MODE. It reduces the amplitude of ultrasound oscillations in order to produce a gentle and efficient insert movement and allows for the first time nearly painless but 100 % effective treatments – for 100% beautiful results.





▶ irrigation system

The irrigation system with its illuminated 500 ml bottle prevents any dripping and leaking.

medical technology		multipiezo	
power	light	function	irrigation
6	on	endo	6
	auto	perio scaling	5
5	8010	Stating	
5		extraction prosthetics	4
			4
4	pump/flush		
4		extraction prosthetics	3

Ied handpiece

The 360° rotatable LED cone of the handpiece lets you set the light focus on the insert tip in every situation – regardless of the insert shape.

▶ pulse mode

The PULSE MODE transforms the ultrasound oscillation to a new profile – which results in an optimized performance for extractions and prosthetics.

ergonomic touch panel

Due to the ergonomic touch panel, you control every function as fast and intuitive as never before – and at the same

time clean and disinfect the device in literally no time.

MULTIPIEZO touch + MULTIPIEZO white



stop broken down

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When it comes to your ultrasound unit, cheap is not always economical: even if the only thing you want to do with it is scaling, you simply won't save anything if you have to buy a new unit every 12 months.

► start profitable

Well then, start something really profitable: the micropiezo s is your powerful scaling unit at a reasonable price – with the well-known mectron quality already built in.





► water filter

The water filter prevents the passage of suspended particles – and can be cleaned easily thanks to its accessibility.



power

water

check 🕜

star

mectron

With the fixed water line in the micropiezo s there is no need to refill your bottles.

check function

The "check" signal flashes to indicate wear or incorrect fitting of an instrument or any handpiece or handpiece-cord defects, additionally, power and liquid supply of the unit will be immediately stopped.



MICROPIEZO S

COMPACT PIEZO P2K + COMPACT PIEZO LED

high precision

system.

The ultrasound performance can be controlled perfectly due to its electronic feedback

stop no space left

There is simply no space left in your practice rooms – and your large scaling unit is one of the reasons for that?

▶ start no space needed

What if you needed no space at all for this unit? The compact piezo P2K and the compact piezo LED are powerful scaling units which can easily be integrated into nearly every dental chair – and then be operated simply via its controls.



► handpiece

The handpiece is made of titanium and Radel – which makes it 100 % sterilizable.

COMPACT PIEZO P2K





▶ soft mode

The SOFT MODE guarantees a perfectly gentle but still efficient insert movement.

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MODE

► rotatable LED cone

The 360° rotatable LED cone lets you set the light focus on the insert tip in every situation – in order to avoid the "smog effect" which occurs when the light beam encounters the fog of a fluid.





INSERTS

stop only for scaling

You have to deal with countless indications and treatments everyday however the inserts offered by most dental brands are limited to scaling only.

start suitable for everything

Therefore, we offer you an unequaled variety of inserts – for every indication, every treatment, and every situation you will face in your daily practice.



► K10 wrench

- sterilisable dynamometric torque wrench
- own torque wrench





INSERTS

FEATURES



TOUCH PANEL

• ergonomics of control

easy cleaning

LED HANDPIECE• 360° rotatable light,







SOFT MODE

Whenever needed mectron's innovative SOFT MODE reduces the amplitude of the ultrasound oscillations to allow the insert to move gently and efficiently. The result: treatment efforts are met perfectly – sensitive patients are treated nearly painless and with maximum comfort.

PULSE MODE

The PULSE MODE (multipiezo pro and multipiezo *touch*, level 6 of restorative function, multipiezo *white* level 6 of extraction/prosthetics function) transforms the traditional sine wave formed ultrasound oscillation (standard function) to a new profile, characterized by specific power peaks, which results in an optimized performance for extractions and prosthetics.



APC (AUTOMATIC PROTECTION CONTROL)

- recognizes deviations from standard functioning automatically
- stops power and liquid in less than 0,1 seconds

• focus at the insert edge regardless of the insert shape

• prevents the "fog" effect due to the cavitation of the irrigation, no dazzling

• shows cause of the interruption on the display







FEATURES

FEATURES



FEEDBACK SYSTEM

- constant and optimal tuning of insert movement
- automatically detects and adjusts the necessary power according to the clinical need
- user intervention simplified to the push of the foot pedal







cleans irrigation line automatically activated by pressing a dedicated button

CLEAN/FLUSH FUNCTION



BOTTLE SYSTEM

• flexible use of medicinal solutions

- upright positioned (no leakages)
- easy connection





led polymerization

STARLIGHT UNO

stop too heavy

Curing composites can become hard work. 10, 20, sometimes still 40 seconds can feel incredibly long if your polymerization light weighs too much.

▶ start featherweight

Only 77 g and simple handling thanks to the one-button control – discover a new world of powerful light curing.





► 3 Watt LED

Works with selected high efficiency 3 Watt LEDs with a light intensity of more than 1.500 mW/cm²

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▶ removable lithium-ion battery

The removable lithium-ion battery provides you with 240 working cycles of 10 seconds.



protective sleeves

Protective sleeves avoid direct lamp contamination.



▶ light spectrum

The light spectrum from 440 to 480 nm is focused on camphorquinone, a photoinitiator used in 98 % of dental materials.





STARLIGHT PRO + STARLIGHT ORTHO

stop too complex

Many polymerization units are difficult to adjust and complicated in their handling – which makes it really hard to integrate them into your workflow.

start to work

Well, what about just starting to work? Due to its cordless design, you can use the lightweight starlight pro and starlight ortho wherever you want to – and its one-button-handling couldn't be any easier.



► lithium-ion battery

The lithium-ion battery provides you with 320 working cycles of 10 seconds - after only 90 minutes of charging.



click-clack connection

Exclusive connection in metal ensures an optimal light beam transmission.



► lightweight Only 105 g.

high performance level

The power of more than 1.400 mW/cm² lets you harden a 2-mm thick layer in only 10 seconds.



optical fiber

The sterilizable optical fiber (8 mm) is made of many single threads for maximum light power.



► light spectrum

The light spectrum from 440 to 480 nm is focused on camphorquinone, a photoinitiator used in 98 % of dental materials.





medical technology

STARLIGHT S + STARLIGHT S+

stop hide-and-seek

An everyday situation: You need the curing light - but who used it last? And most important: in which of all the different drawers can you find it?

▶ start plug-and-cure

The solution: starlight s and starlight s+. Both units can easily be built into your dental unit and are simply placed in the handpiece holder – exactly where you need them.





► 3 operating modes

FAST: Exposure time 10/20 seconds. SLOW RISE: Exposure time 10/20 seconds. Gradual increase during first 2 seconds.

SOFT: Exposure time 10/20 seconds. Light emission at 70% of maximum power.

STARLIGHT S+



Welcome to the prophylaxis world by Mectron!

As emotional as it gets: we really love what we are doing, we love the beautiful results, we have a deep passion for our work and we want to share that with you!

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new website

Visit the website *www.we-love-prophylaxis.com* a new tool dedicated to the prophylaxis from clinical point of view.

CLINICAL APPLICATIONS



allowing an easy orientation about the endless possibilities ultrasounds and air polishers are offering.



WE OPRO PHYLAXIS





CLINICAL VIDEOS www.we-love-prophylaxis.com



mectron

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