

Safe,
accurate,
predictable,
enamel
correction



IPR Gamechanger

Advancing treatment innovations
for more predictable outcomes



DENTA
SONIC

New DiaStrip Packaging

All our DiaStrip blieter are packed in this new boxes, this for a better stock management, and saver shipping condition. Will contain 5 blister each type. 5 pieces or 12 pcs Blister.



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„
There is always a way
to do things better, i.e. less
invasive, more comfortable and safer
than procedures and, last but not
least, faster to use. „



THAT MAKES US UNIQUE

As a Swiss company in particular, the highest quality and absolute reliability are a matter of course for us. All DentaSonic solutions are extensively tested and scientifically documented.

As a result, we offer innovative concepts and high-precision instruments that specialists can not only fully rely on, but also contribute to the best possible treatment result - and thus also to absolute patient satisfaction. Whether in orthodontics, restorative dentistry or oral prophylaxis.

OUR PHILOSOPHY

Many years of experience, in-depth knowledge of the subject matter and the highest quality standards for materials and instruments - there are many arguments in favor of DentaSonic. But the real essence of our company lies in the striving to always work on new ideas, in the effort to find new, innovative solutions and in the motivation to give our customers and practitioners only the best - in the truest sense of the word.

As a small, but fine and owner-managed company, DentaSonic has the great advantage of always being close to its customers, of being able to have a direct dialogue with them and being able to react quickly and flexibly to the inputs and needs of the practitioner when developing new products and instruments.

OUR HISTORY

The initiator and driving force behind DentaSonic is the dental specialist Peter Rek, who wanted to combine his many years of experience, his specialist knowledge and his clear ideas about product quality and instrument application in an innovative project. Since its launch in 2004, DentaSonic has been working to continuously develop and optimize non-invasive enamel treatment. With knowledge and passion, Peter Rek is always looking for new and better solutions - in the interests of orthodontists and dentists as well as their patients. "There is always a way to do things better, i.e. less invasive, more comfortable and safer than procedures and, last but not least, faster to use."

General Manager
DentaSonic

The Dentasonic Difference:

Advancing
treatment innovations for more
predictable outcomes



1

Quick, safe through the contact point

Our thin saw is designed in order to avoid any cuts on soft tissue; really effective to quickly and safely open the interproximal area and to control the contact point.

2

Gentle correction or reduction of the Enamel

Precise and safe tools with less aggressive diamond grit, to reduce vibration feelings during treatment, and quite less treatment time, so more comfortable and totally safe for the patient.

3

Predefined thickness classes 0.1 to 0.5mm

Defined according to different thickness classes. Simply and safely remove exactly the necessary amount of enamel, avoiding any over reduction.

4

Perfect final polishing

Final polishing with PoliStrip that guarantee you a perfect polished treated zone, even smoother than natural enamel. No issues about caries.

DiaStrip Aligner

Files with extraordinary breaking strength
for safer treatment

DiaStrip Aligner files feature a unique surface and are distinguished by their durability and high breaking strength. These properties are ensured by an innovative manufacturing process using electro erosion. In addition, DiaStrip Aligner files are made of stainless steel with controlled memory electroplating treatment.

The combination of unique flexibility and durability makes it possible to reduce costs and steps to perform IPR treatments. In addition, the operator will have almost total control in his hands, which allows him to avoid any possible damage to the patient's soft parts or even to the tooth itself (step).

The Dentasonic IPR protocol is totally safe and comfortable for the patient, in addition to this you save a lot of time and forces, to top it off by following the protocol, you guarantee reproducibility of treatments on your patients without having any negative surprises.

Safely regenerable multiple times
The possibility of restoration allows visual inspection after autoclaving and multiple use.



UniCamillus
Saint Camillus International
University of Health and Medical
Sciences, Rome)

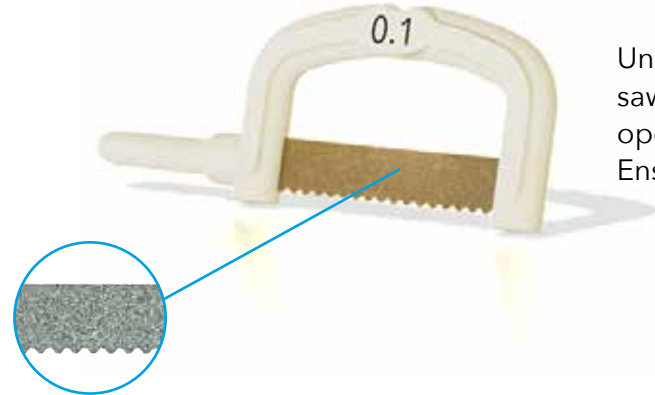
**Prof. Paola Cozza,
Dr. Francesca Gazzani, e
Dr. Roberta Lione**

Qualitative SEM analysis showed a more regular enamel surfaces when teeth undergone the mechanical IPR protocol with respect to the use of a single metallic strip.
The clinical standardization of an IPR clinical sequence increases the accuracy of enamel reduction required by the treatment and helps the clinician to adopt this nonextractive treatment procedure in the respect of the biological structures.
An adequate polishing after IPR plays a crucial role to guarantee a good long-term prognosis and enamel morphologic integrity.



Opener

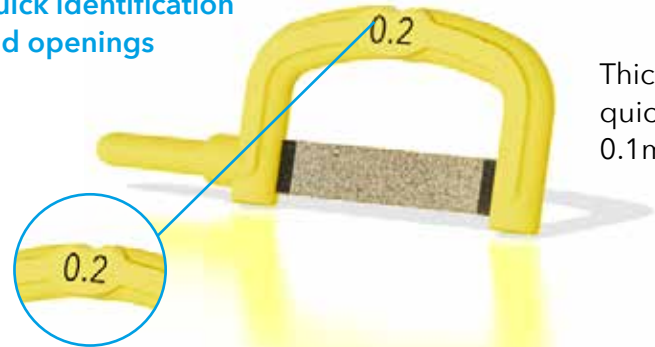
Contact point opener
wave section design



Undulating section of the saw. Safe and controlled opening of contact point! Ensures absolute safety

IPR

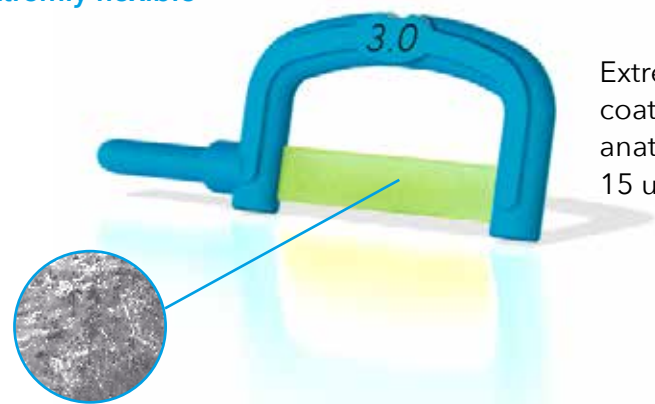
Quick identification
and openings



Thickness numbering for quick and safe selection. 0.1mm until 0.5mm

Contouring

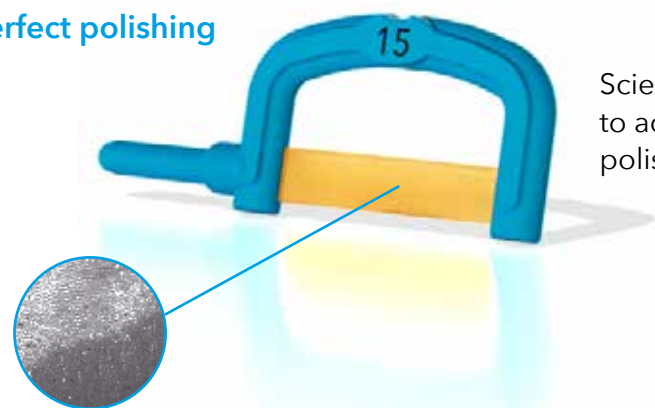
Extremly flexible



Extremly flexible diamond coated on both side, for perfect anatomical contouring 15 until 60 µm.

Polisher

Perfect polishing



Scientifically tested polishing to achieve excellent enamel polish

IPR DS Sequence

The new Aligner files – Designed for sequential use.

Do you mean quick and safe for the enamel?
Discover the new sequential solution!

The DiaStrip Aligner file system offers a tailored solution for fast and reliable preparation of everyday cases. Evidence shows that the application of checklists and adherence to standard protocols increase reproducibility of results and safety. With this in mind, Dentasonic offers new DiaStrip Aligner files purged to be used in sequence, with a single simple protocol, allowing for a shorter learning curve and achieving simplified treatment.

The new IPR Dentasonic sequence includes an opener to safely open the contact point without being able to injure soft parts, followed by 3 gliders to then achieve the opening defined by the required set up, and then finishing with a PoliStrip for the perfect final polish.

The IPR Dentasonic sequence, developed in collaboration with the UNICAMILLUS University of Rome, offers a smooth feel when switching from one instrument to another due to the optimized matching of grit size and thickness of the different files.

Overall, it will be possible to achieve the working result with small feeds, applying intermittent and much smoother sequential movements to ensure a better surface of the treated enamel. This means fewer insertions and more safety.



enamel thickness and preserve enough after treatment.
Follow your Aligner plan and avoid any over reduction.

Benefits

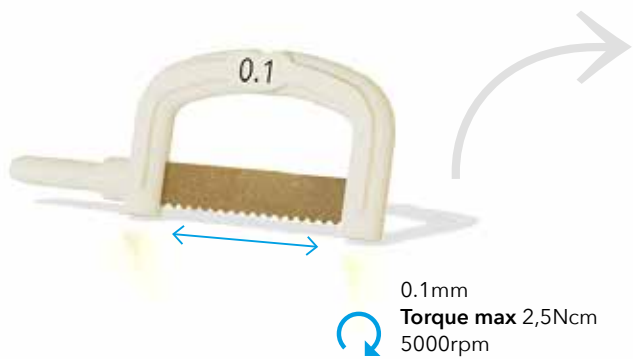
- **Predictable results**
applying the IPR DS protocol
- **Rapid preparation of daily cases**
Through optimized matching of calibrated files throughout the sequence
- **Increased patient safety**
Due to the high care given to surface processing and adhering to the IPR DS protocol
- **Very long service life**
due to high care given to surface processing and adhering to IPR DS protocol

Recommended operation

5000rpm = 10'000 oscillations back and forth! Pressure, force exerted on teeth (Torque) max 2.5Ncm

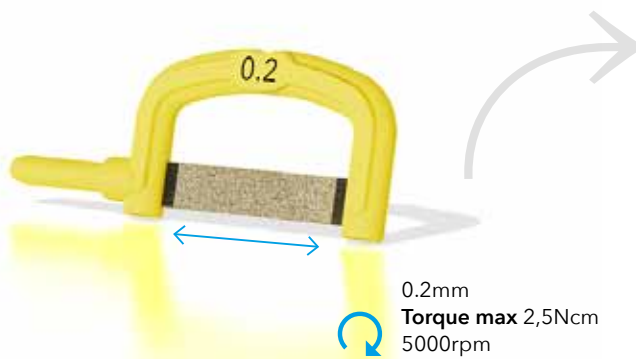
working length

The new Aligner files – Designed for sequential use.



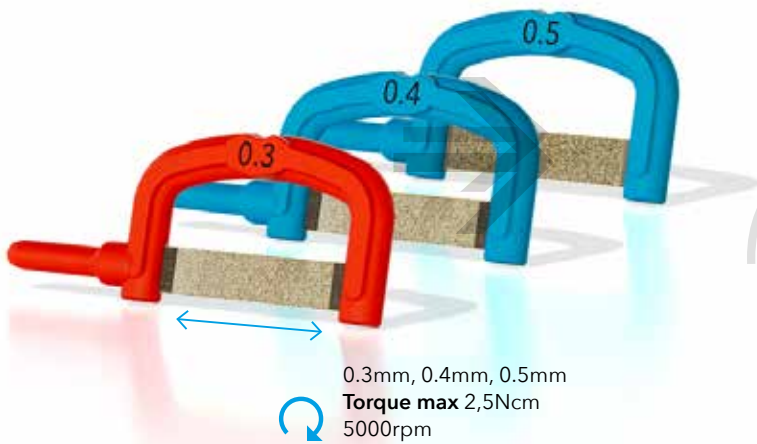
1 Opener

Open the contact point to provide an easy access to the interproximal surfaces. The opener has a thickness of only 0.1mm with a serrated edge. A minimally abrasive grit of 15 µm facilitates the opening procedure.



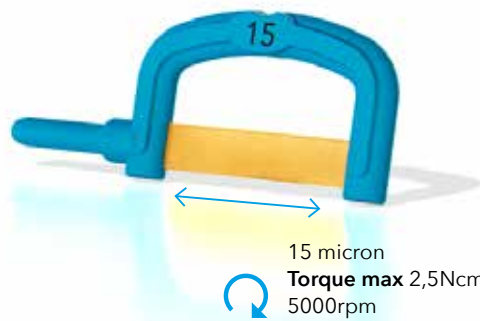
2 IPR

Start to reduce the enamel with an intermediate abrasive (25 µm) strip of 0.2mm thickness. Use the intermediate strips until they completely became passive in the interproximal space.



3 Active IPR

Reduce the interproximal enamel by means of the Diastrips (40 and 60 µm) with calibrated thickness of 0.3mm to 0.5mm, ev. also resin 0.5 mm. Choose the adequate thickness according to the space required.
Don't miss a step! Remember to gradually proceed, until you have obtained the space you want.

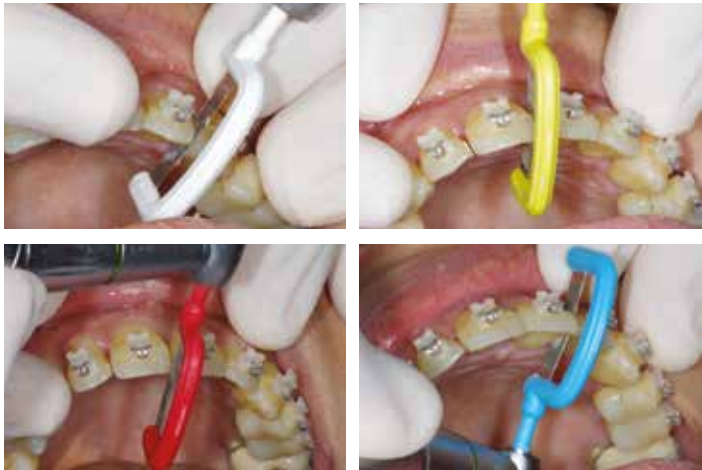


4 Finishing and polishing

Finish the IPR procedures by polishing the treated interproximal surfaces with a resin PoliStrip (15 µm). Finishing and polishing procedures are required at the end of the protocol in order to guarantee more regular and homogeneous enamel surfaces avoiding the risks of morphological irregularities and caries.

Non-Invasive-IPR.
The Safe and Gentle System from
DentaSonic, protect your patient's
enamel!

Oscillating DiaStrips are especially suitable for safe, precise, and non-invasive orthodontic preparations. Bilateral and monolateral, targeted-thickness strips, for a controlled interproximal correction, and reduction (NI-IPR) Targeted strips from 0.05 to 0.5mm. Now new also resin two sides diamond coated, flexible resin DiaStrip from 0.2mm to 0.5mm.



Frontal non-invasive IPC treatment with DiaStrip, using 0.1mm, 0.2mm, 0.25mm, and 0.3mm sizes. Courtesy of Dr. Raphaël Philippe, Nyon.



Blister confection
Available with 5 and 12 pieces.



enamel thickness and preserve
enough after treatment.

Follow your Aligner plan and
avoid any over reduction.

Benefits

- **Predictable results**
applying the IPR DS protocol
- **Rapid preparation of daily cases**
Through optimized matching of calibrated files throughout the sequence
- **Increased patient safety**
Due to the high care given to surface processing and adhering to the IPR DS protocol
- **Very long service life**
due to high care given to surface processing and adhering to IPR DS protocol
- **Over reduction**
Avoiding unnecessary over enamel reduction!
- **Rapid finishing**
Proximal contouring, finishing and polishing of both adjacent teeth in a single procedure



ALIGNER, ORTHODONTIC, LINGUAL

2 sides
metal diamond
coated strip



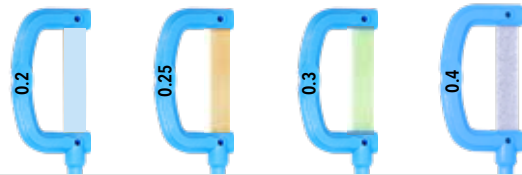
2 sides	DiaStrip				
P/N:	DSM-01	DSM-02	DSM-03	DSM-04	DSM-05
Opening:	0.1mm	0.2mm	0.3mm	0.4mm	0.5mm
Grain:	15 µm	25 µm	40 µm	60 µm	60 µm
Blister pack:	5 and 12 pieces				
Thickness = +/- 0.05mm					

1 side
metal diamond
coated strip



1 side	DiaStrip		
P/N: left	DSM-01L	DSM-02L	DSM-03L
P/N: right	DSM-01R	DSM-02R	DSM-03R
Opening:	0.1mm	0.2mm	0.3mm
Grain:	15 µm	25 µm	40 µm
Blister pack:	5 and 12 pieces		

2 sides
resin diamond
coated strip



2 sides	Resin DiaStrip			
P/N:	RDS-02	RDS-025	RDS-03	RDS-04
Grain:	9 µm	15 µm	30 µm	60 µm
Thickness:	0.2mm	0.25mm	0.3mm	0.4mm
Blister pack:	12 pieces			

Disposable can be used
3 times from canin distal
to canin distal

1 side
resin diamond
coated strip



1 side	Resin DiaStrip		
P/N: left	RDS-009L	RDS-010L	RDS-012 L
P/N: right	RDS-009R	RDS-010R	RDS-012 R
Thickness:	0.09mm	0.10mm	0.12mm
Blister pack:	12 pieces		

Disposable can be used
3 times from canin distal
to canin distal

DentaSonic contact point opener

The effective, safe, and gentle solution to open the contact point.

Oscillating DiaSaw is especially designed to prevent any injuries of soft tissue, for a safe, quick, non invasive contact-point opening. Monolateral or bilateral targeted thickness saw. No injuries to patients (gum)



Frontal Non-invasive IPC treatment with DiaSaw, 0.1mm.
Courtesy University of UniCamillus, Rome.

- Indications**
- Opening of tight interdental contact points
 - Widening of the interdental spaces in orthodontics by bilateral controlled tooth size reduction
- Benefits**
- Rapid, controlled, and agreeable opening of the interdental contact points
 - No injuries to patients (gums)
 - Efficient and fast opening of tight contact areas in IPR treatments

1 side & 2 sides metal Saw diamond coated



Saw available also as manual strip

Name: ErgoStripSaw
Article Ref. 2 sides: ESS-15
Grain µm: 15 µm
Thickness 2 sides: 0.10mm

1 side DiaSaw		2 sides DiaSaw	
P/N: left	DSS-005L	DSS-01	DSS-02
P/N: right	DSS-005R		
Opening:	0.05mm	0.05mm	0.1mm
Coating:	1 side	1 side	2 sides
Blister pack:	5 and 12 pieces		2 sides
Thickness = +/- 0.05mm		Thickness = +/- 0.05mm	

metal Saw uncoated



- Indications**
- Opening bonded contact points!
- Benefits**
- Extremely thin saw, uncoated. Save the enamel surface.

DiaSaw	
P/N:	DSS-1
Opening:	0.05mm
Coating:	not coated
Blister pack:	5 and 12 pieces

Flexible DentaSonic NI-IPR Solution

Non-Invasive IPR.
Safe and gentle system to protect the enamel of your patients with more flexible and thin strips.

Oscillating DiaBee are especially suitable for safe, precise, non-invasive orthodontic preparations. Bilateral, targeted-thickness strips, more flexible than the DiaStrips for controlled interproximal correction, (NI-IPC). Targeted strips from 0.1 to 0.3mm

- Indications**
- Opening of the interdental contact points
 - Widening of the interdental spaces in orthodontics by bilateral controlled tooth size reduction
 - Resolve of minor crowding and treatment finishing in orthodontics
 - Bilateral approximal enamel pre polishing
- Benefits**
- Efficient, flexible, safe, gentle, and agreeable opening of the interdental contact points
 - Rapid and controlled reduction of the enamel
 - Very thin and flexible strip.

2 sides metal diamond bee structured coated strip



Until end of stock

2 sides DiaBee				
P/N:	DSB-15	DSB-25	DSB-40	DSB-60
Opening:	0.1mm	0.2mm	0.25mm	0.3mm
Grain µm:	15 µm	25 µm	40 µm	60 µm
Blister pack:	12 pieces			
Thickness = +/- 0.05mm				

metal Bee structured uncoated



- Indications**
- approximal plaque removal
- Benefits**
- Extremely thin saw, uncoated. Save the enamel surface.

DiaPlaque	
P/N:	DP-1
Opening:	0.05mm
Coating:	not coated
Blister pack:	12 pieces



Flexible contouring, finishing, polishing

Perfect solution for all your approximal flexible contouring, finishing and polishing treatments.

Resin DiaStrips diamond-coated, are especially suitable for safe, precise, and comfortable non-invasive restorative contouring, finishing, and polishing. Monolateral flexible strips. To recreate natural tooth shape after your restoration.

Indications

- Flexible contouring, finishing and polishing on the approximal zone.
- Reshaping and restoring of the interdental spaces in restorative by monolateral controlled tooth size.
- Professional finishing & polishing of both teeth sides.
- Removing overhangs on crowns and veneers by restorative treatments.

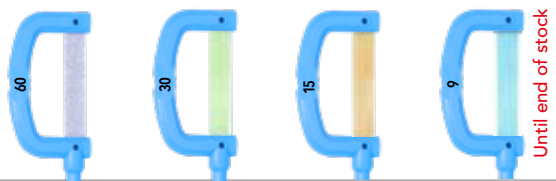
Benefits

- Rapid, controlled, and agreeable finishing and polishing of the interdental zone.

1 side
resin diamond
coated finishing strip

Disposable can be used
3 times from canin distal
to canin distal

uncoated **metal** Saw
open bonding



1 side	1 side Diamond Resin DiaStrip			
P/N: left	RDS-60L	RDS-30L	RDS-15L	RDS-9L
P/N: right	RDS-60R	RDS-30R	RDS-15R	RDS-9R
Thick. 1 side:	0.15mm	0.10mm	0.09mm	0.08mm
Grain µm:	60 µm	30 µm	15 µm	9 µm
Blister pack:	12 pieces			

Until end of stock



Indications

- Opening bonded contact points!

Benefits

- Extremely thin saw, uncoated.
Save the enamel surface.

	DiaSaw
P/N:	DSS-1
Opening:	0.05mm
Coating:	not coated
Blister pack:	5 and 12 pieces



Flexible final polishing & shining

Perfect final solution for all your approximal polishing treatments. To create a well-rounded shape after restorations and/or IPC treatments.

PoliStrip are especially suitable for safe, abrasive precise, comfortable non-invasive polishing. Bilateral, and or monolateral flexible strips, for controlled interproximal polishing on approximal surfaces.



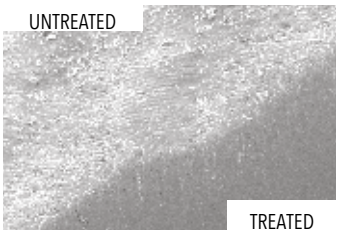
Indications

- Flexible polishing on the approximal zone
- Professional polishing in one step of both teeth sides

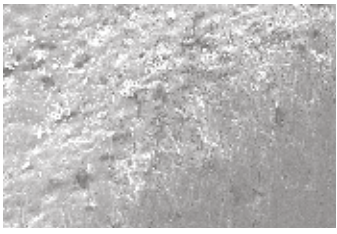
Benefits

- Rapid, controlled, and agreeable polishing of the interdental zone.
- Smoother polishing to avoid removing more enamel than necessary

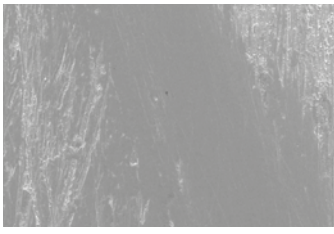
Polishing enamel surface result



Untreated enamel surface and treated surface with Resin PoliStrip 15µm SEM enlargement 500x



Untreated enamel surface and treated with Resin PoliStrip 15µm SEM enlargement 2000x

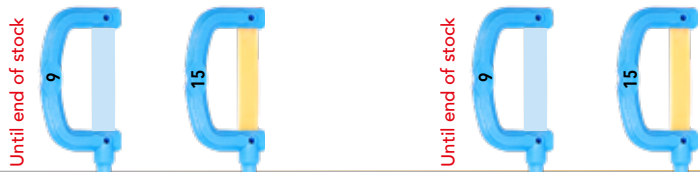


Treated enamel surface (40µm) and center treated with Resin PoliStrip 15µm SEM enlargement 2000x

Courtesy of the Institute of Material Science:
Technische Universität Darmstadt, Germany

1 side & 2 sides
resin aluminium oxid
coated strip

Disposable can be used
3 times from canin distal
to canin distal



	1 side Resin PoliStrip		2 sides Resin PoliStrip	
P/N: left	RPS-9L	RPS-15L	RPS-9	RPS-15
P/N: right	RPS-9R	RPS-15R		
µm (alu. oxide):	9 µm	15 µm	9 µm	15 µm
Blister pack:	12 pieces		12 pieces	

DentaSonic Basic Set Aligner

A basic set for those that want improve their NI-IPR with aligner treatments.

Water-cooled handpiece with a 4:1 reduction. Ideal basic initial set for **Bilateral** controlled non-invasive IPR of the tooth size and the flexible proximal finishing & polishing in aligners.



Suitable for:

- Aligner
- Orthodontic



Benefits

- Efficient, safe, gentle, and agreeable opening of the interdental contact points
- Rapid and controlled reduction of the enamel
- Proximal contouring, finishing and polishing of both adjacent teeth in a single procedure with special flexible resin diamond coated strips

Basic Set Aligner

Art. Ref.:	DSG4A-204
Stroke:	4:1
Pieces:	13
Sterilizable:	Yes
Warranty option:	1 or 2 years

Content: Art. Ref.: DSG4A-204

- 1x DSS-01, 1x DSM-02, 1x DSM-03, 1x DSM-04, 1x DSM-05, 3X RPS-15, 2 sides
- 1x DSG-204 Twist water-cooling HP, 4:1, STROKE 0.9mm
- 1x MG-6, Measuring gauge 6 thicknesses
- 1x MG-1 extraction tip,
- 1x SN-1 Spray nozzle
- 1x WN-1 water hole needle,
- 1x HP Instruction booklet,
- 1x Worldwide Warranty
- 1x IFU, Instructions for use
- Content of the items inside the Basic Set can change whitout prior notice.



ALIGNER, ORTHODONTIC, LINGUAL New DentaSonic IPR Sequence Set

The ultimative sequence Aligner IPR Set for those that want improve their non invasive-IPR with aligner treatments.

Water-cooled handpiece with a 4:1 reduction. Ideal complete set for **Bilateral** controlled non-invasive IPR of the tooth size and the flexible proximal finishing & polishing in aligners.



Suitable for:

- Aligner
- Orthodontic

Benefits

- Efficient, safe, gentle, and agreeable opening of the interdental contact points
- Rapid and controlled reduction of the enamel
- Proximal contouring, finishing and polishing of both adjacent teeth in a single procedure with special flexible resin diamond coated strips

IPR SEQUENCE SET

Art. Ref.:	DSG4A-204
Stroke:	4:1
Pieces:	10
Sterilizable:	Yes
Warranty option:	1 or 2 years

Content: Art. Ref.: DSG4A-204

- 1x DSM-S12A,
- 1x DSG-204 Twist water-cooling HP, 4:1, Stroke 0.9mm
- 1x MG-6, Measuring gauge 6 thicknesses: 0.1, 0.15, 0.2, 0.3, 0.4, 0.5mm,
- 1x MG-1 extraction tip,
- 1x SN-1 Spray nozzle,
- 1x WN-1 water holeneedle,
- 1x HP Instruction booklet,
- 1x Worldwide Warranty.
- Content of the items inside the set can change whitout prior notice.



DentaSonic Professional Kit 2

The ultimate Professional Kit for non-invasive, accurate and gentle NI-IPR.

The ultimate Professional Kit in a cardboard box with a complete range of DiaStrip for the **bilateral and monolateral** controlled non-invasive IPR of the tooth size and the proximal finishing & polishing in orthodontics, aligners, and/or restorative.

Water cooled oscillating handpiece with a 4:1 ratio, in addition also a 2nd. oscillating head, and one measuring gauge with 6 thicknesses.

- Suitable for:
- Aligner
 - Orthodontic



- Benefits
- Efficient, safe, gentle, and agreeable opening of the interdental contact points
 - Rapid and controlled reduction of the enamel
 - Proximal contouring, finishing and polishing of both adjacent teeth in a single procedure with special flexible resin diamond coated strips



- Starter Kit with more items
- + 8 Strip
 - + 2 Debonding polishers
 - + Stery Strip Holder
 - + 2 CombiStrip

Content: Art. Ref.: DSPK2-2Y

1x DSS-01, DSS-02, DSM-03, DSM-04, RDS-04, DSM-05mm 2 sides
1x DSS-005, DSM-01, DSM-02, DSM-03, RDS-009, RDS-010mm 1 side,
3x RPS-9, 3X RPS-15
1x DSG-204 Twist water-cooling HP, 4:1, STROKE 0.9mm
1x DSH-10 reciprocating Head, + maintenance voucher
2x DB-R20 Cup, 2x DB-R21 Point, Debonding polishers

1x MG-6, Measuring gauge with 6 thicknesses: 0.1, 0.15, 0.2, 0.3, 0.4, 0.5mm
1x ST-5, Stainless steel SteryStrip Holder
1x MG-1 extraction tip + 1x SN-1 Spray nozzle, 1x WN-1 water hole needle
2x CS-60-40, 2x CS-20-7, Finishing CombiStrip
1x HP Instruction booklet, 1x Worldwide Warranty, 1x Leaflet
1x IFU, Instructions for use.

Content of the items inside the starter kit can change whitout prior notice.

Art. Ref.:	DSPK2-2Y	DSPK2-1Y
Reduction:	4:1	4:1
Stroke:	0.9mm	0.9m
Pieces:	35	35
Sterilizable:	Yes	Yes
1 additional reciprocating head, and voucher		no voucher



Art. Ref.:	DSPK2L-2Y
Reduction:	4:1
Stroke:	0.9mm
Pieces:	35
Sterilizable:	Yes
1 additional reciprocating head and voucher	



with stainless steel strip stery holder



IPR-EVO

interproximal enamel reduction evolution

Multitalent, the evolution in IPR



The most innovative way of treating IPR (orthodontic, aligners and lingual), completely free movements with new pressure control and acoustic alarm.

The safest way of treatment in combination with our pre-calibrated DiaStrips files. This all-rounder is also suitable for endo treatments, finishing and polishing, inlays and onlays, and veneers. A unique universal innovative tool.

Cordless and safe

IPR-EVO is an easy-to-use universal system that is safe and effective in use.

Safety functions for IPR

1) Torque control

The torque control stop to work when the set torque is reached.

2) Torque sensor,

The torque sensor ring up when the set torque is reached, and stop to work.

Safety functions for Endo

The autoreverse and autoforward modes with automatic safety stop minimize the risk of file breakage.

Small head

The extremely small head enlarges the field of vision and offers the best possible access to the treatment site.

Maximum comfort

Ergonomically shaped drive hand-piece for comfortable and fatigue-free working.

360° rotating contra-angle attachment

The contra-angle attachment can be attached to the drive handpiece as required. This means flexible handle positions during treatment.





IPR-EVO

interproximal enamel reduction evolution

**Absolute freedom
of movement
a multitalent brushless
and cordless motor.**

- IPR
- Finishing & Polishing
- Endo

Features:

- brushless
- cordless
- Torque control
- Torque acoustic alarm



IPR-EVO
reciprocating head
1:1



IPR-EVO, Restoration



All DiaStrip



All Proxo file

compatible with all automatic
strips and other brands like
(Dentsply, Dentatus, Intensiv).

IPR-EVO reciprocating head 1:1.
Speed, Torque, Working mode can be adjusted.
Speed: 1400-5000 rpm adjustable
Torque: 0.6-4.0N.cm adjustable

Push botton RA
rotating head
1:1



FINISHING / POLISHING



Brushes



Discs



Polishers

RA contra-angle rotating head 1:1.
Speed, Torque, Working mode can be adjusted.
Speed: 1400-2000 rpm adjustable
Torque: 0.6-4.0N.cm adjustable

Push botton RA
rotating head
16:1



ENDO



Endo files RA

Speed, Torque, Working mode can be adjusted.
Speed: 140-600 rpm adjustable
Torque: 0.6-4.0N.cm adjustable



Name:	IPR-EVO	IPR-EVO Head	Endo Head	Finishing Head	Led adapter
Article Ref.	IPR-EVO1	IPR-H1	EH-2	FP-3	LA-1
Light:	yes	No	yes	yes	yes
Stroke / movement:	rotating	0.9mm reciprocating	rotating	rotating	-
Transmission Ratio:		silver (ring) 1:1	green (ring) 16:1	silver (ring) 1:1	-
Speed:	140 - 600 min ⁻¹	max 4'000 min ⁻¹	140 - 600 min ⁻¹	max 3'000 min ⁻¹	-

IPR-EVO handpiece drive. Program 2	
Transmission ration:	1:1
Coupling system:	Dentasonic coupling
Speed:	1400 - 5000 rpm 140 / 160 / 180 / 200 / 220 / 240 / 260 / 280 / 300 / 320 / 340 / 360 / 380 / 400 / 420 / 440 / 460 / 480 / 500rpm
Torque range / Torque stages	0.6 - 4.0 Ncm 0.6 / 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.3 / 1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 2.0 until 4.0 Ncm
Weight:	120 g

Finishing - Polishing handpiece drive. Program 3	
Transmission ration:	1:1
Coupling system:	Dentasonic coupling
Speed:	500 - 3000 rpm 600 / 800 / 1000 / 1200 / 1400 / 1600 / 1800 / 2000 / 2200 / 2400 / 2600 / 2800 / 3000rpm
Torque range / Torque stages	0.6 - 4.0 Ncm / 0.6 / 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.3 / 1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 2.0 until 4.0 Ncm
Weight:	120 g

Endo contra-angle head. Program 1, 4, 6, 7, 8, 9	
Transmission ration:	16:1
Coupling system:	Dentasonic coupling
Recommended root canal instruments:	Files for rotary root canal preparation at 300 min-1 with a RA shank of Ø 2.35 mm
Weight:	20g
Hygiene:	thermo washer disinfectable / sterilizable

Handpiece drive	
Battery type:	Li-ion
Battery voltage:	3.7 V
Rated capacity:	1050 mAh
Torque range / Torque stages	0.6 - 4.0 Ncm / 0.6 / 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.3 / 1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 2.0 until 4.0 Ncm
Weight:	120 g

Charging station	
Main voltage:	100-240V 50/60Hz standart EU for US plug, please ask
Permissible voltage fluctuation:	+/- 10%
Frequency:	50 - 60 Hz
Power:	5W
Weight:	60g

Sonic Toothbrush

gentle, efficiency
with accurate results
safe for your gum



“treat your teeth
with care, and safely,,

Five cleaning modes

To provide you with more choices,
meet different cleaning requirements

Clean

About 31000 times/min

Standard brushing mode, effectively removes
bacteria and food residues in the gap between
teeth, cleans teeth deeply, and refreshes teh mouth

White

About 41000 times/min

High frequency whitening brushing mode, white-
ning teeth

Polish

About 48000 times/min

Thoroughly remove plaque and make teeth clean
and beautiful

Massage

About 31000 times/min

Pulse massage teh gums, promote blood circula-
tion and strengthen teeth

Custom

About 41000 times/min

According to the specific condition of individual
teeth, freely choose the vibration effect you think is
most suitable



Refills Blister
always available
with 4 pcs.
Ref. SHB-23

Content:	
1x sonic toothbrush	
2x refill brush head	
1x plaque remover head	
1x Charge basement, 1x Euro charging plug	
1x IFU, Instructions for use	
Content of the items inside the starter kit can change whitout prior notice.	

Art. Ref.:	DS-225
Sonic power:	until 48'000 time /min
Warranty:	1 year
Art. Ref.:	SHB-23
Packaging:	4 pieces with different colors

Clinical recommendation:
to change your brush head aftr 3 months.





DentaSonic Twist Handpiece

with Interchangeable Head



Enamel surface polished with PoliStrip 15 micron.

for comfortable, silent, and vibration-free reciprocating treatments.

Handpiece for proximal restorative treatment with back&forward movement. Especially suitable for safe, precise, non-invasive orthodontic, aligner, lingual, and restorative preparations.



Water



Water & Light



Name:	DS-Twist	DS-Twist Light	DS-Twist 40	Micro Motor
Article Ref.	DSG-204	DSG-204L	DSG-240	DSMM-200
Type:	Int. water cooling	Int. water cooling	Int. water cooling	-
Stroke:	0.9mm	0.9mm	0.9mm	-
Attachment:	ISO	ISO	ISO	4 hole attachment
Ratio:	4:1	4:1	6:1	-
Ideal speed:	max 25'000	max 25'000	max 40'000	max 25'000



Applicable for Ø 2.35mm 0.9mm



Applicable for Ø 2.35mm Push button



Name:	DiaStrips Head	RA 204 Bur Head	Extraction Tip	IPR Head Nozzle	hole needle
Article Ref.	DSH-09	DSH-30	MG-1	SN-2	WN-1
Stroke:	0.9mm	rotating	-	-	-
Ideal speed:	5'000-7'000opm	10'000 - 25'000rpm	-	-	-

Ideal Micromotor Speed Set-Up

Important speed advise how to operate with oscillating hand pieces Fits with all air and electric micromotors, (ISO) attachment with a speed of:

Using Micromotor		Handpiece Ratio		Ideal Operation Speed	
Micromotor at 5.000rpm	+	Handpiece ratio 1:1	=	5.000rpm	OK
Micromotor at 5.000rpm	+	Handpiece ratio 4:1	=	1.250rpm	To slow
Micromotor at 20.000rpm	+	Handpiece ratio 4:1	=	5.000rpm	OK
Micromotor at 25.000rpm	+	Handpiece ratio 4:1	=	6.250rpm	OK
Micromotor at 40.000rpm	+	Handpiece ratio 4:1	=	10.000rpm	To High!
Micromotor at 40.000rpm	+	Handpiece ratio 6:1	=	6.666rpm	OK

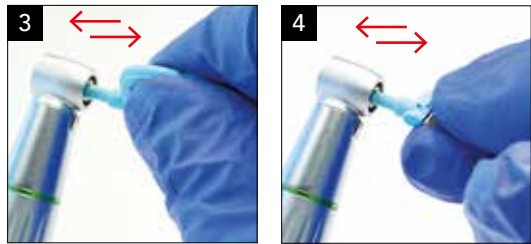
Insert and remove the Strips from hand piece

How to insert and remove correctly the strip form the head:



How to hold correctly the strip on your hand. (Fig. 1)

How not do it (Fig. 2)



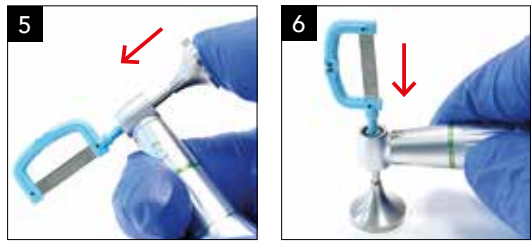
Insert or remove strip (Fig. 3)

1) Inserting

- Hold the blade (tip, or shank) and push it by turning left (Fig. 3) and right (Fig. 4) into the head until it stops or until you feel that the grip is good enough.

2) Removal

- To remove the blade (tip, or shank), pull out and turn left (Fig. 3) and right (Fig. 4) the blade from the head.



Another way to remove the strip from the hand piece

A) (Fig. 5)

- Inserting the extraction tip on back of the head
- Push it out with your finger from the head by holding the hand piece in your hand

B) (Fig. 6)

- To avoid, if you feel pain by pushing with your finger, place the extraction tip on your table, and then put the back side of the head on it and push down, you will be able to extract them more easily.

Hand piece and Head maintenance and warranty terms

Maintenance and warranty terms

We advise those who use the handpiece that it is extremely important to keep the internal mechanical parts of the handpiece lubricated, particularly the head. The head must be lubricated with spray oil every day if it has been used during the day. This operation only takes 3-5 minutes.

The advantage is that you will have a well-functioning oscillating head for a long time. If this is not done, your head will soon jam because the micro-residues that enter all the internal parts will block the bushings and the handpiece will be jammed. In that case, our warranty will not be valid. We insist on this because we see that many operators do not take care of these important aspects. We therefore urge you to take these recommendations very seriously, to avoid ending up with a jammed head. The internal cam jams due to lack of lubrication and cleaning.

Attention at our warranty terms

if the daily lubricification are not made, our warranty will not be valable!



DS IPR Head and Spray Nozzle together



Any kind of lubricification oil- spray

All our hand pieces works with ISO Attachment

Here you see what kind of attachment you need to have on your unit
YOur micro motor needs a ISO attachment, (the most common).



Micro motor ISO attachment

ErgoStrip

Manual Diamond ErgoStrip suitable for safe, precise, orthodontic preparations.

Bilateral and/or monolateral, predefined thickness strips, for controlled IPC reduction/correction, and finishing & polishing in orthodontics or restorations.



Finger Grip design for better tactile control & perfect grip



Suitable for:
● Aligner
● Orthodontic

ErgoSaw

ErgoSaw bilateral diamond-coated saw, specially suitable for quick, safe, and precise interdental opening contact point in orthodontics. Bilateral (DSS) calibrated thickness strip.



ErgoBee

ErgoBee with flexible bee structure, is especially suitable for safe, precise, non-invasive orthodontic preparations. Bilateral (DSB) calibrated thickness strips for controlled interproximal correction, finishing and polishing.



ALIGNER, ORTHODONTIC, LINGUAL

2 sides
metal diamond
coated strip

				
Name:	ErgoStrip	ErgoStrip	ErgoStrip	ErgoStrip
Article Ref. 2 sides:	ESM-15	ESM-25	ESM-40	ESM-60
Grain μm :	15 μm	25 μm	40 μm	60 μm
Thickness 2 sides:	0.10 - 0.15mm	0.15 - 0.23mm	0.23 - 0.27mm	0.28 - 0.30mm
Packaging refills:	4 and 12 pieces			
Thickness = +/- 0.05mm				

1 side
metal diamond
coated strip

				
Name:	ErgoStrip	ErgoStrip	ErgoStrip	ErgoStrip
Article Ref. 1 side:	ESM1-15	ESM1-25	ESM1-40	ESM1-60
Thickness 1 side:	0.10mm	0.15mm	0.20mm	0.20 - 0.24mm
Packaging refills:	4 and 12 pieces			
Thickness = +/- 0.05mm				

2 sides **metal saw**
diamond coated strip

			
Name:	ErgoStrip Saw	ErgoStrip Saw	ErgoStrip Saw
Article Ref. 2 sides:	ESS-15	ESS-25	ESS-40
Grain μm :	15 μm	25 μm	40 μm
Thickness 2 sides:	0.10mm	0.15mm	0.23 - 0.27mm
Packaging refills:	4 and 12 pieces		
Thickness = +/- 0.05mm			

2 sides
metal Bee diamond
coated strip

			
Name:	ErgoBee	ErgoBee	ErgoBee
Article Ref. 2 sides:	ESB-15	ESB-25	ESB-40
Grain μm :	15 μm	25 μm	40 μm
Packaging refills:	4 and 12 pieces		
Thickness = +/- 0.05mm			
Until end of stock			

Manual Diamond ErgoStrip suitable for safe, precise, orthodontic preparations.

Bilateral and monolateral, predefined thickness strips, for controlled IPR reduction/correction, and finishing & polishing in orthodontics or restorations.



Finger Grip design for better tactile control & perfect grip

Manuelle ErgoStrips geeignet zur sicheren, präzisen, nicht-invasiven kieferorthopädischen Präparation. Zweiseitig (ESM) und/oder einseitig (ESM1) diamantiert. Hervorragende Feilen kalibriert zur kontrollierten Schaffung approximaler Abstände.

Le lime manuali ErgoStrip sono adatte per preparazioni ortodontiche non invasive sicure e precise. Diamantate su due lati (ESM) e/o un lato (ESM1). Spessori appositamente calibrati, per la riduzione interprossimale controllata dello smalto.

Les bandes manuelle ErgoStrip sont parfaitement adaptées à la réalisation de préparations orthodontiques sécuritaires et précises, tout en étant non invasives. Diamantée sur deux cotés (ESM) et/ou une coté (ESM1). Épaisseur calibrée, pour une réduction interproximale contrôlée.

Las tiras manuales ErgoStrip están especialmente diseñadas para preparaciones seguras, precisas y no invasivas en ortodoncia. Dos caras (ESM) y/o una cara (ESM1). Tiras de grosor perfectamente calibrado para controlar la reducción interproximal.

RESTORATION, VENEERS, CROWN & BRIDGES

1 side metal diamond coated strip



Name:	ErgoStrip	ErgoStrip	ErgoStrip	ErgoStrip
Article Ref. 1 side:	ESM1-15	ESM1-25	ESM1-40	ESM1-60
Thickness 1 side:	0.10mm	0.15mm	0.20mm	0.20 - 0.24mm
Packaging refills:	4 and 12 pieces			
Thickness= +/- 0.05mm				

RESTAURATION VENEERS



No Diamond coated

Name:	ErgoStrip Saw	ErgoPlaque
Article Ref. 2 sides:	ESS-1	EP-1
Grain µm:	No diamond, serrated	No diamond
Thickness 2 sides:	0.08mm	0.05mm
Packaging refills:	4 and 12 pieces	12 pieces
Thickness = +/- 0.05mm		

The perfect solution for all your approximal flexible polishing and shining treatments.

Ergo PoliStrip is a very flexible and thin polyester strip with ultra-fine silicium abrasive coating on one, and two sides. Excellent for high polishing and the finishing of interproximal areas and subgingival surfaces, will effectively high-gloss enamel, composites, and cements.

Resin Ergo PoliStrip, extrem flexible und dünne Polyester-Feile mit zweiseitiger Beschichtung aus ultrafeinen Silizium-Schleifpartikeln. Hervorragend geeignet zum Finieren und für die Hochglanzpolitur von Approximalbereichen und subgingivalen Oberflächen. Erzeugt wirksam Hochglanz auf Schmelz, Ionomeren und Zementen.

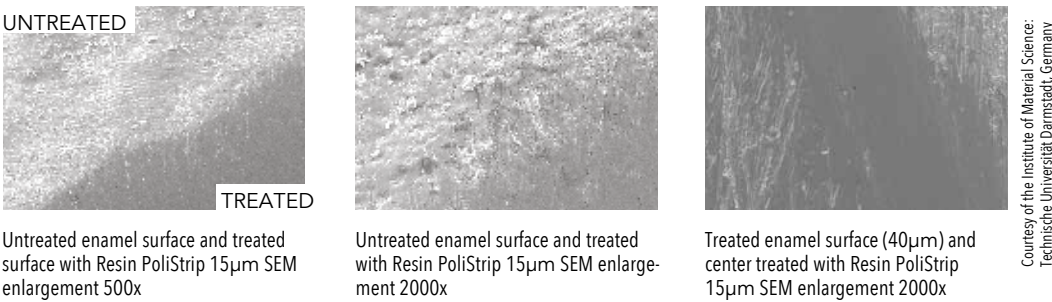
Resin Ergo PoliStrip, lima particolarmente flessibile e fine in poliestere rivestita su due lati con ossido di alluminio ultrafine. Ottima per la lucidatura a specchio delle aree interproximali e delle superfici subgingivali, esegue efficacemente la lucidatura a specchio di smalto, compositi e cementi.

Resin Ergo PoliStrip, extrêmement flexible et fin en polyester enduit avec oxyde d'aluminium d'abrasif ultra fine, sur deux côtés. Excellent pour obtenir un brillantage parfait et pour la finition des surfaces interproximales et les zones sous-gingivales, lustre efficacement la surface de l'émail, des composites et des ciments. Resin Ergo PoliStrip es una tira muy flexible y

fina delgada de poliéster que incorpora una capa de silicio abrasiva ultra fina en dos caras (RECS). Es excelente para un pulido eficaz y de mucho brillo en las zonas inter-proximales y superficies sub gingivales. Le proporciona un brillo eficaz al esmalte, a los composites y a los cementos.

Restorative Polishing Tools

Polishing Enamel-Surface Result



Name:	Ergo PoliStrip	Ergo PoliStrip
Article Ref.:	REPS1-15	REPS-15
Coating side:	1 side	2 sides
Grain µm:	15	15
Coating:	aluminium oxide	"
Packaging refills:	12 pieces	

Until end of stock

Debonding

Residues after bracket usage can be removed economically and particularly safely in comparison to the conventional removal techniques of adhesive or cement residues using diamond rotary or metallic instruments.



Set name:	Debonding-Set
Art. Ref. Set:	DB-SE6
Shank type/Shape:	RA 204 / Cup and Point
Size (Ø mm)	6 x 8.3
Rec. RPM:	3.000 - 5.000
Pieces:	6
Sterilizable:	yes

Until end of stock

Safe removal of adhesive from brackets and attachment without damage to the natural tooth structure.



Set name:	Debonding Polisher
Art. Ref. Refill:	DB-RE20
Shank type/shape:	204 / Cup
Size (Ø mm)	6 x 8.3
Rec. RPM:	3.000 - 5.000
Pieces:	6
Sterilizable:	yes

Whereas there is always the risk of damaging the natural tooth structure with rotary diamond or carbide instruments, this is eliminated owing to the hardness of the abrasive grit impregnated into the remover.



Set name:	Debonding Polisher
Art. Ref. Refill:	DB-RE21
Shank type/shape:	204 / Point
Size (Ø mm)	5,2 x 10.5
Rec. RPM:	3.000 - 5.000
Pieces:	6
Sterilizable:	yes

The microgrid acts definitively and is embedded in a hard synthetic rubber matrix. Safe and economical removal of adhesive residues is possible in a few minutes.

SteryStrip Holders

Inox SteryStrip

Stainless Steel Stery Holder for 5 strips.

Name:	SteryStrip
Article Ref.:	ST-5
Packaging:	1 piece



Inox SteryStrip

Stainless Steel Stery Holder for 6 strips.

Name:	SteryStrip
Article Ref.:	ST-6
Packaging:	1 piece



Manual Strip Handle

DentaSonic Strip Handle to improve the manual use of strips. The head part can be rotated up to 90 degrees by going to slightly unscrew the middle part of the handle. This is a great advantage for operating in the buccal part where similar products usually do not have this option.



The head part can be rotated up to 90 degrees, rotating middle part.



Rotate the head to open.



Insert the strip.

Name:	Manual Strip Handle
Article Ref.:	DSH-1
Type:	RA shank (2.35mm)
Packaging:	1 piece
Autoclavable:	Yes

Gauge

DentaSonic Measuring Gauge on Stainless Steel, fully autoclavable. For the interdental space control in orthodontics.



Name:	Measuring Gauge
Article Ref.:	MG-6
Thickness mm:	0.1, 0.15, 0.2, 0.3, 0.4, 0.5
Packaging:	1 piece
Autoclavable:	Yes

Possible thickness combination:
from 0.1mm to 1.65mm

0.1,	
0.15, and	0.25
0.2,	0.35
0.3,	0.45
0.4,	0.55
0.5,	0.65 - 1.05 - 1.35 - 1.55 - 1.65



Sonic Toothbrush



Five cleaning modes

To provide you with more choices, meet different cleaning requirements

About 31000 times/min

Standard brushing mode, effectively removes bacteria and food residues in the gap between teeth, cleans teeth deeply, and refreshes the mouth

About 41000 times/min

High frequency whitening brushing mode, whitening teeth

About 48000 times/min

Thoroughly remove plaque and make teeth clean and beautiful

About 31000 times/min

Pulse massage the gums, promote blood circulation and strengthen teeth

About 41000 times/min

According to the specific condition of individual teeth, freely choose the vibration effect you think is most suitable



Warnings, Principles of safety & Precautions



Warnings

Avoid bending and levering: use of excessive force (strong levering) could lead to the breakage of the instrument.

Avoid jamming or levering actions when oscillating, as this increases the risk of instrument breakage.

Avoid temperatures above 180°C which may affect the durability of the instrument.

Avoid applying forces greater than 3N as this could cause damage to the instrument.

To prevent patient from ingesting or inhaling the DiaStrip, prior to using Dia-Strip, thread a piece of dental floss through the arc of the DiaStrip. Secure by tying a slipknot. Wrap the floss around one of your other fingers to secure the DiaStrip.

The consumption of the instrument lifetime until its worn out, replacement and disposal is an exclusive decision of the physician according to his operative needs.

To ensure traceability during the instrument lifetime we recommend to preserve the packaging.

Principles of safety

Contact pressure: bend the strip 1-1.5 mm to achieve the ideal 1-2.5N operating force.

Do not stop the motion of the file while the same is in the interdental space.

In case of overcrowding open the interdental space using a wedge in the cervical area.

Do not bend, warp or leverage the instrument.

Not observing these precautions leads to a high risk in terms of safety and can lead to the possible breakage or damage of the instrument

It is necessary to report any serious accident occurring in relation to the medical device supplied by us to the manufacturer and to the competent authority of the Member State in which it is based.

DentaSonic declines all responsibility for improper use of its products that differ from what is indicated in this user manual

Precautions

Sterilize DiaStrip prior to patient use. See details below.

Read the Instructions for Use (IFU) completely before using. Use of DiaStrip inconsistent with IFU is at the sole discretion and sole responsibility of the user.

Do not use any DiaStrip that is damaged, bent, broken, or show signs of wear.

For maintaining anatomical contour in the posterior and to refine the natural anatomy of the anterior, finish with the curved version.

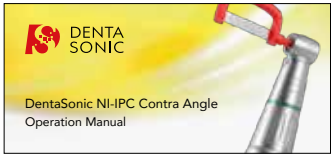
Use a gap gauge frequently during the procedure when gap width accuracy is critical.

Please scan here for our complete instruction for use



- User Information
- Hygiene Recommendations
- Sterilization instruction
- Instruction of use

Languages: EN - D - F - IT - ES - P



Your IPR DS guide

Practical. Innovative. Cutting edge.

Dentasonic provides simple, safe and effective solutions for every stage of IPR treatment, carefully guiding the dentist/orthodontist through each enamel correction situation with dedicated training courses and experienced orthodontic consultants.

Our product range, perfected over more than a decade, includes innovative consumables and advanced equipment that reliably cover all stages of treatment.

Certificates:



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