We believe in safe and accurate, minimally invasive enamel reduction



Innovative, and best treatment for your patient care!

orthodontics/aligner | restorative finishing | prophylaxis



DentaSonic

Swiss Proximal Restorative Clean-up Tools



Swiss quality combined with international research

DentaSonic provides solutions for a wide range of applications in the dental sector, from orthodontics and restorative dentistry to dental prophylaxis.

DentaSonic is a world leader in the manufacture of diamond instruments for the treatment of the interproximal spaces. The instruments are developed and manufactured in co-operation with renowned hospitals, research institutes and universities.

DentaSonic is a Swiss company headquartered in the south of Switzerland that sells its products in more than 30 countries world-wide. Our company develops innovative solutions, which enable orthodontists and dentists to provide their patients with every option based on the latest research results.

The objective of this improved product range is to provide a suitable high-quality product for every application, while a minimally invasive (IPR) treatment always remains a priority.

Peter Rek
General Manager DentaSonic

Schweizer Qualität verbunden mit internationaler Forschung.

DentaSonic bietet Lösungen für einen breites Spektrum von Anwendungen im Dentalbereich, angefangen von der Kieferorthopädie, über die wiederherstellende Zahnheilkunde bis zur Prophylaxe.

DentaSonic ist International führend bei der Herstellung von Diamantinstrumenten für die Behandlung des Interproximalraumes, die in Zusammenarbeit mit bedeutenden Kliniken, Forschungsinstituten und Universitäten entwickelt und hergestellt werden.

DentaSonic ist eine Schweizer Gesellschaft mit Sitz in der Südschweiz, die ihre Produkte International vertreibt. Unsere Firma entwickelt innovative Lösungen, die es Kieferorthopäden und Zahnärzten ermöglichen, ihren Patienten alle auf den neuesten Forschungsergebnissen basierenden Optionen zu bieten.

Bestätigt werden die Produkte von DentaSonic durch Universitätsstudien in der Schweiz, in Deutschland und in Italien. Diese Zusammenarbeit mit den Hochschulen ist für DentaSonic Teil der Zukunftsstrategie.

Peter Rek
Geschäftsführer DentaSonic



Qualità svizzera associata a ricerca internazionale.

DentaSonic offre soluzioni per un'ampia gamma di indicazioni dentali, dall'ortodonzia, restorativa estetica alla profilassi. DentaSonic è uno dei leader globali nella produzione di strumenti diamantati per trattamenti interprossimali, sviluppati e prodotti in collaborazione con importanti cliniche, istituti di ricerca e università.

DentaSonic è una società svizzera con sede in Ticino che distribuisce i propri prodotti a livello globale in svariati paesi. La società propone soluzioni innovative minimali invasive che consentono agli ortodonzisti e dentisti di offrire ai propri pazienti tutte le opzioni basate sulle più recenti ricerche.

La gamma di prodotti rivisti ci permette di offrire il miglior prodotto di qualità, progettato per ogni esigenza e applicazione, laddove si riscontra la necessità di un trattamento invasivo minimale. (MI-IPR), Riduzione, correzione interprossimale dello smalto minimale invasivo.

Peter Rek
Direttore DentaSonic

La qualité suisse liée la recherche internationale.

DentaSonic offre des solutions pour un large spectre d'utilisations dans le domaine de la Dentisterie, en allant de l'Orthodontie à la Prophylaxie, tout en passant par la Dentisterie restauratrice.

DentaSonic est leader international dans la fabrication d'instruments diamantés pour le traitement des espaces interproximaux, instruments qui ont été développés et fabriqués en collaboration avec des centres hospitaliers universitaires, des instituts de recherche et des universités remarquables. DentaSonic est une entreprise suisse dont le siège est dans le Tessin. Elle commercialise ses produits dans le monde entier, dans plusieurs pays.

Notre société développe des solutions innovatrices, qui permettent aux Orthodontistes et aux Chirurgiens-dentistes d'offrir à leurs patients toutes les options basées sur les derniers résultats de la recherche.

La gamme renouvelée des produits permet en outre d'offrir un produit de première qualité, adapté à chaque exigence et ou on cherche les solutions (traitement) minimale invasive. Nous les appéllons haujourd'hui (MI-IPR), Riduction interprossimale minimale invasive.

Peter Rek
Directeur DentaSonic

Calidad suiza con investigación a nivel internacional.

DentaSonic ofrece soluciones para un amplio espectro de aplicaciones en odontología, que va desde la ortodoncia, pasando por la odontología restauradora, hasta la profilaxis. DentaSonic es líder mundial en la fabricación de instrumentos de diamante para el tratamiento de zonas interproximales que han sido desarrollados en colaboración con clínicas importantes, institutos de investigación y universidades. DentaSonic es una empresa suiza con sede en el sur de la Suiza, que distribuye sus productos en más de 30 países de todo el mundo.

Nuestra empresa desarrolla soluciones innovadoras que permiten a ortodoncistas y odontólogos ofrecer a sus pacientes todas las opciones basadas en los resultados de las investigaciones más recientes.

Las características más sobresalientes de nuestra empresa son la fiabilidad y la calidad: todas las soluciones DentaSonic han sido y seguirán siendo estudiadas en profundidad y documentadas científicamente.

Peter Rek
Director DentaSonic



Indications for controlled minimally invasive enamel reduction/correction treatment

- Slight to moderate crowding
- Bolton Index discrepancies
- Decrease of excessive mesio-inclinations in Upper Class II cases Maintaining lower intercanine dimensions to prevent relapse
- Modification of interproximal contacts to maintain long-term orthodontic stability
- Relapse checking
- Eliminating unaesthetic black triangles in gingival recession cases
- Aesthetic remodelling

Indikationen für die minimal-invasive Schmelzreduktionstherapie

- Leichter bis moderater Engstand
- Bolton-Diskrepanzen
- Verminderung übermäßiger Mesial-Inklinationen bei maxillären Klasse-II-Fällen. Aufrechterhaltung des Eckzahnabstandes im Unterkiefer zur Vorbeugung
- Modifikation von Approximalkontakten zur Aufrechterhaltung langfristig stabiler kieferorthopädischer Ergebnisse
- Überprüfung von Rezidiven
- Eliminierung unschöner "schwarzer Dreiecke" in Fällen mit Zahnfleischrezessionen
- Ästhetische Remodellation

Indications pour l'énaméloplastie contrôlée non invasive

- Encombrement léger à modéré
- Irrégularités dans l'index de Bolton
- Diminution des inclinaisons mésiales excessives au maxillaire dans les classes II. Maintien de la distance inter-canine mandibulaire pour prévenir le phénomène de relapse.
- Modification des contacts interproximaux pour maintenir une stabilité orthodontique à long terme.
- Vérification des récidives.
- Élimination des triangles noirs inesthétiques dans les cas de récession gingivale.
- Remodelage esthétique

Indicazioni per il trattamento controllato invasivo minimale di riduzione dello smalto

- Affollamento da leggero a moderato
- Discrepanze dell'indice di Bolton
- Riduzione dell'eccessiva inclinazione dentale mesiale superiore nelle II Classi. Mantenimento della dimensione intercanina inferiore per la prevenzione della recidiva
- Modificazione dei contatti interprossimali per il mantenimento della stabilità ortodontica a lungo termine
- Controllo della recidiva
- Eliminazione degli antiestetici triangoli neri nei casi di recessione gengivale
- Rimodellamento estetico

Indicaciones para tratamientos controlados de reducción de esmalte mínimamente invasivos.

- Apiñamiento leve a moderado
- Discrepancias en los índices de Bolton.
- Disminución de inclinaciones mesiales excesivas en casos de Clase II Superior.Mantenimiento de la dimensión intercanina inferior para prevenir reincidencias.
- Modificación de contactos interproximales para mantener la estabilidad en tratamientos de ortodoncia a largo plazo.
- Evaluación de reincidencias.
- Eliminación de triángulos negros antiestéticos en casos de recesión gingival.
- Correcciones estéticas.

DiaStrip The DentaSonic MI-IPR Solution

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

Suitable for:
- Orthodontic
- Aligner



Oscillating DiaStrips are especially suitable for safe, precise, and minimally invasive orthodontic preparations. Bilateral and monolateral, targeted-thickness strips, for a controlled interproximal reduction/correction, (MI-IPR). Targeted strips from 0.1 to 0.4mm

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 polishing

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

DiaStrips sind besonders geeignet zur sicheren, präzisen, minimal-invasiven kieferorthopädischen Präparation. Zweiseitig (DSM) und / oder einseitig (DSM1) diamantiert. Hervorragende Feilen mit exakt kalibrierter Stärke zur kontrollierten Schaffung approximaler Abstände.

Le lime DiaStrip particolarmente adatte per preparazioni ortodontiche invasive minimali sicure e precise. Diamantate su due lati (DSM) e/o un lato (DSM1). Spessori appositamente calibrati, per la riduzione interprossimale controllata.

Les bandes DiaStrip sont parfaitement adaptées à la réalisation de préparations orthodontiques sécuritaires et précises, tout en étant le moins invasives possible. Diamantée sur deux cotés (DSM) et / ou uen coté (DSM1). Épaisseur calibrée, pour une réduction interproximale contrôlée.

Las tiras DiaStrip están especialmente diseñadas para preparaciones seguras, precisas y mínimamente invasivas en ortodoncia. Dos caras (DSM) y/o una cara (DSM1). Tiras de grosor perfectamente calibrado para controlar la reducción interproximal.

DiaSaw The DentaSonic contact point opener

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

Prevent an unnecessary and excessive reduction of your patient's enamel.

The oscillating DiaSaw is especially designed to prevent any injuries of soft tissue, for a safe, quick, minimally invasive contact-point opening. Bilateral targeted thickness saw. No injuries to patients (gums). Does not injure the soft tissue, but is effective for enamel.

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

Available in blister pack as 5 pcs, and 12 pcs.

To be used in combination with DentaSonic Twist, DSG-204

Frontal minimally-invasive IPR treatment with DiaStrip, using 0.1mm, 0.2mm, 0.3mm, and 0.4mm sizes. Courtesy of Dr. Raphaël Philippe, Nyon

Available in blister pack as 5 pcs, and 12 pcs.

To be used in combination with DentaSonic Twist, DSG-204

strip coated on both sides



Ref.	DSM15	DSM25	DSM40	DSM60
Opening:	0.1mm	0.15mm	0.2mm	0.3mm
µm:	15 µm	25 µm	40 µm	60 µm
Blister pack:			5 & 12 pieces	

strip coated on 1 side



Ref. left,	DSM-15L	DSM-25L	DSM-40L	DSM-60L
Opening:	0.08mm	0.1mm	0.15mm	0.2mm
µm:	15 µm	25 µm	40 µm	60 µm
Blister pack:		5 & 12 pieces		

strip coated on 1 side

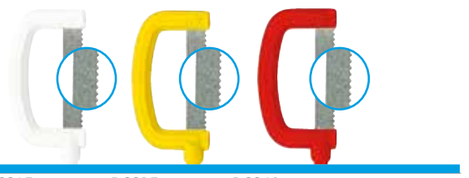


Ref. right	DSM-15R	DSM-25R	DSM-40R	DSM-60R
Opening:	0.08mm	0.1mm	0.15mm	0.2mm
µm:	15 µm	25 µm	40 µm	60 µm
Blister pack:		5 & 12 pieces		

New solution

Suitable for:
- Orthodontic
- Aligner

strip coated on both sides



Ref.	DSS15	DSS25	DSS40
Opening:	0.08mm	0.1mm	0.15mm
µm:	15 µm	25 µm	40 µm
Blister pack:			5 & 12 pieces

DiaSaw besonders geeignete Feilen zur schnellen, sicheren und präzisen, Kontaktpunkt Öffnung in der Kieferorthopädie. Zweiseitig (DSS) Diamant beschichtet mit kalibrierter Stärke. Keine Verletzung des Zahnfleisches am Patient, schneidet nicht das Weichgewege, aber sehr effizient im Zahnschmelzbereich

DiaSaw sono lime seghettate particolarmente adatte per un'apertura più veloce dei punti di contatto. Diamantate sui due lati (DSS) con spessori calibrati. Non ferisce le parti molli, ma molto efficace sullo smalto.

Les lime DiaSaw sont parfaitement adaptées l'ouverture rapide des ponts de contact en orthodontie, tout en étant invasives minimale. Diamantée sur deux cotés (DSS) avec épaisseur calibrée. Ne blesse pas les parties molles, mais très efficace sur l'émail.

Las tiras Diasaw, sierra para la apertura rápida del punto de contacto en ortodoncia. Diamantadas con dos caras (DSS) con grosor calibrado. No daña las partes blandas, pero sí muy eficaz sobre el esmalte.

DiaBee — The Flexible DentaSonic MI-IPR Solution

Minimally-Invasive IPR. The more flexible and thin strips. The safe and gentle system from DentaSonic, protect the enamel of your patients with more flexible and thin strips.

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

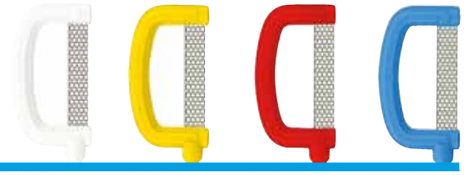
Suitable for:
- Orthodontic
- Aligner

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.

Available in blister pack as 5 pcs, and 12 pcs.

To be used in combination with DentaSonic Twist, DSG-204



Ref.	DSB15	DSB25	DSB40	DSB60
Opening:	0.1mm	0.15mm	0.2mm	0.3mm
µm:	15 µm	25 µm	40 µm	60 µm
Blister pack:		5 & 12 pieces		

DiaBee mit flexibler Wabenstruktur, besonders geeignet zur sicheren, präzisen, minimal-invasiven kieferorthopädischen Präparation. Zweiseitig (DSB) diamant beschichtet. Flexibler als die DiaStrip Feilen Mit kalibrierter Stärke von 0.1 bis 0.3mm

DiaBee con struttura a nido d'ape flessibile, particolarmente adatte per preparazioni ortodontiche invasive minimali sicure e precise. Diamantate su due lati (DSB). Più flessibili rispetto le DiaStrip. Spessori calibrati da 0.1 a 0.3mm.

Les bandes DiaBee avec structure nid d'abeille flexible, sont parfaitement adaptées à la réalisation de préparations orthodontiques sécuritaires et précises, tout en étant invasives minimale. Plus flexibel comparée à les DiaStrip. Diamantée sur deux cotés (DSB). Épaisseur calibrée de 0.1 à 0.3mm.

Las tiras DiaBee con structura panal flexible son especialmente diseñadas para preparaciones seguras, precisas y mínimamente invasivas en ortodoncia. Mas flexible che la tiras DiaStrip. Diamantadas con Dos caras (DSB). Tiras de grosor calibrado de 0.1 fino a 0.3mm.

DiaBee Saw — The Flexible DentaSonic contact point opener

The effective, flexible, safe, and gentle solution from DentaSonic, to open quickly the contact points.

Prevent an unnecessarily excessive reduction of your patients' enamel.

Oscillating DiaBee Saw, especially designed to be flexible and thinner to prevent any injuries of soft tissue, for a safe, quick, minimally-invasive contact point opening. Bilateral targeted thickness saw. No injuries to patients (gums). Does not cut the soft tissue, but is effective for enamel.

Indications
- Opening of tight interdental contact points
- Widening of the interdental spaces in orthodontics by bilateral controlled tooth size reduction, only 0.1mm and 0.2mm

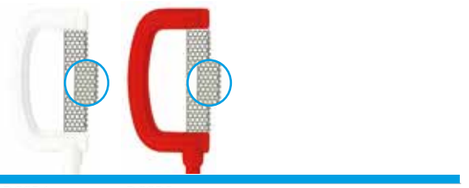
Benefits
- Rapid, controlled, and agreeable opening of the interdental contact points
- No injuries to patients (gums)
- Efficient and fast opening of tight contact areas in IPR treatments
- Very thin and flexible saw.

Available in blister pack as 5 pcs, and 12 pcs.

To be used in combination with DentaSonic Twist, DSG-204

New solution

Suitable for:
- Orthodontic
- Aligner



Ref.	DSSB1	DSSB2
Opening:	0.08mm	0.2mm
µm:	15 µm	40 µm
Blister pack:	5 & 12 pieces	

DiaBee Saw besonders geeignete flexible dünne Feilen zur schnellen, sicheren und präzisen, Kontaktpunkt Öffnung in der Kieferorthopädie. Zweiseitig (DSS) Diamant beschichtet mit kalibrierter Stärke. Keine Verletzung des Zahnfleisches am Patient, schneidet nicht das Weichgewege, aber sehr effizient im Zahnschmelzbereich

DiaBee Saw sono lime flessibili e fini seghettate particolarmente adatte per un'apertura più veloce dei punti di contatto. Diamantate sui due lati (DSS) con spessori calibrati. Non ferisce le parti molli, ma molto efficace sullo smalto.

Les lime flexible et fin DiaBee Saw sont parfaitement adaptées l'ouverture rapide des ponts de contact en orthodontie, tout en étant invasives minimale. Diamantée sur deux cotés (DSS) avec épaisseur calibrée. Ne blesse pas les parties molles, mais très efficace sur l'émail.

Las tiras flexible y fina DiaBee saw, sierra para la apertura rápida del punto de contacto en ortodoncia. Diamantadas con dos caras (DSS) con grosor calibrado. No daña las partes blandas, pero sí muy eficaz sobre el esmalte.

DiaStrip Restorative Contouring, Finishing, Polishing Strips

Resin Diamond coated

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

To create rounded shape after IPR or Restorative treatments.

New solution

Suitable for:

- Orthodontic
- Aligner
- Restorative, Veneers

Oscillating Resin DiaStrips diamond-coated, are especially suitable for safe, precise, and comfortable minimally invasive orthodontic and Restorative contouring, finishing, and polishing. Bilateral or monolateral flexible strips. To recreate natural tooth shape after your MI-IPR.

Indications

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

Benefits

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

Available in Blister pack as 5 pcs, and 12 pcs. To be used in combination with DentaSonic Twist, DSG-204

Resin DiaStrip, extrem flexible und dünne Polyester-Feile mit einer zweiseitigen oder einseitiger Diamantbeschichtung. Hervorragend geeignet zum Konturieren, Finieren und für die Hochglanzpolitur von Approximalbereichen und subgingivalen Oberflächen. Erzeugt wirksam Hochglanz auf Schmelz, Ionomeren und Zementen.

Resin DiaStrip, lima particolarmente flessibile e fine in poliestere rivestita con diamante su uno o due lati. Ottima per la contornatura, finitura e lucidatura a specchio delle aree interprossimali e delle superfici subgengivali, esegue efficacemente la lucidatura a specchio di smalto, compositi e cementi.

Resin DiaStrip, extrêmement flexible et fin en polyester enduit avec diamant d'abrasif ultra fine, sur un ou deux côtés. Excellent pour obtenir un brillantage parfait et pour la finition des surfaces interproximales et les zones sous-gingi vales, lustre efficacement la surface de l'émail, des composites et des ciments.

DiaStrip en resina es una tira muy flexible y fina delgada de poliéster que incorpora una capa de diamante abrasivo ultra fino en una o dos caras (RDS). 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.

Uncoated strip



Ref.	DSS1
Opening:	0.05mm
Blister pack:	5 and 12 pieces

Indications

- Opening bonded contact points!

Benefits

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

strip coated on both sides



Ref.	RDS45	RDS30	RDS15	RDS9
Opening:	0.12mm	0.1mm	0.09mm	0.08mm
µm:	45 µm	30 µm	15 µm	9 µm
Coating:	Diamond			
Blister pack:	12 pieces			

1 side left



Ref.	RDS45L	RDS30L	RDS15L	RDS9L
Opening:	0.12mm	0.1mm	0.09mm	0.08mm
µm:	45 µm	30 µm	15 µm	9 µm
Coating:	Diamond			
Blister pack:	12 pieces			

1 side right



Ref.	RDS45R	RDS30R	RDS15R	RDS9R
Opening:	0.12mm	0.1mm	0.09mm	0.08mm
µm:	45 µm	30 µm	15 µm	9 µm
Coating:	Diamond			
Blister pack:	12 pieces			

PoliStrip Restorative Polishing Strips

The perfect solution for all your approximal polishing treatments. To create a well-rounded shape after IPR treatments.



Oscillating PoliStrip are especially suitable for safe, abrasive precise, comfortable minimally invasive orthodontic polishing. Bilateral, 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 neccessary

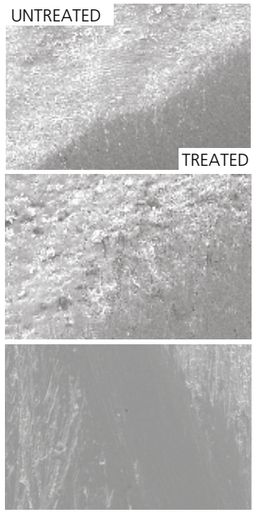
Resin PoliStrip, extrem flexible und dünne Polyester-Feile mit einer zweiseitigen Beschichtung aus ultrafeinen Silizium Schleifpartikeln. Hervorragend geeignet für die Hochglanzpolitur von Approximalbereichen und subgingivalen Oberflächen. Erzeugt wirksam Hochglanz auf Schmelz, Ionomeren und Zementen.

Resin 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 interprossimali e delle superfici subgengivali, esegue efficacemente la lucidatura a specchio di smalto, compositi e cementi.

Resin 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.

PoliStrip en Resina es una tira muy flexible y fina delgada de poliéster que incorpora una capa de silicio abrasiva ultra fina en dos caras (RPS). 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.

Polishing Enamel surface result



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

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

Available in Blister pack as 5 pcs, and 12 pcs.

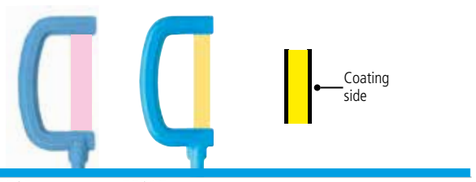
To be used in combination with DentaSonic Twist, DSG-204

New solution

Suitable for:

- Orthodontic
- Aligner
- Restorative, Veneers

strip coated on both sides



Ref.	RPS9	RPS15
Thickness:	0.08mm	0.1mm
µm:	9 µm	15 µm (aluminium oxyde)
Coating:	aluminium oxyde	
Blister pack:		12 pieces

DentaSonic Profi Kit 2 and 1

The ultimative Profi Kit for Minimal Invasive, Accurate and Gentle MI-IPR.

The ultimative Professional Kit in a tin box with a complete range of DiaStrip for the bilateral and monolateral controlled minimally invasive IPR (approximal reduction) 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.

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

Suitable for:
- Orthodontic
- Aligner



Silent handpiece, no vibration. Internal water cooling and interchangeable head

DentaSonic Kits in der praktischen Sortimentbox bieten Ihnen kalibrierte DiaStrips für die einseitige und beidseitige schonende approximale Schmelzreduktion, Konturierung und Polierung in der Kieferorthopädie, bei Schienentherapien sowie restaurativer Zahnheilkunde und Prophylaxe.
Das Professional Duo Kit beinhaltet das neue hochwertige Winkelstück mit integrierter Wasserkühlung und einen zweiten Wechselkopf für Feilen.

Kit professionnel sur étain avec DiaStrip pour la réduction interdentaire bilatérale et monolatérale de l'émail des dentes, la finition proximale et le polissage en orthodontie, aligneurs, et / ou réstorative.
Le kit contient la nouvelle pièce à main oscillante Twist refroidie à l'eau (réduite 4:1), en plus d'une tête séparée (oscillante), pour limes avec RA Ø 2,35 mm.

Kit professionale nella sua confezione in latta con DiaStrip per la riduzione interdentale bilaterale e monolaterale dello smalto dentale, la finitura prossimale, lucidatura in ortodonzia, allineatori trasparenti e / o restaurativa.
Il kit contiene il nuovo manipolo Twist oscillante raffreddato ad acqua (riduzione di 4:1), oltre a una testa separata (oscillante), per lime con RA Ø 2,35 mm.

Kit profesional en lata con DiaStrip para la reducción interdental bilateral y monolateral del tamaño del diente y el acabado y pulido proximal en ortodoncia, alineadores y / o restaurador.
El kit contiene la nueva pieza de mano oscilante enfriada con agua (4: 1 reducida), además de una cabeza separada (oscilante), para lichas con diámetro interior de Ø 2,35 mm.

DentaSonic **Profi Kit 2**

Version 2
Ref: DSPK2
with a second oscillating head



Content: Art. Ref.: DSPK2
- 3 DiaSaw 2 sides
- 1 DiaStrip 2 sides
- 4 DiaStrips 1 side
- 2 Polishing PoliStrip 2 sides
- 2 Debonding polishers
- 1 Measuring gauge with 6 thicknesses: 0.1, 0.15, 0.2, 0.3, 0.4, 0.5mm
- 1 DentaSonic Twist water-cooling HP
- 1 additional DS oscillating head
- 1 extraction tip
- 1 Spray nozzle

DentaSonic **Professional Duo Kit**

Version 1
Ref: DSPK1
with a second rotating head



Content: Art. Ref.: DSPK-1
- 3 DiaSaw 2 sides
- 1 DiaStrip 2 sides
- 4 DiaStrips 1 side
- 2 Polishing PoliStrip 2 sides
- 2 Debonding polishers
- 1 Measuring gauge with 6 thicknesses: 0.1, 0.15, 0.2, 0.3, 0.4, 0.5mm
- 1 DentaSonic Twist water-cooling HP
- 1 additional DS rotating head, ø 2,35mm
- 1 extraction tip
- 1 Spray nozzle

Special package



1 additional reciprocating head



Free voucher for the **1st** reparation / maintenance service with a 2 year guarantee

Prophylaxis

After each enamel IPR treatment, we recommend the use of MI Paste Plus.



Minimally Invasive IPR

A basic set for those that want to start with basic knowledge about MI-IPR.

Basic set: water-cooled handpiece with a 4:1 reduction, and interchangeable head. Box contains 1 measuring gauge, 4 assorted strips, 1 extraction tip and 1 spray nozzle for the bilateral controlled minimally invasive IPR (approximal reduction) of the tooth size and the proximal finishing & polishing in orthodontics, aligning, and/or restoration.

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

Suitable for:

- Orthodontic
- Aligner

Basic Set water cooled

Set name:	**Basic set water-cooled**
Art. Ref. Set:	**DSG4-204**
Stroke:	**4:1**
Pieces:	8
Sterilizable:	Yes
Application:	





NWC Basic Set

Basic set: non-water cooled handpiece with a 4:1 reduction. Box contains 1 measuring gauge, 4 assorted strips, 1 extraction tip, and 1 spray nozzle.

Set name:	**NWC Basic Set**
Art. Ref. Set:	**DSG4-200**
Stroke:	**4:1**
Pieces:	8
Sterilizable:	Yes
Application:	





DentaSonic Handpiece with Interchangeable Head

DentaSonic Twist Handpiece, for comfortable, silent, and vibration- free oscillating treatments.

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

Benefits
- No vibration!
- Really silent!
- Interchangeable head
- Internal water cooling
- 4:1 reduction
- 1.2mm stroke

Suitable for:
- Orthodontic
- Aligner
- Restorative/Veneers
- Prophylaxis

Handpiece Maintenance
To guarantee that the products have a long service-life, please refer to the manufacturer's instructions.

Pflege des Handstücks
Um eine möglichst lange Lebensdauer zu gewährleisten, beachten Sie bitte vor Einsatz des Handstückes die Gebrauchsanweisung.

Manutenzione del manipolo. Per garantire la lunga vita utile del prodotto fare riferimento alle istruzioni del fabbricante.

Entretien de la pièce à main. Pour garantir aux produits une utilisation de longue durée, veuillez vous référer aux instructions du manufacturier.

Mantenimiento de las piezas de mano. Para garantizar una larga vida de los productos, por favor revise las instrucciones del fabricante.





Turn the central ring left, and pull out the head from the handpiece



Article Ref.	DSMM-200
Stroke:	25'000 rpm
Stock:	available
Ideal operation:	









Applicable for Ø 2.35mm



Applicable for Ø 2.35mm Push button

Name:	DS-Twist	DS-Twist 40	DS-One	**DiaStrips Head**	**RA 204 Bur Head**
Article Ref.	DSG-204	DSG-240	DSB-200	DSH-10	DSH-30
Type:	**Int. water cooling**	**Int. water cooling**	–	–	
Stroke:	1,2mm	1,2mm	1,2mm	1.2mm	rotating
Ratio:	green (ring) 4:1	green (ring) 6:1	green (ring) 4:1	–	–
Ideal speed:	max 25'000	max 40'000	max 25'000	–	–
Stock:	available	on demand	until end of stock	available	available
Suitable for:					

Ideal Micromotor Speed Set-Up

Fits with all air and electric micromotors, (ISO) attachment with a speed of:

Important speed advise how to operate with oscillating hand pieces

Wichtiger Geschwindigkeit Hinweis wie oszillierenden Winkelstücke eingestellt werde sollten

Avviso come regolare la velocità operativa con contrangoli oscillatori

Indication comment regler la vitesse des contre anles oscillatoires.

Indicación como reglar la velocidad de piezas de mano oscilatorio

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	too 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	Too fast
Micromotor at 40.000rpm	+	Handpiece ratio 6:1	=	6.666rpm	OK



Debonding

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

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.

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

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.



Set name:	**DS-Debonding-Set**
Art. Ref. Set:	**DB-S6**
Shank type/Shape:	**RA 204 / Cup and Point**
Pieces:	6
Sterilizable:	▶
Application:	■ ■ ■



Set name:	**DS-Debonding Polisher**	
Art. Ref. Refill:	**DB-R21**	**DB-R20**
Shank type/shape:	**204 / Point**	**204 / Cup**
Size (Ø mm)	**5,2 x 10.5**	**6 x 8.3**
Rec. RPM:	3.000 - 5.000	3.000 - 5.000
Pieces:	6	6
Sterilizable:	▶	▶
Application:	■ ■ ■	■ ■ ■

Gauge

DS-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



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

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



Sterilization

Files are currently advertised as being sterilizable for repeated use. NB: The nature of particle entrapment within the grit makes the practice of using recycled files among different patients discretionary.
We advise always to sterilize the files in an autoclave with a cycle B "**prion**". This is in compliance with the EU standard EN13060.

Programme table:	Programmtabelle:	Tabella programmi:	Tableau programmes:	Tabla para programar:			
Sterilization Cycles	Sterilisationszyklen	Cicli di sterilizzazione	Cycles de stérilisation	Ciclos de esterilización	B Standard 134	B Prion 134	B Standard 121
Temperature Pressure	Temperatur Druck	Temperatura Pressione	Température Pression	Temperatura Presión	135.5° C 2.16 bar	135.5° C 2.16 bar	122.5° C 1.14 bar
Duration of the plateau	Dauer der Sterilisationsphase	Durata fase di sterilizzazione	Durée phase de stérilisation	Duración de la meseta	4'	18'	15'
Duration of the drying phase	Dauer der Trockenphase	Durata fase di asciugatura	Durée phase de sechage	Duración de la fase de secado	15'	15'	20'
Total duration:	Gesamtdauer:	Durata totale:	Durée totale:	Duración total ciclo:	MB 17 30'- 40'	44'- 54'	50'- 60'

Die Feilen sind für den wiederholten Einsatz nach jeweiliger Serilisation empfohlen. **Anmerkung:** Wegen der Retention von Partikeln zwischen den Schleifkörnern liegt die Wiederverwendung aufbereiteter Feilen im eigenen Ermessen. Um der EU-Norm EN 13060 zu entsprechen empfehlen wir, die Sterilisation der Feilen im Autoklaven stets mit einem B-Zyklus „Prionen" durchzuführen.

Le lime offerte sono sterilizzabili e riutilizzabili. **NB**: A causa dell'intrappolamento di particelle residue tra i grani di diamante, il riutilizzo delle stesse per più pazienti è di vostra esclusiva discrezione. Noi consigliamo di sterilizzare sempre le lime in autoclave con il programma ciclo B "Prion". In tal modo viene garantita la conformità alla normativa europea EN13060.

La publicité sur les râpes mentionne la possibilité de les stériliser pour un usage répété. **NB**: la nature des particules qui se trouvent coincées dans le grain rend l'utilisation des mêmes râpes sur différents patients sujette à caution. Nous recommandons de toujours stériliser les râpes dans un autoclave avec le cycle B «prion». Ceci afin de respecter le standard EN13060 de l'Union Européenne

Normalmente se anuncia que las limas deben ser esterilizadas para su repetido uso. **Nota**: La naturaleza de las partículas atrapadas dentro de la arenilla hace que la práctica diaria de utilizar limas reciclables entre los diferentes pacientes sea discrecional. Recomendamos esterilizar SIEMPRE las limas en autoclave en el ciclo B. De esta forma, cumplimos también con la normativa Europea Estándar EN13060.

ErgoStrip

Manual Diamond ErgoStrip suitable for safe, precise, orthodontic preparations. Bilateral and/or monolateral, predefined thickness strips, for controlled IPR reduction/correction, and finishing & polishing in orthodontics or restorations.

Suitable for:
- Orthodontic
- Aligner



Finger Grip design
for better tactile control & perfect grip

Manuelle ErgoStrips geeignet zur sicheren, präzisen, minimalinvasiven kieferorthopädischen Präparation. Zweiseitig (ESM) und/oder einseitig (ESM1) diamantiert. Hervorragende Feilen mit exakt kalibrierter Stärke zur kontrollierten Schaffung approximaler Abstände.

Le lime manuali ErgoStrip sono adatte per preparazioni ortodontiche invasive minimali 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 le moins invasives possible.
Diamantée sur deux cotés (ESM) et / ou uen coté (ESM1). Épaisseur calibrée, pour une réduction interproximale contrôlée.

Las tiras manuales ErgoStrip están especialmente diseñadas para preparaciones seguras, precisas y mínimamente invasivas en ortodoncia. Dos caras (ESM) y/o una cara (ESM1). Tiras de grosor perfectamente calibrado para controlar la reducción interproximal.



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:	0.10mm	0.15mm	0.20mm	0.30mm
Article Ref. 1 side:	**ESM1-15**	**ESM1-25**	**ESM1-40**	**ESM1-60**
Thickness 1 side:	0.08mm	0.10mm	0.15mm	0.20mm
Packaging refills:	4 or 8 pieces	4 or 8 pieces	4 or 8 pieces	4 or 8 pieces

Thickness= +/- 0.05mm

ErgoSaw

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

Suitable for:
- Orthodontic
- Aligner

ErgoSaw ist besonders geeignet zur schnellen, sicheren und präzisen Kontaktpunktöffnung in der Kieferorthopädie. Zweiseitig (DSS) diamantbeschichtet mit kalibrierter Stärke.

ErgoSaw sono lime seghettate adatte per un'apertura più veloce dei punti di contatto. Diamantate sui due lati (DSS) con spessori calibrati.

Les bandes ErgoSaw sont parfaitement adaptées l'ouverture rapide des ponts de contact en orthodontie, tout en étant invasives minimale. Diamantée sur deux cotés (DSS) avec épaisseur calibrée.

Las tiras Ergosaw, sierra para la apertura rápida del punto de contacto en ortodoncia. Diamantadas con dos caras (DSS) con grosor calibrado.



No diamond coating
Nicht diamantbeschichtet
Non diamantata
Pas diamantée
Sin diamante

Name:	ErgoStrip Saw
Article Ref. 2 side:	**ESS-1**
Grain µm:	40 µm, No diamond, serrated
Thickness 2 sides:	0.05mm
Packaging refills:	4 pieces

Thickness= +/- 0.05mm



Name:	ErgoStrip Saw	ErgoStrip Saw	ErgoStrip Saw
Article Ref. 2 side:	**ESS-15**	**ESS-25**	**ESS-40**
Grain µm:	15 µm	25 µm	40 µm
Thickness 2 sides:	0.08mm	0.12mm	0.17mm
Packaging refills:	4 or 8 pieces	4 or 8 pieces	4 or 8 pieces

Thickness= +/- 0.05mm

ErgoBee

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

DiaBee mit flexibler Wabenstruktur, besonders geeignet zur sicheren, präzisen, minimal-invasiven kieferorthopädischen Präparation. Zweiseitig (DSB) diamantbeschichtet.
Mit kalibrierter Stärke zur kontrollierten Schaffung approximaler Korrektur, Konturierung und zum Polieren.

ErgoBee con struttura a nido d'ape flessibile, particolarmente adatte per preparazioni ortodontiche invasive minimali sicure e precise. Diamantate su due lati (DSB).
Spessori calibrati, per la riduzione, finitura e lucidatura interprossimale controllata.

Les bandes ErgoBee avec structure nid d'abeille flexible, sont parfaitement adaptées à la réalisation de préparations orthodontiques sécuritaires et précises, tout en étant invasives minimale.
Diamantée sur deux cotés (DSB). Épaisseur calibrée, pour la correction, finissage et polissage interproximale contrôlée.

Las tiras ErgoBee con structura panal flexible son especialmente diseñadas para preparaciones seguras, precisas y mínimamente invasivas en ortodoncia.
Diamantadas con Dos caras (DSB). Tiras de grosor calibrado para controlar la corrección, contornear y brillantar interproximal.



Name:	ErgoBee	ErgoBee	ErgoBee	ErgoBee
Article Ref. 2 sides:	**ESB-15**	**ESB-25**	**ESB-40**	**ESB-60**
Grain µm:	15 µm	25 µm	40 µm	60 µm
Thickness 2 sides:	0.08mm	0.12mm	0.17mm	0.25mm
Packaging refills:	4 or 8 pieces	4 or 8 pieces	4 or 8 pieces	4 or 8 pieces

Thickness= +/- 0.05mm

Ergo DiaStrip

Flexible Resin Diamond Finishing strip

Restorative Finishing Tools

Single-handed Resin Diamond PoliStrip for a monolateral approximal contouring, finishing & polishing restoration. To create a rounded shape after IPR or restorative treatments.

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



Finger Grip design for better tactile control & perfect grip

Resin DiaStrip, extrem flexible und dünne Polyester-Feile mit einer einseitiger Diamantbeschichtung. Hervorragend geeignet zum Konturieren, Finieren und für die Hochglanzpolitur von Approximalbereichen und subgingivalen Oberflächen. Erzeugt wirksam Hochglanz auf Schmelz, Ionomeren und Zementen.

Resin DiaStrip, lima particolarmente flessibile e fine in poliestere rivestita con diamante su un lato. Ottima per la contornatura, finitura e lucidatura a specchio delle aree interprossimali e delle superfici subgengivali, esegue efficacemente la lucidatura a specchio di smalto, compositi e cementi.

Resin DiaStrip, extrêmement flexible et fin en polyester enduit avec diamant d'abrasif ultra fine, sur un côté. 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.

DiaStrip en resina es una tira muy flexible y fina delgada de poliéster que incorpora una capa de diamante abrasivo ultra fino en una cara (RDS). 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.

Refill





Name:	ErgoStrip	ErgoStrip	ErgoStrip	ErgoStrip	ErgoStrip
Art.ref. 4 pcs:	**ES-60**	**ES-45**	**ES-30**	**ES-15**	**ES-9**
Art.ref. 8 pcs:	**ES8-60**	**ES8-45**	**ES8-30**	**ES8-15**	**ES8-9**
Coating side:	1 side	1 side	1 side	1 side	1 side
Grain µm:	60 µm	45 µm	30 µm	15 µm	9 µm
Coating:	Diamond				
Thickness:	0.15mm	0.12mm	0.10mm	0.09mm	0.08mm
Packaging refills:	12 pieces	12 pieces	12 pieces	12 pieces	12 pieces

Ergo PoliStrip

Restorative Polishing Tools

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

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

New solution

Suitable for:

- Orthodontic
- Aligner
- Restorative, Veneers

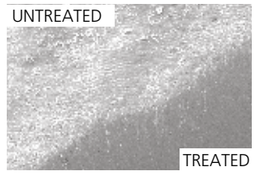
Resin Ergo PoliStrip, extrem flexible und dünne Polyester-Feile mit einseitiger Beschichtung aus ultrafeinen Silizium-Schleifpartikeln. Hervorragend geeignet zum Finieren und für die Hochglanzpolitur von Approximalbereichen und subgingivalen Oberflächen. Erzeugt wirksam Hochglanz auf Schmelz, Ionomeren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

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

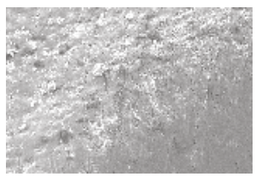
Resin Ergo PoliStrip, extrêmement flexible et fin en polyester enduit avec oxyde d'aluminium d'abrasif ultra fine, sur une côté. Excellent pour obtenir un brillantage parfait et pour la finition des surfaces interproximales et les zones sous-gingivales, lustre efficacement la surface de l'émail, des 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 una cara (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.

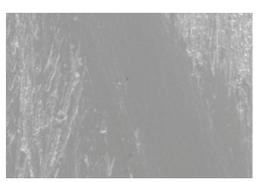
Polishing Enamel-Surface Result



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



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

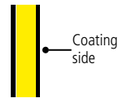


Treated enamel surface (40µm) and center treated with Resin PoliStrip 15µm SEM enlargement 2000x

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







Name:	Ergo PoliStrip
Article Ref. 1 side:	**REPS-15**
Thickness mm:	0.09
Grit µm:	15
Coating: aluminium oxyde	
Packaging refills:	8 pieces

RESTOSTRIP
Resin Diamond Strips

New, smart, resin diamond-coated strip, for approximal mesially and distally finishing restoration

Dentasonic Resin Diamond RestoStrip System is an innovative new precision polyester (resin) diamond-coated dental strip designed to achieve ideal approximal contact adjustment and a complete marginal seating of crowns, veneers, inlays/onlays, and an approximal contouring of composite fillings – accurately and with minimum time and effort.

Suitable also for orthodontic enamel correction/reduction. Pass Gently and buccolingually only pass the strip back and forth. Available as classic long (matrix) strip, and also as a manual strip in single-hand design; also for handpiece driven strips in one and two-side versions.

New solution

Suitable for:
- Orthodontic
- Aligner
- Restorative, Veneers

Suitable for:
- enamel
- composite
- ceramic
- zirconia

Available as:
- long strip
- single-handed strip
- handpiece strip
- 2 sided strips

BENEFITS

1. Coated with **diamond** grain, short treatment
2. Very tear resistant
3. Available in five grades
4. Extremely thin and flexible material, offering excellent adaptability even between tight interproximal contacts
5. Autoclavable

Indication:

• Coarse	= preparation
• Medium	= final preparation
• Fine	= finishing
• Extra fine	= polishing
• Ultra fine	= glossing

Dimond Grain:

60
45
30
15
9



Name:	RestoStrip	RestoStrip	RestoStrip	RestoStrip	RestoStrip
Article Ref. No.:	**RS-60**	**RS-45**	**RS-30**	**RS-15**	**RS-09**
Thickness mm:	0.15	0.12	0.10	0.09	0.08
Grit µm:	60	45	30	15	9
Size:	150 x 3mm	150 x 3mm	150 x 3mm	150 x 3mm	150 x 3mm
Packaging refill:	15 pieces	15 pieces	15 pieces	15 pieces	15 pieces

User Information - Hygiene Recommendations

User information
- Use an adequate supply of water spray in order not to damage the tooth and contiguous tissues. The water should be distributed over the entire length of the working part. A deflection of the coolant jet can cause heat-related damages.
- Immediately remove any instruments that are damaged or bent.
- Pressure should be 0.3 - 2N (30 - 200p) for Strip instruments.
- The turbine, right-angle and handpiece must all be in perfect technical condition.
- Insert the instruments carefully and without using force.
- Avoid canting or levering when grinding.
- Observe the recommended speeds indicated in the table below and on the package.
- Full speed should be reached outside the mouth of the patient. Technicians should run the handpiece at full speed before application to the product on which they work.

Hygiene recommendations (desinfection, cleaning, sterilization and storage of the DS instruments).

- **Rotating and oscillating instruments must always be disinfected, cleaned and sterilized before they are used on patients.**
- **Place the used instruments in an ultrasonic cleaner with a special disinfectant containing a corrosion inhibitor additive.**

The instruments should not be immersed too long in the solution to ensure that the colour coding is not removed.
Do not use highly aggressive chemical products (e.g. hydrochloric acid, hydrogen peroxide), as they could corrode the instruments.

These substances can also impair the technical properties of the plastics, i.e. change their hardness and durability.

- Clean the instruments in an ultrasonic bath or under running water (preferably distilled water).
- After cleaning, immediately dry the instruments otherwise they can corrode.
- Before sterilization, place the instruments in stands and trays suitable for sterilization.
- Sterilize the instruments. Autoclave: 18 min. 134°C, 2 bars. Hot air: 180°C. Also see page 27.
- After sterilization, keep the instruments in a dust-free place. Instruments used for surgery should be kept in sealed containers.

Anwendungshinweise - Hygiene-Empfehlungen

Anwendungshinweise
- Wir bitten die Anwender um reichliche Wasserkühlung, um Schädigungen des Zahnes und der umliegenden Gewebe zu vermeiden. Durch eine Sprayablenkung können Hitzeschäden verursacht werden.
- Beschädigte, verbogene oder nicht mehr rundlaufende Instrumente sind sofort auszusortieren und nicht mehr zu verwenden.
- Bitte beachten Sie den Arbeitsdruck von 0.3 - 2N (30 - 200p) für alle Feilen-Instrumente; also bitte möglichst drucklos arbeiten.
- Turbine, Hand- und Winkelstück müssen sich in einem technisch einwandfreien Zustand befinden.
- Die Instrumente sind vorsichtig und ohne Gewaltanwendung in das Winkelstück einzusetzen.
- Wir bitten "nicht ziehend" zu arbeiten. Beim Schleifen sind Verkanten und Hebel zu vermeiden.
- Bitte beachten Sie die Hinweise über empfohlene Drehzahlen auf der nachstehenden Tabelle und auf den Verpackungen.
- Das Instrument bitte stets ausserhalb des Mundes des Patienten auf Arbeitsdrehzahl bringen (Techniker: vor dem Ansetzen an das Objekt auf die volle Arbeitsdrehzahl bringen).

Hygiene-Empfehlungen (Desinfektion, Reinigung, Sterilisation und Lagerung von DS Diamant-Instrumenten).

- **Vor dem Einsatz an Patienten sind rotierende und oszillierende Schleifinstrumenten zu desinfizieren, zu reinigen und zu sterilisieren.**
- **Die verwendeten Instrumente in ein Ultraschallbad mit einer speziellen Desinfektionslösung mit Korrosionsschutzzusatz legen.**

Die Instrumente dürfen nicht zu lange in der Lösung liegen, damit die Farbkodierung nicht verloren geht. Keine zu aggressiven chemischen Produkte (z.B. Salzsäure, Wasserstoffperoxid usw.) verwenden, da sie die Instrumente angreifen könnten.

Diese Substanzen können ausserdem die technischen Eigenschaften der Kunststoffe beeinträchtigen, d.h. deren Härte und Haltbarkeit verändern.
Die technischen Eigenschaften der Kunststoffe können vermindert werden und somit nicht mehr die nötige Stärke und Haltung gewährleisten.

- Anschliessend die Instrumente im Ultraschallbad oder unter fliessendem Wasser (destilliertes Wasser ist besser) reinigen.
- Instrumente sofort trocknen, sonst besteht Korrosionsgefahr.
- Vor dem Sterilisieren die Instrumente in sterilisationsgeeignete Ständer und Schalen (z.B. SteryTray) legen.
- Sterilisation Autoklav: 18 Min. bei 134°C, 2 Bar. Heissluft: 180°C. Siehe Tabelle auf Seite 27.
- Instrumente nach der Sterilisation staubfrei in Ständern oder Schalen aufbewahren. Bei chirurgischen Anwendungen in geschlossenen Behältern aufbewahren.

DS Product symbol	DS Produkt-etikett-Symbole
Manufacturer	Produzent
Disposable	Einweg-Produkt
Usable several times	Mehrfach verwendbar
Information	Informationen
Recycling	Recycling
Controlled elimination	Kontrollierte Entsorgung
LOT number	LOT Nummer
EU Representative	EU Vertreter

Istruzioni Per L'uso - Raccomandazioni Igieniche

Istruzioni per l'uso

- Assicurare un raffreddamento abbondante tramite spray onde evitare eventuali lesioni al dente e al tessuto circostante. Il liquido di raffreddamento deve essere ripartito su tutta la superficie attiva dello strumento. La deviazione della traiettoria dello spray potrebbe causare lesioni di origine termica.
- Per gli strumenti con una lunghezza superiore a 19 mm e/o un diametro della parte attiva superiore a 2 mm è necessario un raffreddamento supplementare.
- Gli strumenti deteriorati (ad esempio quelli che presentano una superficie abrasiva irregolare o ricoperta da grumoli di nichel), gli strumenti piegati e quelli con una rotazione eccentrica devono essere immediatamente eliminati e non più riutilizzati in quanto potrebbero ca usare delle ferite sia al dentista/protesista che al paziente.
- La pressione di lavoro deve situarsi tra 0,3 e 2N (da 30 a 200 p). Evitare assolutamente una pressione esagerata, in modo particolare per gli strumenti oscillatori.
- Introdurre la lima nella turbina con precauzione e senza esagerare nel forzare, girare contemporaneamente verso sinistra e verso destra, fino a quando sentite che la lima é ben fissata.
- I contrangoli ed i manipoli devono essere in perfetto stato.
- Evitare di contornare e di far leva sullo strumento durante la lavorazione.
- Rispettare la velocità massima di rotazione indicata nella tabella sottostante e sull'imballaggio.
- Portare sempre lo strumento alla velocità di lavoro consigliata fuori dalla bocca del paziente e prima di entrare in contatto con l'oggetto da preparare.

Raccomandazioni igieniche (disinfezione, pulizia, sterilizzazione e stoccaggio degli strumenti diamantati DS).

- **Prima di essere utilizzati sul paziente gli strumenti rotanti e oscillanti devono sempre essere disinfettati, puliti e sterilizzati.**
- **Collocare gli strumenti utilizzati in un bagno ad ultrasuoni con una speciale soluzione disinfettante contenente additivi anticorrosivi.** Non lasciare gli strumenti nella soluzione per troppo tempo poichè la codifica colorata potrebbe scomparire. Non utilizzare prodotti chimici troppo aggressivi (ad es. acido cloridrico, acqua ossigenata,…) in quanto potrebbero intaccare gli strumenti.
  Gli acidi corrosivi possono anche alterare le propietà tecniche dei materiali sintetici riducendone quindi la loro durezza e tenuta.
- Pulire/risciaquare gli strumenti in un bagno di acqua o con acqua distillata.
- Asciugare immediatamente gli strumenti, altrimenti vi è il rischio di corrosione.
- Prima della sterilizzazione, collocare gli strumenti su dei supporti adatti a tale scopo. Esempio (SteryStrip Holder)
- Sterilizzare. Autoclave: 18 min. 134°C, 2 bars. Aria calda: 180°C. Vedi anche tabella a pag. 27
- Dopo la sterilizzazione conservare gli strumenti, su dei supporti o in recipienti, in un luogo asciutto ed esente da polvere. Se utilizzati a scopo chirurgico, conservare gli strumenti in recipienti chiusi.

Conseils Pour L'emploi - Recommandations Pour L'hygiène

Conseils pour l'emploi

- Assurer un refroidissement suffisant à l'aide d'un spray afin d'éviter une détérioration de la dent et de son environnement. Le spray doit être reparti sur toute la longueur active de l'instrument. Une déviation du spray pourrait causer des lésions d'origine thermique.
- Enlever immédiatement les instruments émoussés ainsi que les instruments tordus.
- Prière de bien observer la pression de travail prescrite de 0.3 - 2N (30 - 200p) pour les bandes; c'est à dire travailler si possible sans pression.
- Les contre-angles et pièces à main doivent être en parfait état.
- Introduire les instruments soigneusement et sans forcer tros, tounez vers gauche et droite, jusqu'au la bande est bien fixé.
- Travailler sans tirer, éviter de faire levier et de pivoter sur l'arête.
- Respecter absolument les vitesses de rotation conseillées indiquées dans le tableau ci-dessous et sur l'emballage.
- Amener l'instrument à sa vitesse de rotation de travail en dehors de la bouche du patient (pour le prothésiste: porter la rotation à pleine vitesse avant d'appliquer l'instrument sur l'objet à travailler).

Recommandations pour l'hygiène (disinfection nettoyage, sterilization et stockage des instruments Diamantés DS).

- **Les instruments abrasif rotatifs et oscillantes doivent toujours être désinfectés, nettoyés et stérilisés avant d'être utilisés sur le patient.**
- **Déposer immédiatement les instruments utilisés dans un bain spécial de désinfection et de nettoyage contenant un additif anti-corrosion pour ultrasons.**

  Ne pas les laisser trop longtemps dans le bain car le liquide pourrait effacer les marques colorées de codage.

  N'utiliser pas des produits trops aggresifs (par exemple l'eau oxygénée, l'acide chlorhydrique, ...), car ils pourraient déteriorer les instruments. Les matériaux syntétiques peuvent perdre leur proprieté technique et perdre leur stabilité voir leur tenue.
  Les materielles syntétiques peuvent perdre leur proprieté technique et perdre leur stabilité e tenue.
- Nettoyer les instruments dans un bain à ultrasons ou à l'eau courante (mieux encore avec de l'eau distillée).
- Sécher immédiatement les instruments, autrement il y a risque de corosion.
- Avant la stérilisation, placer les instruments sur des supports et dans des récipients appropriés. Par éxemple SteryStrip Holder.
- Stériliser les instruments. Autoclave: 18 min. 134°C, 2 bars. Air chaud: 180°C
  Voir à page 27.
- Après leur stérilization, conserver les instrumets à l'abri de la poussière sur des supports ou dans des récipients. Si les instruments sont utilisés pour la chirurgie, conserver les dans des récipients fermés.

	Simboli etichette DS	Symbol des etiquettes DS
	Fabbricante	Fabricant
	Monouso	Jetable
non sterile	Riutilizzabile più volte	Plusieurs utilisation
	Informazioni	Informations
	Riciclaggio	Recyclage
	Smaltimento controllato	Elimination controlée
LOT	No. di Lotto	Numero de LOT
EC REP	Rapp. Europeo	Représentant Européen

Observaciones para su uso - Recomendaciones para la higiene

Observaciones para su uso.

- Rogamos aplicar una cantidad adecuada de agua, para evitar daños en el diente y en los tejidos que lo rodean. El agua debe distribuirse sobre toda la longitud de la pieza de trabajo. Una desviación del spray puede ocasionar lesiones debido a sobrecalentamiento.
- Los instrumentos dañados, doblados o que hayan perdido su giro concéntrico deberán desecharse inmediatamente.
- La presión de trabajo debe ser igual a 0,3 - 2N (30 - 200p) para todas las lijas; es decir, que deberán trabajar con la menor presión posible.
- La turbina, el ángulo derecho y la pieza de mano deberán hallarse en perfectas condiciones técnicas.
- Los instrumentos deberán introducirse cuidadosamente y sin utilizar la fuerza. Los instrumentos miniatura únicamente deberán fijarse hasta el final de la zona cilíndrica.
- Durante la abrasión, es preciso evitar los movimientos pivotantes, de
  ladeos y palanca de la fresa sobre la pieza a tratar.
- Rogamos respetar las instrucciones relativas al número de revoluciones que se indican en la siguiente tabla y en los envases.
- Rogamos alcanzar la velocidad máxima fuera de la boca del paciente. Los técnicos deben acelerar la pieza de mano a máxima velocidad antes de aplicarla al producto sobre el que se está utilizando.

Recomendaciones para la higiene (desinfección, limpieza, esterilización y almacenamiento de los instrumentos DS).

- Los instrumentos rotatorios y oscilatorios deberán someterse siempre a una desinfección, limpieza y esterilización antes de utilizarlos en pacientes.
- **Los instrumentos utilizados deberán sumergirse inmediatamente en una solución de desinfección con protección anticorrosión.** En este baño ultrásonico los instrumentos deben dejarse durante un corto tiempo para evitar que se desprenda su código de color. Es preciso evitar los productos químicos agresivos (por ejemplo, acido clorhídrico, agua oxigenada,…), ya que pueden oxidar los instrumentos.
  Estas sustancias también puede afectar las características técnicas de los plásticos, es decir cambiar su dureza y durabilidad.
- Limpiar los instrumentos en un baño ultrasónico o bajo agua corriente (preferentemente agua destilada).
- Secar los instrumentos inmediatamente después de su limpieza para evitar el riesgo de corrosión.
- Antes de esterilizarlos, colocar los instrumentos en soportes y bandejas adecuados para la esterilización.
- Esterilizar los instrumentos. Autoclave: 18 min. 134°C, bars. Aire caliente: 180°C. Ver a pagina27.
- Después de la esterilización, los instrumentos deben conservarse en lugares libres de polvo. Para el uso quirúrgico deberán conservarse en recipientes sellados.

Simbolos de productos DS

- Productor
- Dichesable
- Reutilizabel mas veces
- Informaticción
- Reciclable
- Eliminacción controlada
- Nu. de Lote
- Representante Europeo

Marketing Support, Catalogue, Leaflet's, IFU



5

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1



2



3



4



6



7

1- Instruction for targeted Mi-IPR
2- Patience information regarding crowded Teeths.
3- Instruction of use and safety recommendation for DiaStrips
4- General Catalogue
5- Table A3 Roll-Up
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