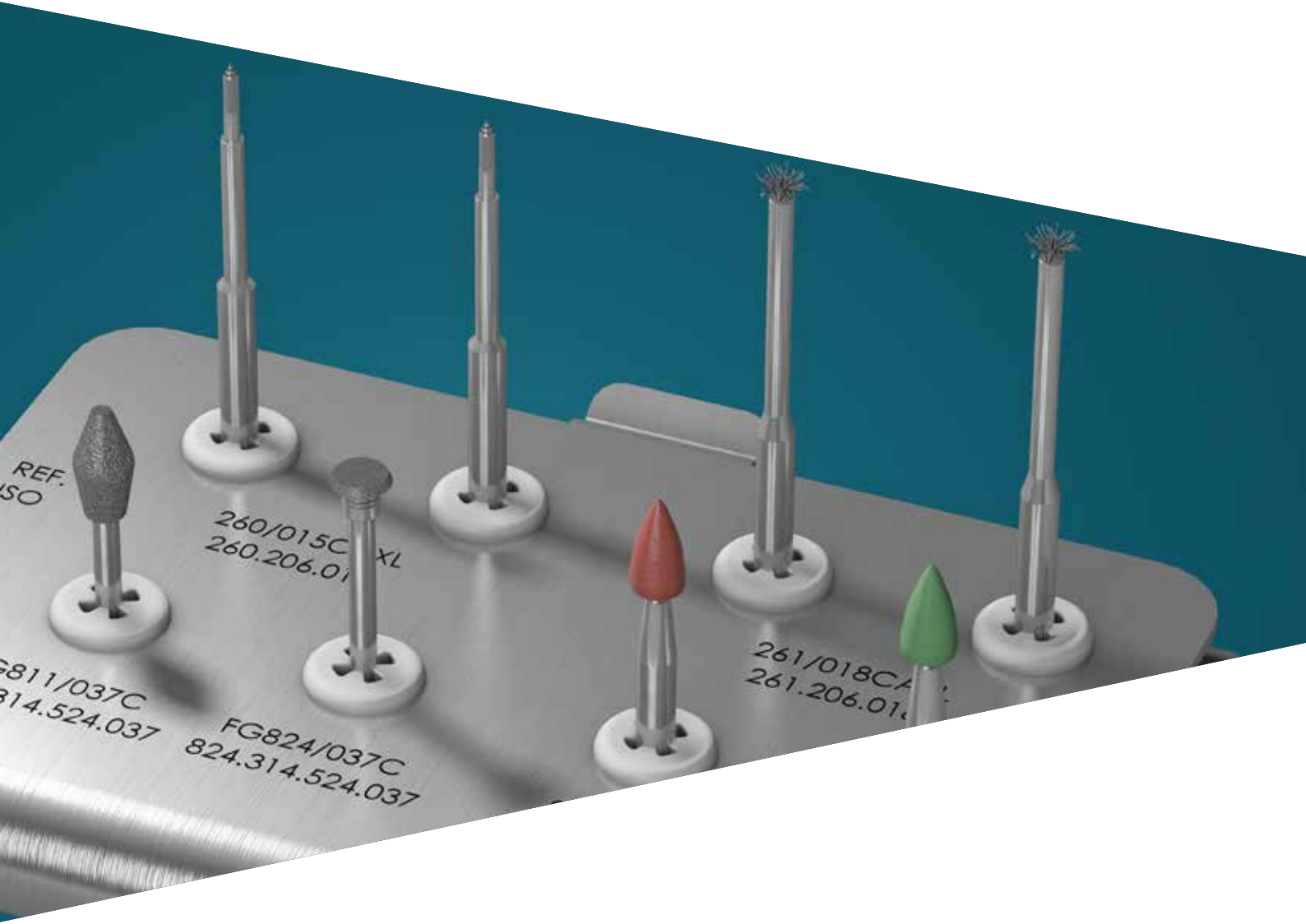


# Oral Surgery & Implantology Complementaries





# Oral Surgery & Implantology Complementaries

As an industry leader for more than 40 year, Sweden & Martina have been at the forefront in the design, manufacturing and distribution of Dental Implants. By collaborating with the most accomplished Scientific Societies, Universities and world renowned clinicians have been able to produce an exceptional range of instruments and integral surgical accessories to assist in clinical excellence during specialist oral surgery procedures.



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# Sutures

## Synthetic absorbable and non absorbable sutures

The range of sutures by Sweden & Martina includes a combination of synthetic sutures, both absorbable and non absorbable, with cylindrical, cutting and tapercut needles of different lengths.



## Needles

The traditional needles are manufactured in surgical stainless steel AISI 316. Series 300 is an ideal alloy for the dental procedures: very low risk of oxidation, high resistance, extreme ductility, high smoothness.

Moreover, the range includes also some series 300 needles which are produced in an even more resistant steel and which surface is treated with a special hardening process which makes the surface “burnished”.

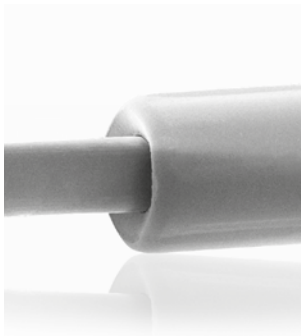
The so called “black” needle grants higher resistance values and a better penetrability.

Furthermore, the black surface makes the needle easily visible also in presence of blood.

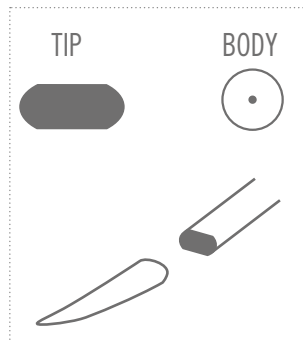
The black needles are available with Polimid.

## Atraumatic morphology

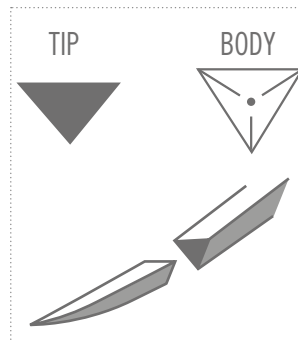
The atraumatic characteristic of Sweden & Martina’s needles is due to the specific morphology of the needle’s tie, with a “close passage” through which the thread is perfectly joined to the needle keeping it in the middle, reducing then the “step” between the edge of the needle and the head of the thread.



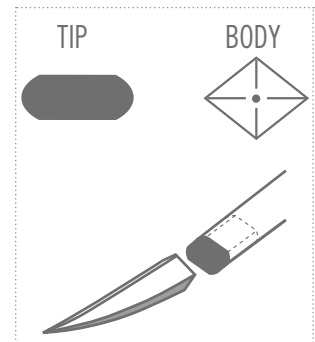
Needle’s tie, “close-passage” type, SEM image



Cylindrical needle  
Cylindrical body, flattened laterally, tapering tip



Cutting needle  
Triangular body, triangular cutting tip



Tapercut needle  
Cylindrical body with lateral flattening for an easier grip, quadrangular tip

## Polimid BLACK NEEDLE

Pseudo single thread suture consisting of filaments twined in polyamide 6.  
Covering: external polyamide 6 sheath.



### Features:

Extremely easy to knot  
Good strain resistance  
Non capillarity  
Black needle, for higher tensile strength, penetration and visibility  
Color: black.  
Length: 60 cm.



## Resorb

Covering: microthin polycaprolacton membrane and calcium stearatus.  
Absorption: 90 days.

### Features:

Extremely smooth and soft  
Easy to knot  
Color: violet.  
Length: 60 cm.  
Package: 36 pieces.



## Resorb Fast

Multi thread polyglycolic acid-braided suture  
Covering: microthin polycaprolacton membrane and calcium stearatus.  
Absorption: 42 days.

### Features:

Fast absorption  
Extremely smooth and soft  
Easy to knot  
Color: violet.  
Length: 60 cm.  
Package: 36 pieces.



code	needle code	needle size	needle shape	size U.S.P.
<i>Cutting 3/8C</i> ▼				
<b>PM-C3134N</b>	C3	13,1	3/8C	4-0
<b>PM-C3135N</b>	C3	13,1	3/8C	5-0
<b>PM-C3163N</b>	C3	16,2	3/8C	3-0
<b>PM-C3164N</b>	C3	16,2	3/8C	4-0
<b>PM-C3183N</b>	C3	18,7	3/8C	3-0
<b>PM-C3184N</b>	C3	18,7	3/8C	4-0
<i>Cylindrical 1/2C</i> ⊙				
<b>PM-T1183N</b>	T1	18	1/2C	3-0
<b>PM-T1184N</b>	T1	18	1/2C	4-0
<i>Tapercutting</i> ⬄				
<b>PM-TP3173N</b>	TP3	17	3/8C	3-0
<b>PM-TP1174N</b>	TP1	17,4	1/2C	4-0

code	needle code	needle size	needle shape	size U.S.P.
<i>Cutting 3/8C</i> ▼				
<b>R-C3087</b>	C3	8	3/8C	7-0
<b>R-C3134</b>	C3	13,1	3/8C	4-0
<b>R-C3135</b>	C3	13,1	3/8C	5-0
<b>R-C3136</b>	C3	13,1	3/8C	6-0
<b>R-C3163</b>	C3	16,2	3/8C	3-0
<b>R-C3164</b>	C3	16,2	3/8C	4-0
<b>R-C3165</b>	C3	16,2	3/8C	5-0
<b>R-C3183</b>	C3	18,7	3/8C	3-0
<b>R-C3184</b>	C3	18,7	3/8C	4-0
<i>Cylindrical 1/2C</i> ⊙				
<b>R-T1174</b>	T1	17,4	1/2C	4-0
<b>R-T1203</b>	T1	20	1/2C	3-0
<b>R-T1204</b>	T1	20	1/2C	4-0
<i>Tapercutting</i> ⬄				
<b>R-TP3106</b>	TP3	10	3/8C	6-0
<b>R-TP3174</b>	TP3	17,4	3/8C	4-0

code	needle code	needle size	needle shape	size U.S.P.
<i>Cutting 3/8C</i> ▼				
<b>RF-C3134</b>	C3	13,1	3/8C	4-0
<b>RF-C3135</b>	C3	13,1	3/8C	5-0
<b>RF-C3164</b>	C3	16,2	3/8C	4-0
<i>Cylindrical 1/2C</i> ⊙				
<b>RF-T1174</b>	T1	17,4	1/2C	4-0
<i>Tapercutting</i> ⬄				
<b>RF-TP3174</b>	TP3	17,4	3/8C	4-0

# Monosoft

## Non-absorbable PTFE suture



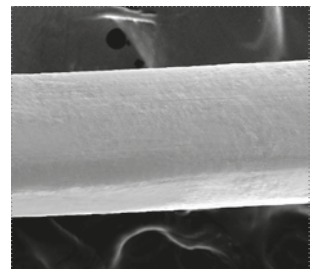
Appreciated by the most demanding doctors, PTFE sutures are ideal in any implant and periodontal procedures where to limit the bacterial adhesion and the possible inflammation is recommended.

Monosoft is a non-absorbable **monofilament** suture, white (undied). It is:

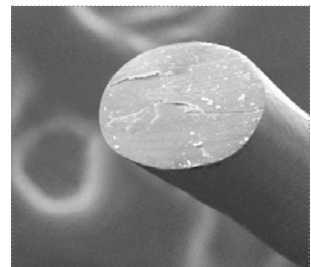
- extremely soft;
- resistant but elastic, easily extensible when edema or post-surgical swelling occur;
- easy to be handled as if it were silk, but, being monofilament, resistant to the bacterial infiltrate and plaque adhesion: the result is healthy tissue with no inflammatory reactions or retractions;
- biologically inert, exceptionally well-tolerated in the oral cavity;
- almost null, or very low risk of inflammatory reactions;
- exceptional holding of the stitches: they do not tear and do not lacerate the tissues.

### Application fields

- Regenerative surgery (mesh and membrane implantation, bone grafts); horizontal and vertical mattress stitches.
- Mucogingival surgery, both on natural teeth and on implants.
- Immediate loading implants in aesthetic areas: in order to fit the flap to the provisional.
- in periodontology.



Monosoft thread, SEM image



Monosoft thread section, SEM image

code	needle code	needle size	needle shape	size U.S.P
<i>Cutting</i> ▼				
<b>MS-C3163</b>	C3	16	3/8C	3-0
<b>MS-C3124</b>	C3	12	3/8C	4-0
<b>MS-C3135</b>	C3	13	3/8C	5-0
<i>Tapercutting</i> ⊕				
<b>MS-TP3183</b>	TP3	18	3/8C	3-0
<b>MS-TP3154</b>	TP3	15	3/8C	4-0
<b>MS-TP3185</b>	TP3	18	3/8C	5-0
<b>MS-TP1173</b>	TP1	17	1/2C	3-0
<b>MS-TP1174</b>	TP1	17	1/2C	4-0

The PTFE thread, due to the characteristics of its material, has a diameter slightly smaller than the other threads, then a diameter larger than that chosen for the other non-absorbable threads is recommended

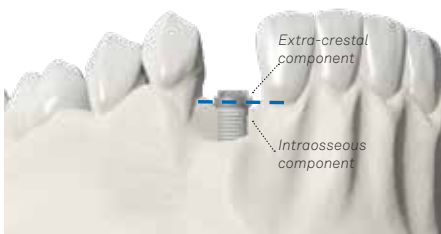
# PERI-SET

## Surgical treatment of defects caused by periimplantitis

Periimplantitis represents the most serious site-specific biological complication which affects osseointegrated dental implants following prosthetic restoration. The distinctive feature of this pathology is periimplant bone reabsorption, which can manifest itself both vertically and horizontally, or better three-dimensionally, exposing part of the body and threads of the implant.

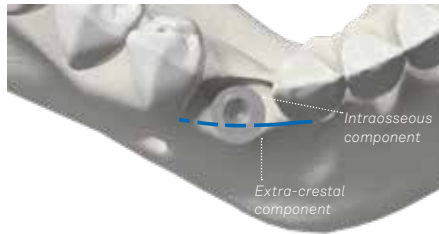


Healthy implant



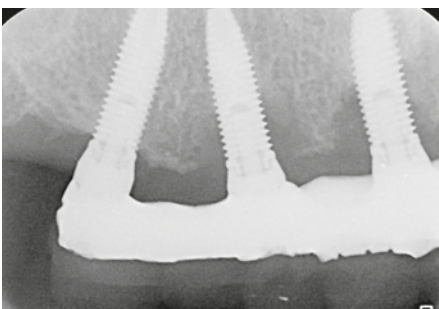
Implant with periimplantitis

Three-dimensional view of the same periimplant defect (occlusal view and vestibular view)

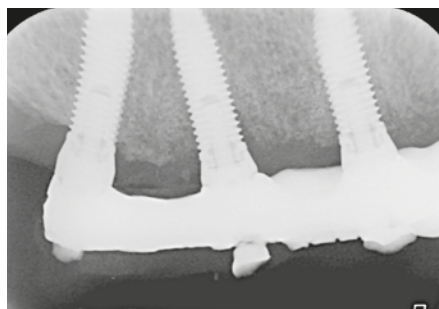


PERI-SET was created by the collaboration between two Italian doctors, dr. Giuseppe Corrente and dr. Roberto Abundo who, over the years, have perfected effective and repeatable sequences to recover situations which were seriously compromised due to periimplantitis. Their experience has influenced the presence of different types of instruments in the PERI-SET kit, whose use depends on the anatomical features of the periimplant defect to be treated. The follow-up of numerous cases treated confirms the real possibility of recovering hard and soft tissues which remain stable over time.

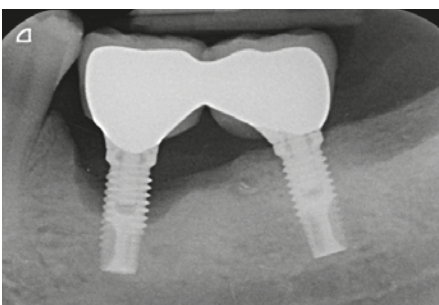
## Radiography Follow-up



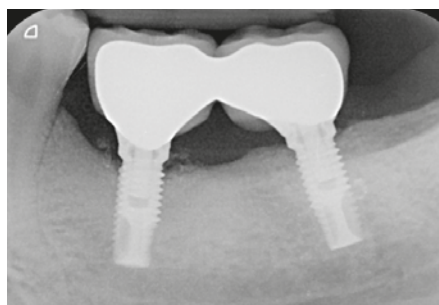
Initial situation



Follow-up after 1 year



Initial situation



Follow-up after 3 years

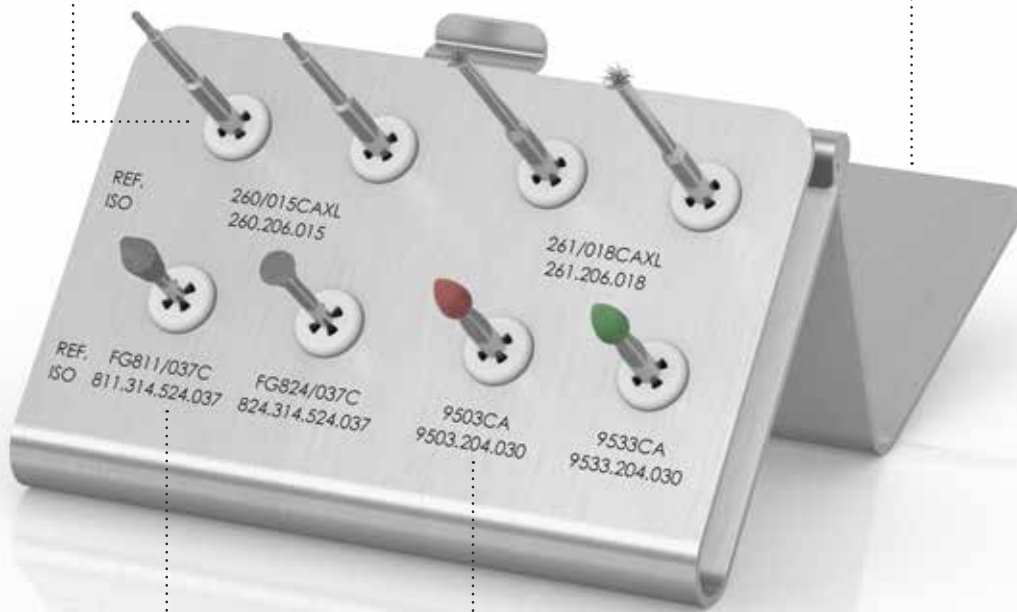
# PERI-SET

The crucial issue for the treatment of periimplantitis is the difficulty in completely removing pathogens and damaged tissues from the surface of the implant and, at the same time, restoring the macro and microgeometry of the surface making it suitable again for the hard and soft tissues. This kit has been developed in order that a decontamination protocol of the implant's surface microgeometry and modification of its macrogeometry can be reproduced by odontologists with a view to optimal healing of tissue.

PERI-SET contains 2 types of disposable brushes, one with a pointed tip and one with open bristles, for a thorough cleaning of the surface. In addition there is a diamond drill and disc used for implantoplasty, as well as two different coloured tapered rubber tips for completing the treatment. The instruments are contained in a practical instrument holder made of stainless steel which can be sterilized and is autoclavable; it also allows the instruments to be organized ergonomically.

The two disposable brushes with a pointed tip and two with open bristles included in the kit are not to be sterilized and reused but are to be replaced after every use.

When the cover is open, the base of the instrument holder is placed at an angle allowing better working ergonomics.



The morphology of the diamond instruments allows the implant surface to be abraded without needing to remove the prosthesis.

The tapered rubber tips can be distinguished thanks to the two different colours (red and green).



# Instrumentation

## Pointed brush 260/015CAXL



Brush with nickel-titanium bristles. It is used with a 300-600 rpm micromotor to carry out cleaning of the implant's surface, in particular the surface of the threads. It must be used with a horizontal movement along the pitch of the thread or with vertical movements in a coronapical and then apicocoronal direction. This brush is disposable.

## Brush with open bristles 261/018CAXL



Brush with open nickel-titanium bristles. It is used with a 300-600 rpm micromotor to carry out cleaning of the implant's surface, placing the brush's fibers perpendicularly to the surface. This brush is disposable.

## Diamond drill FG811/037C



The diamond head of this drill has a double cone shape. It is used with a red ring reducer handpiece or with a turbine to carry out the resection of the threads and the first step of smoothing the portions outside the bone levels, both horizontally and vertically. The pronounced angle of the head's surface enables work to be performed along the external profile of the implant, including situations in which it is not possible to remove, even temporarily, the prosthetic over-structure connected to the implant affected by periimplantitis.

## Diamond disc FG824/037C



This diamond instrument has a disc-shaped head. It is used with a red ring reducer handpiece or with a turbine to carry out the resection and the first step of smoothing the portions of the implant's surface and threads outside the horizontal and vertical bone levels. The disc's flat shape and small diameter enable work to be performed perpendicularly to the external profile of the fixture, including situations in which it is not possible to remove, even temporarily, the prosthetic over-structure connected to the implant.

## Red rubber polisher 9503CA









This instrument can be recognized by its red head. It is operated with a micromotor and must be used at approximately 1200 rpm to perform polishing of the portions of the implant's surface external to the horizontal and vertical bone levels.


## Green rubber polisher 9533CA



Similar to the red rubber polisher, but with a finer grain, this is operated with a micromotor at approximately 1200 rpm to carry out the final step in polishing the portions of the implant's surface outside the horizontal and vertical bone levels.

**Contents of PERI-SET kit**

description	code	quantity
Pointed nickel-titanium brush Attachment for right angle Disposable	<b>260/015CAXL</b> 	2
Brush with open nickel-titanium bristles Attachment for right angle Disposable	<b>261/018CAXL</b> 	2
Diamond drill with double cone Medium grain Attachment for turbine	<b>FG811/037C</b> 	1
Diamond disc Medium grain Attachment for turbine	<b>FG824/037C</b> 	1
Tapered rubber tip, red Attachment for right angle	<b>9503CA</b> 	1
Tapered rubber tip, green, fine grain Attachment for right angle	<b>9533CA</b> 	1

description	code
PERI-SET, Kit for surgical treatment of periimplantitis containing no. 8 instruments	<b>Z4600</b> 
Empty tray	<b>4600</b> 

# D.B.E. System

## Drill Bone Expander System by Dr. A. Grosso



### General features

- Non-traumatic progressive expansion technique.
- Less discomfort and pain than traditional surgical techniques.
- Controlled positioning of the cortical plate.
- Insertion of a wide variety of implants.
- Expanders can be interchanged quickly and easily.
- Excellent mechanical resistance of the instruments.
- Completely autoclavable tray for maximum hygiene.
- Can also be used in the flapless, post-extraction and mini maxillary sinus lift techniques.

Over the last few years, expansion techniques have gained popularity among dental implant specialists because they allow increasing the bone and placing the implant in the desired space with only one operation.

This is certainly the main advantage compared to other techniques for increasing bone volume which require more than one surgical procedure and involve greater patient discomfort.

On the other hand, classic crestal expansion techniques are associated with a rather long learning curve, and require the use of a surgical hammer which is not very pleasant for the patient.

The Drill Bone Expander System (D.B.E.) designed by dr. A. Grosso is a new conception in the preparation of the implant site, based on a system of non-traumatic double-threaded screws connected to a special grip.

This allows avoiding the use of standard surgical drills and expanding the bone in a controlled manner. With the screws inserted progressively, the long levering arm produced by the grip allows easily moving the bone wall during the screwing process. This in turn creates a wide implant site for inserting the implant into the desired position in a site with four walls.

The shape of the spires also allows the self-tapping points to penetrate into all situations of maxillary bone types 3 and 4, so as to create a site for positioning the implant without sculpting a flap, but using a simple circular scalpel.

The D.B.E. system can be easily used in flapless, post-extraction and mini maxillary sinus lift techniques, allowing a localized management of the floor thanks to the shape of its points.

### Surgical Kit

The surgical kit consists of a practical autoclavable box containing the five expanders in surgical steel and the special grip on which the tips are mounted by means of a connection hexagon. The insertion/removal of the expanders is quick and simple, and does not require the use of special additional instruments.

The table lists all the codes of the accessories included in the D.B.E. kit.











**Depth lines:**

The table below lists the diameters of the expanders at the apex and crown and in correspondence of the laser-etched depth lines:

**Diameter in correspondence of the laser markings [mm]**

device	apical	1 <sup>st</sup> line h 6.00 mm	2 <sup>nd</sup> line h 8.50 mm	3 <sup>th</sup> line h 11.50 mm	4 <sup>th</sup> line h 13.00 mm	crown h 14.50 mm
ESP-G-270	1.50	-	2.28	2.64	2.82	3.00
ESP-G-350	2.00	2.67	3.00	3.40	3.63	3.80
ESP-G-450	3.00	3.62	3.97	4.39	4.59	4.80
ESP-G-550	4.00	4.65	5.05	5.52	5.73	6.00
ESP-G-650	5.00	5.00	5.58	5.98	6.47	6.95

picture and code	description
 <b>ESP-G-KIT</b>	Surgical kit complete with expanders and handle
 <b>ESP-G-270</b>	Bone expander $\varnothing$ 2.70 mm
 <b>ESP-G-350</b>	Bone expander $\varnothing$ 3.50 mm
 <b>ESP-G-450</b>	Bone expander $\varnothing$ 4.50 mm
 <b>ESP-G-550</b>	Bone expander $\varnothing$ 5.50 mm
 <b>ESP-G-650</b>	Bone expander $\varnothing$ 6.50 mm
 <b>ESP-G-GRIP</b>	Handle for expanders
 <b>ESP-G-TRAY</b>	Autoclavable container for expanders

# M.I.S.E. Evo kit

## Minimally Invasive Sinus Elevation Non traumatic technique for sinus elevation with transcrestal approach

The aim of M.I.S.E. Technique is the non traumatic and gradual elevation of the sinus pavement up to a maximum of 5 mm with respect to the initial situation. Depth stops of different lengths (1 mm progression) and easy to be assembled, make the operation safe, easy and fast.

The M.I.S.E. EVO kit is complete with drills and bone filling carriers of 3 different diameters (3.0, 3.4 and 4 mm) then allows the insertion of any kind of implant with diameter 3.3 and 5 mm (Premium Straight).

- No need to open a lateral access.
- Lifting of cortical sinus pavement is made possible with gradual steps, 1 mm each.
- Reduced surgical time in comparison to traditional sinus elevation techniques.
- Recover of bone height up 5 to 10 mm.
- It can be used with any type of implants with a diameter in the range from 3 to 5 mm.
- Drills and bone filling carriers are provided with stops for maximum safety.
- The insertion and removal of the stops and carriers are simple, quick and safe.
- Highly mechanical resistant instruments.
- Tray in autoclavable Radel, to grant always the highest hygiene.
- Highly comfortable for the patient.
- High proven clinical success reported in the many international publications.





Picture 1. Breaking of sinus floor



Picture 2. Lifting of Schneider membrane by keeping its integrity



Picture 3. Insertion of bone filling floor



Picture 4. Implant insertion

**Clinical case:**

Courtesy of dr. Giorgio Carusi, Pistoia, Italy



Picture 1. Pre-operation X-ray: an initial crest height of 4 mm is noticed






















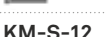
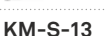
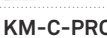


Picture 2. Insertion of a Premium implant 11.5 high in 1.5 area



Picture 3. X-ray check after 5 years. In the area where the sinus lift was carried out with M.I.S.E. EVO technique, an increase of bone density can be noticed

**Bibliography**

- Sisti A., Canullo L., Mottola M.P., Iannello G.; Biomed Tech (Berl). 2012 Jan 9;57(1):45-51; doi: 10.1515/bmt-2011-0038; PMID: 22718591; [PubMed - in process]
- Sisti A., Canullo L., Mottola M.P., Iannello G.; A case series on a crestal sinus elevation with rotary instruments, European Journal of Oral Implantology, Summer; 4(2), 2011; 145-152.
- Esposito M., Grusovin M.G., Coulthard P., Worthington H.V.; The efficacy of various bone augmentation procedures for dental implants: a Cochrane systematic review of randomized controlled clinical trials. Int J Oral Maxillofac Implants. 2006 Sep-Oct; 21(5):696-710.
- Carusi G.; The Minimal Invasive Sinus Elevation Technique. Scientific Poster, 15° European Association for Osseointegration, 5-7 Oct 2006; Scientific Poster, 12° International FRIADENT Symposium, 24-25 March 2006.
- Kitamura A.; Drill device for sinus lift. Implant Dent 2005 Dec;14(4):340-1.
- Cosci F., Luccioli M.; A new sinus lift technique in conjunction with placement of 265 implants: a 6-year retrospective study. Implant Dent. 2000;9(4):363-8.
- Bernardello F., Righi D., Cosci F., Bozzoli P., Carlo M.S., Spinato S.; Crestal sinus lift with sequential drills and simultaneous implant placement in sites with <5 mm of native bone: a multicenter retrospective study. Implant Dent. 2011 Dec;20(6):439-44.
- Tilotta F., Lazaroo B., Gaudy J.F.; Gradual and safe technique for sinus floor elevation using trephines and osteotomes with stops: a cadaveric anatomic study. Oral Surg Oral Med Oral Pathol Oral Endod 2008; 106:210-216.

code	description
<b>ZMISE-INT</b> 	Kit M.I.S.E. EVO (Minimally Invasive Sinus Elevation), complete with all instruments
<b>MISE-TRAY-INT</b> 	Tray for Kit M.I.S.E. EVO, empty (tray only)
<b>KM-F-200</b> 	Initial drill, $\varnothing$ 2.00 mm
<b>KM-F-250</b> 	Intermediate drill, $\varnothing$ 2.50 mm
<b>KM-F-B300</b> 	Break up drill, $\varnothing$ 3.00 mm
<b>KM-F-C300</b> 	Chamfered drill, $\varnothing$ 3.00 mm
<b>KM-F-R300</b> 	Rounded drill, $\varnothing$ 3.00 mm
<b>KM-F-R340</b> 	Rounded drill, $\varnothing$ 3.40 mm
<b>KM-F-R400</b> 	Rounded drill, $\varnothing$ 4.00 mm
<b>KM-S-01</b> 	Stop for both drills and bone filling carriers, L. 1.00 mm
<b>KM-S-02</b> 	Stop for both drills and bone filling carriers, L. 2.00 mm
<b>KM-S-03</b> 	Stop for both drills and bone filling carriers, L. 3.00 mm
<b>KM-S-04</b> 	Stop for both drills and bone filling carriers, L. 4.00 mm
<b>KM-S-05</b> 	Stop for both drills and bone filling carriers, L. 5.00 mm
<b>KM-S-06</b> 	Stop for both drills and bone filling carriers, L. 6.00 mm
<b>KM-S-07</b> 	Stop for both drills and bone filling carriers, L. 7.00 mm
<b>KM-S-08</b> 	Stop for both drills and bone filling carriers, L. 8.00 mm
<b>KM-S-09</b> 	Stop for both drills and bone filling carriers, L. 9.00 mm
<b>KM-S-10</b> 	Stop for both drills and bone filling carriers, L. 10.00 mm
<b>KM-S-11</b> 	Stop for both drills and bone filling carriers, L. 11.00 mm
<b>KM-S-12</b> 	Stop for both drills and bone filling carriers, L. 12.00 mm
<b>KM-S-13</b> 	Stop for both drills and bone filling carriers, L. 13.00 mm
<b>KM-C-PROF-300</b> 	Double function instrument, on one end depth gauge, on the other end bone filling carrier $\varnothing$ 3.00 mm
<b>KM-C-340-400</b> 	Double size bone filling carrier, on one end $\varnothing$ 3.40 mm, on the other end $\varnothing$ 4.00 mm

# Impla 6000

## Brushless implant motor



IMPLA 6000 is a brushless implant motor: compact, reliable and simple to use. It ensures the best results during each stage of the implant surgical treatment. It's a versatile motor, equipped with software for endodontics as well.

### General features

- Brushless autoclavable motor 40.000 RPM.
- Maximum torque, 60 Ncm.
- Although it fits well with all ISO standard connection handpieces , it has been set for optimum performance with the Sirona 20: 1 contrangle handpiece.
- It has 5 preset programs (speed, torque, pump on/off and flow rate, direction), customized on Sweden & Martina implants, for all implant surgical treatment stages.
- Easy-to-use interface that is adjustable during all procedures, the preset programs parameters can be easily re-set and memorized according to operator's needs.
- The silicone tubing set supplied with the motor is autoclavable.
- Integrated and easy-load irrigation pump.
- Multi-function foot control allows for easily selecting the desired program, as well as controlling speed, direction, torque and turn the pump on/off.
- Dual-function motor: by connecting a 6:1 contrangle and simply pressing a button, the correct ratio can be easily set. This switches from the implant surgical procedure to the endodontics function. This function has 5 preset programs customized for root canal "simultaneous technique" preparation made by Mtwo files.
- Auto-Stop Torque function available on Implant mode and Auto-Stop-Reverse Torque function available on Endo mode.
- Modern design and easy-to-clean surfaces.



**Advantages**

- Quiet, brushless motor with minimal vibration.
- Easy and intuitive program setup.
- Maximum freedom of action with the multifunction pedal.
- Increased functionality by autoclavable tubing.
- Very versatile thanks to preset programs for implantology and endodontics.
- Extremely easy-to-use.

**Standard configuration**

Control console, autoclavable brushless micromotor, autoclavable motor holder with attaching bracket, multi-function foot control, autoclavable irrigation tubing set, irrigation bag hanger rod, power cord.

technical features	
console size	8.6" W x 9.2" L x 4.8" H
console weight	1.8 Kg
rotational speed	1,000-40,000 rpm / minute
max torque	60 Ncm
flow irrigation pump	maximum 140 ml / min
sterilization	motor and accessories: 132°C (270°F)

# W&H Contra-angle, WS-75

**Contra-angle for surgical micromotor with push button**

- Connection ISO 3964 (DIN 13.940).
- Ration 20:1, easy to be disassembled, locking hexagonal system, for RA shank drills (diameter 2.35 mm).
- Shank hardness >50 HRC, >520HV, internal cooling system Kirschner/Meyer
- Max speed 50.000 min.
- The spray clip is movable, then can be also moved to the left side.



code	description
IMPLA-6000	Implant dental system complete with accessories
AE-23	Autoclavable tubing set for IMPLA-6000
IMPLA-6000-DEF	Disposable tubing for IMPLA-6000, 1 pce
WS-75	Contra-angle for surgical micromotor, with push button

# Ozone DTA

## Ozone generator

Well known for its antimicrobial and disinfectant properties, ozone has recently been used in interesting ways in the medical and dentistry field.

It rapidly performs its antimicrobial action, thus avoiding the development of the inflammatory process and therefore facilitating healing at the cellular level.

### General characteristics

- Ozone DTA eliminates bacteria from the treated site in a few seconds without any discomfort or pain for the patient;
- it facilitates extremely fast postoperative healing of the wound and edema reduction.
- Ozone DTA is a device which has been specially designed for ozone therapy in the medical field in limited areas of application; ozone concentration and dispensing times have been preset so that medical treatment may be effective and completely safe for patients.
- It is user-friendly, safe, fast and supplied with a series of probes of various shapes suitable for all applications in the field of dentistry.



### Application fields

- Disinfection of periodontal pockets;
- disinfection of the cavities;
- disinfection of the root canals;
- preoperative and postoperative oral disinfection;
- maintenance treatment following extraction;
- postoperative treatment of the inflammation and disinfection of wounds;
- postoperative treatment of edema;
- treatment of oral aphthae, herpes sores and oral candidiasis.

### Standard Configuration

Control unit, handpiece, safety lever, power adaptor, pedal, 5 probes set in autoclavable tray, instructions of use.

### Optional accessories

**Air Container:** is capable of storing 3cc of ozone (or 3 ml) inside it; this quantity is produced by the handpiece. Ozone can then be easily extracted using a syringe and injected where necessary.



Probe no. 1



Probe no. 2



Probe no. 3



Probe no. 4



Probe no. 5



\* The syringes and the ULTRADENT tips are not supplied by Sweden & Martina but are readily available at the main dental material stores.

### Patient with aggressive periodontitis, oedema and abundant plaque and tartar on all surfaces of the teeth

Courtesy of dr. Annamaria Genovesi, Istituto Stomatologico Tirreno, Lido di Camaiore (LU), Italy



Application of ozone before treatment



2 days after ozone application



After full mouth treatment, next ozone application



3 days after treatment

The patient has not used antibacterial substances during any of the steps.

### Patient with plaque and important tissue edema

Courtesy of dr. Annamaria Genovesi, Istituto Stomatologico Tirreno, Lido di Camaiore (LU), Italy



Ozone application after oral hygiene session



4 days after the treatment



code	description
<b>OZONEDTA</b>	Complete ozone generator with 5 probes set
<b>OZONE203010</b>	Probe no. 1, 10° angle for gingivitis treatment, 1 pc
<b>OZONE203011</b>	Probe no. 2, 50° angle for gingivitis treatment, 1 pc
<b>OZONE203012</b>	Probe no. 3, flat for the mucous treatment, 1 pc
<b>OZONE203013</b>	Probe no. 4, conical for alveolar post-extraction treatment, 1 pc
<b>OZONE203014</b>	Probe no. 5, for root canals treatment, 1 pc
<b>OZONE-H201038</b>	Autoclavable tray for probes

# Preparation Drills

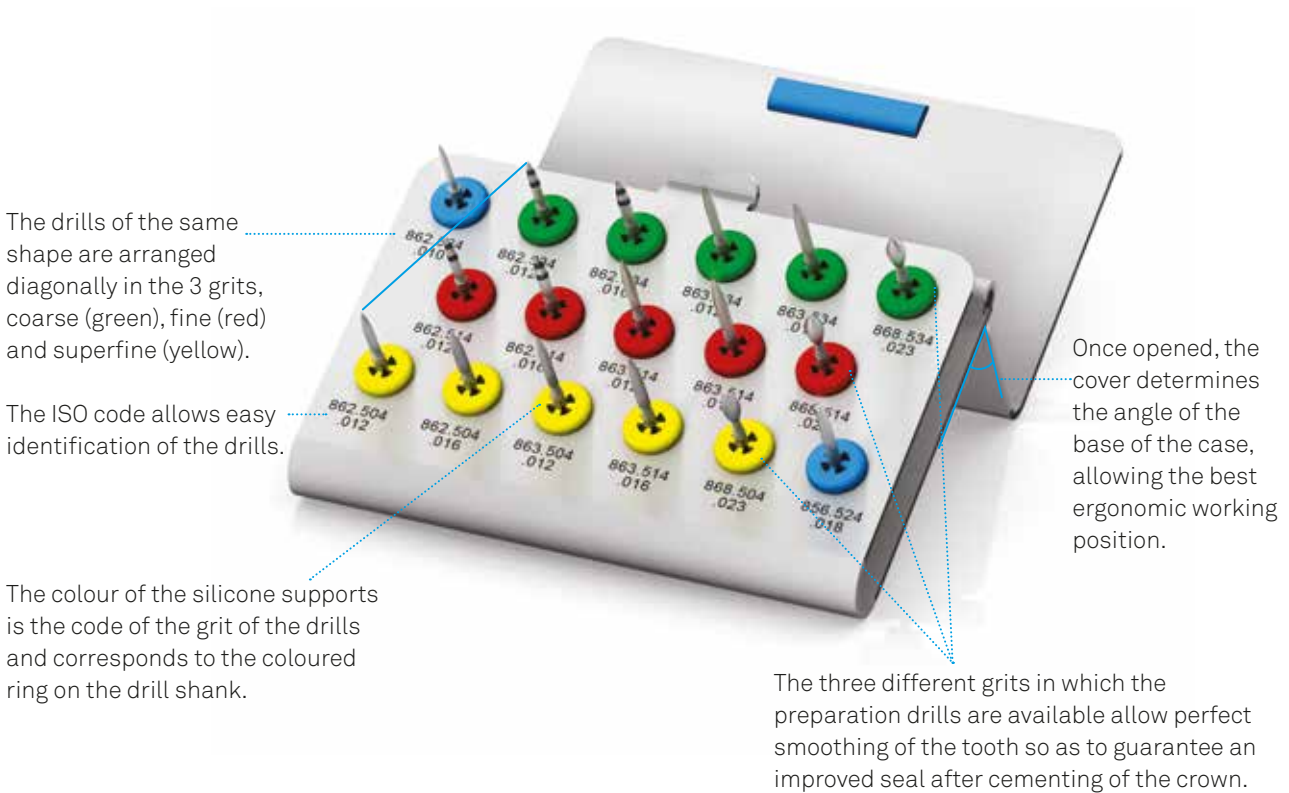
The vertical preparation of the tooth to allow soft tissues to adapt to the desired prosthetic contours.

The technique, supported by long clinical experience, has demonstrated medium- and long-term stability of the tissues.

This selection of diamond drills allows the performance of all the clinical steps for the preparation of teeth, from mesiodistal separation of adjacent teeth to preparation of all profiles.

The assortment includes 17 diamond drills with different shapes and grits, the morphology of which allows them to work without making grooves indentations or unevennesses that would prevent the correct and natural adaptation of the mucosa. The different grits allow gradual polishing of the tooth so as to obtain an optimum surface finish.


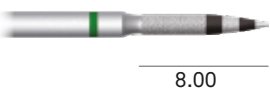
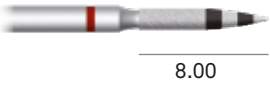


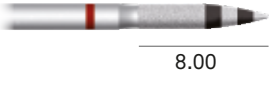


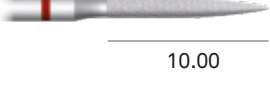
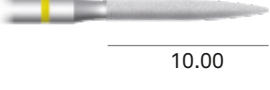
Together with the assortment of drills a practical stainless steel holder is supplied, which is sterilisable and autoclavable and allows the instruments to be ergonomically organised.



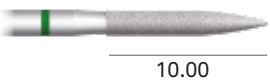
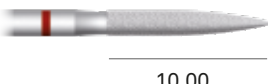
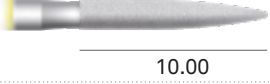




## Key to the diamond grit

ring colour	silicone support colour	type	grit in $\mu$
green ●	green ●	coarse	125
-	blue ●	medium	105
red ●	red ●	fine	40
yellow ●	yellow ●	superfine	20

Assortment of drills


	code	description	ISO code	∅ ISO	grit	ring colour code
	<b>FG862/010C</b>	Flame drill	862.524.010	010	medium	no ring
	<b>FG862G/012C</b>	Flame drill	862.534.012	012	coarse	green ●
	<b>FG862M/012C</b>	Flame drill	862.514.012	012	fine	red ●
	<b>FG862FC/012C</b>	Flame drill	862.504.012	012	superfine	yellow ●
	<b>FG862G/016C</b>	Flame drill	862.534.016	016	coarse	green ●
	<b>FG862M/016C</b>	Flame drill	862.514.016	016	fine	red ●
	<b>FG862FC/016C</b>	Flame drill	862.504.016	016	superfine	yellow ●
	<b>FG863G/012C</b>	Flame drill	863.534.012	012	coarse	green ●
	<b>FG863M/012C</b>	Flame drill	863.514.012	012	fine	red ●
	<b>FG863FC/012C</b>	Flame drill	863.504.012	012	superfine	yellow ●


PREPARATION DRILLS

	code	description	ISO code	∅ ISO	grit	ring colour code
	<b>FG863G/016C</b>	Flame drill	863.534.016	016	coarse	green ●
	<b>FG863M/016C</b>	Flame drill	863.514.016	016	fine	red ●
	<b>FG863FC/016C</b>	Flame drill	863.504.016	016	superfine	yellow ●
	<b>FG868M/023C</b>	Football drill	868.534.023	023	coarse	green ●
	<b>FG868G/023C</b>	Football drill	868.514.023	023	fine	red ●
	<b>FG868FC/023C</b>	Football drill	868.504.023	023	superfine	yellow ●
	<b>FG856/018C</b>	Tapered drill	856.524.018	018	medium	no ring

All the drills are available individually in minimum quantity of 3 pieces each.

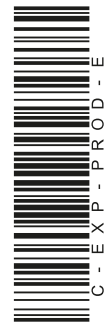


	code	description
	<b>4999</b>	Stainless steel drill holder

	code	description
	<b>529D</b>	Stone for cleaning diamond drills

Code **Z4999** refers to complete assortment of one drill of each type and the stainless steel drill holder.  
 To improve lifetime of the drills it is recommended to make periodic use of the stone 529D, which must be ordered separately.  
 The height of the working part is expressed in millimetres.





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- OZONE DTA which is a medical device manufactured by APOZA Enterprise Co. Ltd.

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