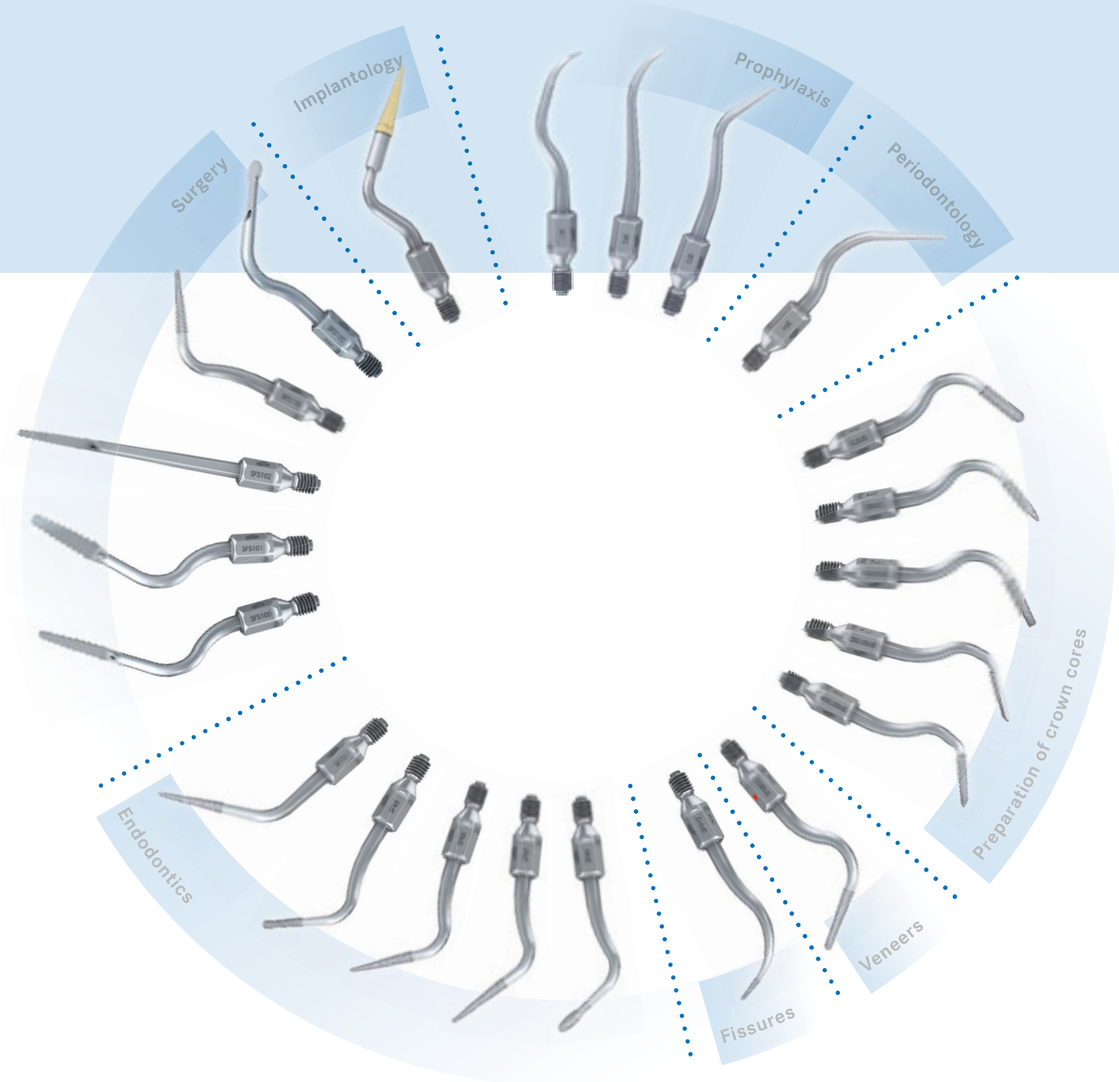
SonicLine

Sonic tips for a vast range of applications

KOMET SonicLine

Sonic tips of outstanding quality



As the leading manufacturer of rotary dental instruments worldwide, we can offer you a great variety of products. We hereby proudly present our SonicLine, the extensive line of sonic tips made by Komet. Our constantly growing range of high-quality sonic tips includes tips for prophylaxis, periodontology, preparation of crown cores, surgery and implantology. This brochure contains detailed information on the scope of applications.

Made in Germany, the SonicLine comprises a comprehensive range of high-quality sonic tips that cover a multitude of indications.

Thanks to their clear labelling, the sonic tips are easy to handle. The order number is laser etched onto the sonic tips. Tips coated with fine grain are provided with a red dot for identification. The sonic tips can be reprocessed in a Miele washer/disinfector by means of a rinse adapter which is part of a validated procedure. Instructions on the reprocessing of sonic tips can be ordered from the manufacturer.

We intend to further extend our SonicLine, which is why it seemed logical to include a sonic hand piece to our existing range which is suitable for any type of sonic tip – the air scaler SF1LM. Driven by air, this scaler is distinguished by its amazing versatility and impressive performance. For further information on the SF1LM, please turn to page 15 of this brochure.

Manufacturer's Information
Sonic tips

Manufacturer's Information
on the reprocessing of sonic tips
(405179V0)

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As at September, 2010

Scaler | SF1-3

Prophylaxis

Advantages:

- Mechanical work is much less tiring than work with manual instruments
- The elliptical movements in all directions performed by the sonic hand piece make circular work as easy as child's play

Indication:

These sonic tips are used as part of a prophylactic treatment. They are suitable for supra and subgingival removal of tartar

Recommendations for use in the Komet SF1LM

- Start up sonic tip prior to application to the tooth, providing plenty of spray cooling.
- Power setting ❶ : gentle treatments
- Power setting ❷ : standard treatments
- Power setting ❸ : only for a short period of time

SF1.000.

SF2.000.

SF3.000.

Tip:
For cleaning implant necks, we recommend our sonic tip SF8167 (see page 14)

Tip:
For subsequent polishing, we recommend our comprehensive prophylaxis range

Paro | SF4

Periodontal treatments

Advantages:

- The minimally invasive function of the sonic tips allows gentle work, protecting the adjacent collagenous soft tissue and the root surface
- Improved bacterial management

Indication:

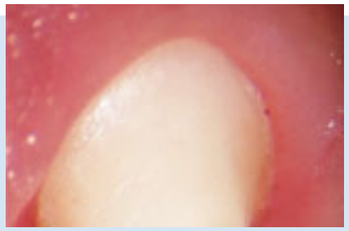
Removal of soft plaque from deep periodontal pockets
(up to a depth of 9 mm)

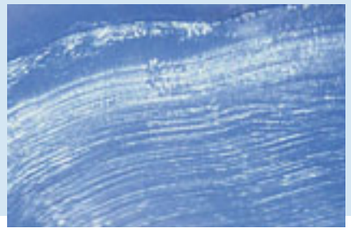
Recommendations for use in the Komet SF1LM

- Start up sonic tip prior to application to the tooth, providing plenty of spray cooling.
- Power setting ❶ : gentle treatments
- Power setting ❷ : standard treatments
- Power setting ❸ : only for a short period of time

SF4.000.

Tip:
We recommend checking the degree of wear of the tips on a regular basis, with the help of the control card (405207V0).





Preparation of crown cores

According to Dr. Domenico Massironi, the “best synergy effects are created by a combination of rotary instruments and sonic instruments”. We have implemented Dr. Massironi’s concept by developing special sonic tips for the preparation of crown cores.

In close cooperation with Prof. Günay of the Medical University of Hanover, we developed special tips with working parts that are bisected lengthwise for both mesial and distal use. These tips ideally complement the kit 4384A.

SF979.000.014

● **SF8979**.000.014

SF8878KD.000.018
distal

SF979.000.016

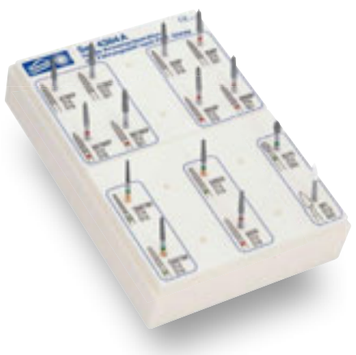
● **SF8979**.000.016

SF8878KM.000.018
mesial

SF862.000.014

SF847KR.000.016

Scientific advice:
Dr. Domenico Massironi, Milan/Italy
Prof. Günay, Medical University of Hanover/Germany



Kit 4384A
for crown core preparation with instruments with guide pin, developed by Prof. Günay

Advantages:

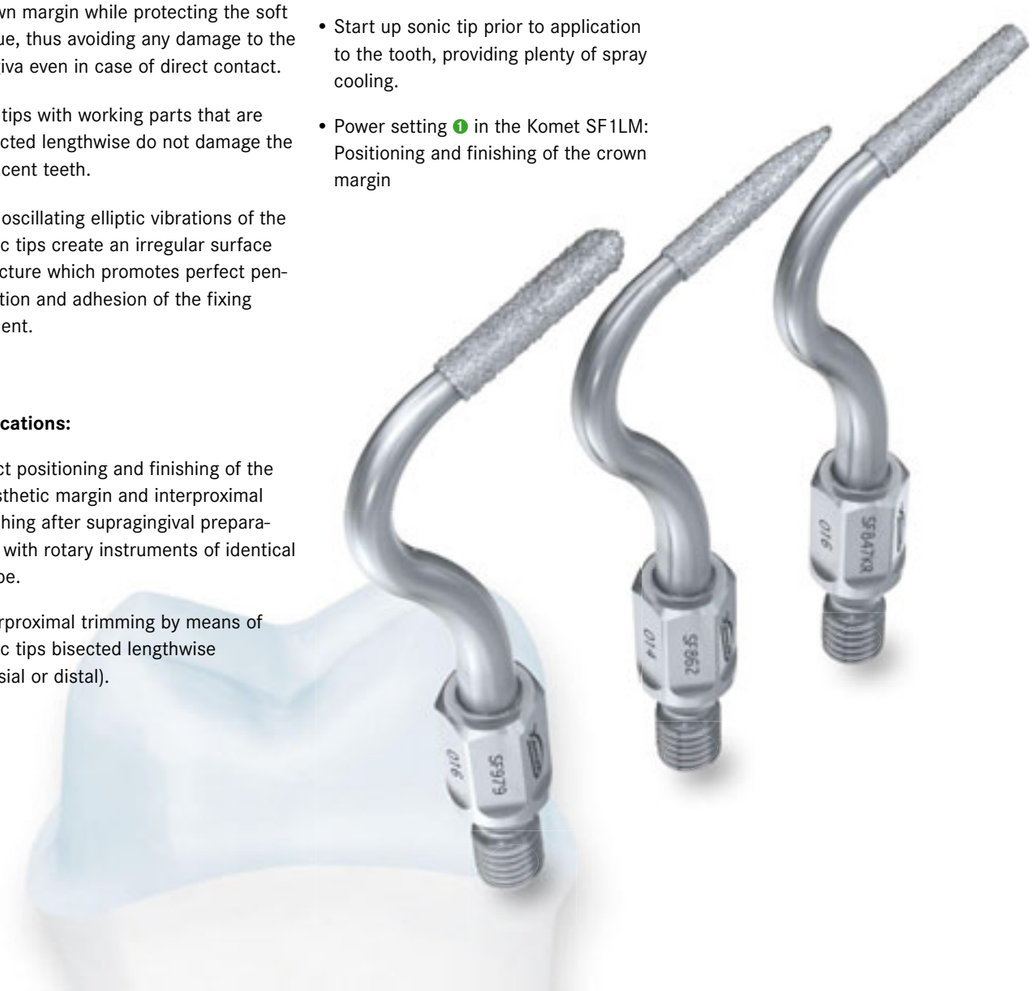
- The oscillating function of these sonic tips allows gentle positioning of the crown margin while protecting the soft tissue, thus avoiding any damage to the gingiva even in case of direct contact.
- The tips with working parts that are bisected lengthwise do not damage the adjacent teeth.
- The oscillating elliptic vibrations of the sonic tips create an irregular surface structure which promotes perfect penetration and adhesion of the fixing cement.

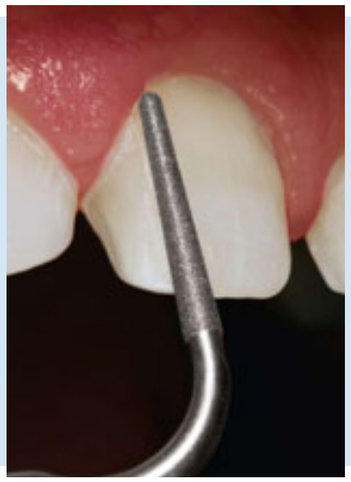
Indications:

- Exact positioning and finishing of the prosthetic margin and interproximal finishing after supragingival preparation with rotary instruments of identical shape.
- Interproximal trimming by means of sonic tips bisected lengthwise (mesial or distal).

Recommendations for use:

- First prepare tooth with rotary instruments of congruent shape.
- Start up sonic tip prior to application to the tooth, providing plenty of spray cooling.
- Power setting ❶ in the Komet SF1LM: Positioning and finishing of the crown margin





SF8850

Veneers

Sonic tips for veneers, developed by Dr. Schwenk and Dr. Striegel, Nuremberg

Advantage:

The combination of fine grit and a low oscillation amplitude results in the creation of a very fine surface, which is an indispensible precondition for a tight prosthetic margin.

Indication:

Finishing after preparation of the veneers with rotary instruments of identical shape.

Scientific advice:
Dr. Thomas Schwenk
Dr. Marcus Striegel

Recommendations for use:

- First prepare the veneers with rotary instruments the usual way.
- Shaping with the instrument 6850.314.016

6850.314.016

- Finishing with the instrument 8850.314.016

8850.314.016

- Fine trimming, especially of the edges, with the fine grain sonic tip SF8850

SF8850.000.016

- Start up sonic tip prior to application to the tooth, providing plenty of spray cooling.
- Power setting ❶ in the Komet SF1LM: Fine trimming of surfaces

SF849

Sonic tips for opening fissures

Advantage:

The relatively low oscillation amplitude and the small diameter of the instrument allow minimally invasive work.

Indications:

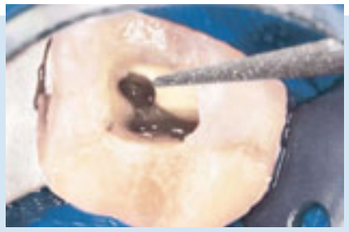
Minimally invasive opening of fissures, for example:

- Detection of hidden caries
- Removal of fissure caries
- Preparation for fissure sealing

SF849.000.009

Recommendations for use in the SF1LM:

- Start up sonic tip prior to application to the tooth, providing plenty of spray cooling
- Power setting ❶
  Gentle opening of fissures



SF66–70

Endodontics

Advantages:

- Quick preparation and removal of old root fillings
- Easier retrieval of root canals
- Enlargement of obliterated canals
- Preparation of straight canal access cavities without weakening the crown
- Useful for removing hard root fillings, cements or posts
- Controlled, gentle preparation without steps and protruding material
- Excellent vision

SF66.000.
Large bud

SF69.000.
Small bud

SF67.000.
Tapered 125°

SF68.000.
Tapered 112°

SF70.000.
Tapered 117°

Indications:

Orthograde preparation of the pulp chamber and preparation of the cervical third of the root canal as part of an endodontic treatment.

- SF66: Initial preparation of the access cavity, removal of protruding material
- SF69: Finishing of the access cavity and minimal freshening of the dentin layer, removal of residues of root canal fillings
- SF67: Retrieval of fine and calcified canals, opening of the upper canal portions during revision, during preparations instead of Gates-Glidden burs
- SF68: Alternative to the SF67 with a more pronounced angle
- SF70: Enlargement of long and wide canals, unblocking of fractured instruments, removal of root fillings made of gutta-percha and soft cements

Recommendations for use:

- First prepare tooth with rotary instruments the usual way
- Start up sonic tip prior to application to the tooth, providing plenty of spray cooling
- Power setting ❶ in the Komet SF1LM: Finishing of surfaces and fine trimming
- Power setting ❷ in the Komet SF1LM: Removal of large amounts of substance

SFS 100 -102

Sonosurgery* sonic tips

For oral surgery
developed by Dr. Ivo Agabiti

Advantages:

- Very fine incisions
- Gentle on soft tissue
- Easy handling
- Excellent vision
- Optimum control during operations

SFS100
sagittal

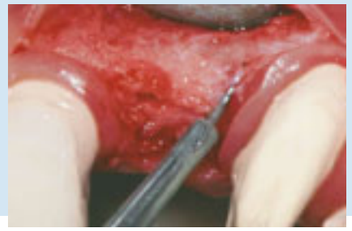
SFS101
axial

SFS102
straight

Scientific advice:
Dr. Ivo Agabiti, Pesaro/Italy

Sonosurgery*
developed by Dr. Ivo Agabiti

Note:
Cutting width 0.25 mm
Cutting depth 10.70 mm



Indications:

Conservative work on bones as part of surgical and implantological interventions

- Bone cuts
- Splitting of the alveolar crest
- Detaching a tooth from its alveolar compartment and extraction

Recommendations for use in the SF1LM:

- Power setting ❶: gentle
- Power setting ❷: standard
- External supply of a sterile cooling agent by means of the cooling adapter SF1979 (the water supply of the dental power unit must be turned off)

4567
Sonosurgery kit
Can be sterilised at up to 135°C

SFS110

Work on bones

Recommendations for use in the Komet SF1LM:

- Power setting ❶: gentle
- Power setting ❷: standard
- External supply of a sterile cooling agent by means of the cooling adapter SF1979 (the water supply of the dental power unit must be turned off)

SFS110
Diamond coated, tapered
∅ 1.5 mm, L = 10 mm

Tip:
Recommended brochures:

Angle modulation system
405071V0

Surgery
403665V1

SFS120

Surgical crown extension

Sonic tips for surgical crown extension, developed by Dr. Schwenk and Dr. Striegel, Nuremberg

SFS120.000.020

SFS120.000.030

Scientific advice:
Dr. Thomas Schwenk
Dr. Marcus Striegel

Advantages:

- Surgical crown extension without the creation of a flap
- Reconstitution of the biological width without need for periodontal surgery
- Thanks to their flattened shape with diamond coated outer edges, these tips are ideally suited for effective reduction of the bone
- Excellent healing of the wound, almost trauma-free treatment
- Minimally invasive technique

Indications:

Minimally invasive surgical crown extension without creation of a flap, achieved by gently swivelling the sonic tip in mesial and distal direction in order to reconstitute the biological width in the following cases:

- Asymmetrical dental arcade
- Gummy smile
- Violation of the biological width

Recommendations for use in the Komet SF1LM:

- Power setting ❶: gentle
- Power setting ❷: standard

SF8167/8

Implant tip made by KaVo for cleaning implants

Indications:

- Polymer pins for non-abrasive subgingival removal of concretions and other deposits from smooth implant necks without damaging the smooth implant surfaces
- No abrasion and therefore no roughening of the smooth surface of the implant neck
- Safe and easy to use
- Ideally complements a qualified prophylaxis concept
- Disposable, therefore no risk of transmission of diseases

Recommendations for use:

- These tips can be used in the Komet sonic hand piece SF1LM and in the SONICflex® hand piece made by KaVo (series 2000 or 2003).
- Power setting ❶: gentle
  > More comfortable for very sensitive patients, reduced substance removal
- Power setting ❷: standard
  > Basic setting, great performance, effective substance removal

Available in the following kits:

SF8167 Starter kit
10 polymer pins, 1 holder

SF8168 Refill kit
30 polymer pins

KaVo. Dental Excellence.

SONICflex® is a registered trademark of the co. KaVo Dental GmbH, Biberach.

SF1LM

Sonic hand piece made by KOMET

The air driven sonic hand piece (air scaler) SF1LM is extremely effective, yet very gentle. It is distinguished by its elliptic movements of 360°. What's more, the SF1LM has the following advantages:

- Fits all MULTIflex® connections*
- Optimum view of the operative site thanks to two focused light beams
- Infinitely variable (3 settings)
  Power setting ❶ = gentle
  Power setting ❷ = standard
  Power setting ❸ = short-term use only**
- Safety lock at setting 2
- Oscillating frequency of 6 kHz
- Integrated cooling spray
- 2 years' manufacturer warranty

Indikation/Indication	Leistungsstufe/Power Level SF1LM		
	1	2	3
Prophylaxe/Prophylaxis	❶	❷	❸
Paro/Perio	❶	❷	❸
Kronenpräp./Crown Prep	❶	●	●
Veneertechnik/Veneer Technique	❶	●	●
Fissurenbearbeitung/Seal	❶	❷	❸
Endo	❶	❷	●
Chirurgie/Surgery	❶	❷	●
Implant	❶	❷	●

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● erlaubt/permitted
● nur kurzfristig erlaubt/permitted for a short time only
● nicht erlaubt/not permitted

Test card for prophylaxis and periodontal tips, with a useful overview of the power settings on the reverse: 405207V0

* Multiflex® is a registered trademark of the co. KaVo Dental, Biberach

** This level is not authorised for all sonic tips. For further information, please refer to the instructions for use of the tips

Important notes:

Apart from the Komet hand piece SF1LM, Komet sonic tips* can also be used

- in the scalers made by co. W&H (i.e. Series Synea® ZA-55/L/LM/M (the construction of the ZA-55LM is identical to that of the SF1LM) or Alegra® ST ZE-55RM/BC)
- in the SONICflex® hand piece made by the co. KaVo (Series 2000 or series 2003)
- in the SIROAIR L provided by co. Sirona

Apply low contact pressure only; excessive contact pressure reduces the vibration of the sonic tip and consequently its effectiveness.

* In case of surgical indications, make sure to check which sonic hand pieces are authorised for surgical use. The sonic hand piece SF1LM provided by Komet and the SONICflex® hand piece (series 2000 or 2003) made by KaVo are suitable for this purpose.

Zubehör

SF1980
Tip changer

Kit 4602
Cooling adapter SF1979 for external supply of a sterile cooling agent with mounting wrench 566

SF1978
Rinse adaptor for sonic tips

(To be reprocessed in Miele washers/disinfectors)

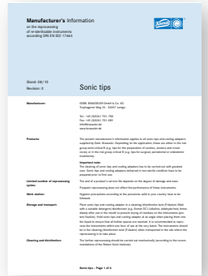
SF1977
Rinse adapter for the cooling adapter SF1979

(To be reprocessed in Miele washers/disinfectors)

Tip:
We recommend the following brochures:

Angle Modulation System
405071V0

Surgery
403665V1



Manufacturer's information
on the reprocessing of sonic tips 405179V0

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