

leading regeneration

Geistlich



Smart partners for your regenerative treatments

Oral surgery instruments by
META Technologies S.r.l.



SAFE- SCRAPER TWIST

The gold standard
in intraoral bone
harvesting

SAFESCRAPER TWIST
provides a quick and
accurate method to obtain
ideal autologous cortical
bone for grafts in any type
of dental defects.

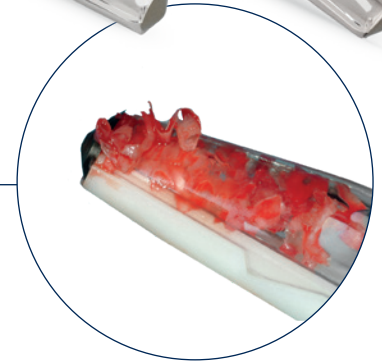
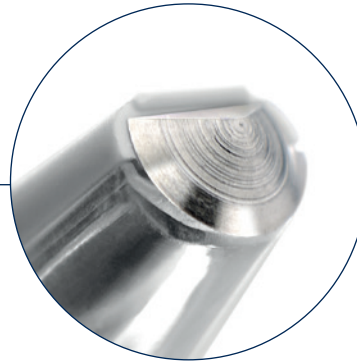


Maximum cutting efficiency

The exclusive cutting performance of the semicircular blade allows cortical shavings to be collected, while preserving high cell vitality, which is essential for graft integration.

SAFESCRAPER
TWIST straight

SAFESCRAPER
TWIST curve



**Quick,
safe, and
effective**



The bone collected is already combined with blood and ready to be positioned in the defect, or it can be temporarily maintained in aseptic conditions in the transparent chamber during the procedure.

Ready to use

Disposable, individually packaged, 3 years of sterility

Minimally invasive

Manual harvesting is non-traumatic and well tolerated by patient

Useful

Harvesting from any intraoral site including close to defect

Versatile

Ideal for both extensive and minor procedures

High cell vitality

Living and well-preserved bone cells: particularly osteocytes, but also osteoblasts, osteoclasts, and osteoprogenitor cells¹

Ideal morphology

Elongated and convoluted shaving of a mean length of 1.3 mm and thickness between 150 and 250 μ m

Ref.-Nr.	Product	Description
Ref. 3987	SAFESCRAPER TWIST curve	3 disposable units, chamber capacity: 2.5 cc
Ref. 3598	SAFESCRAPER TWIST straight	3 disposable units, chamber capacity: 3 cc

MICROSS

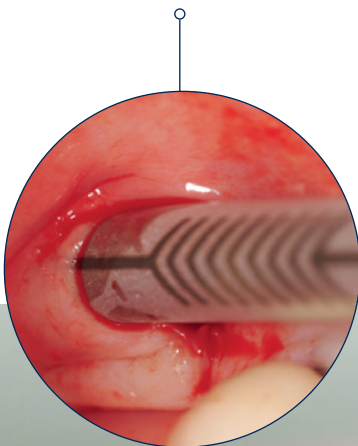
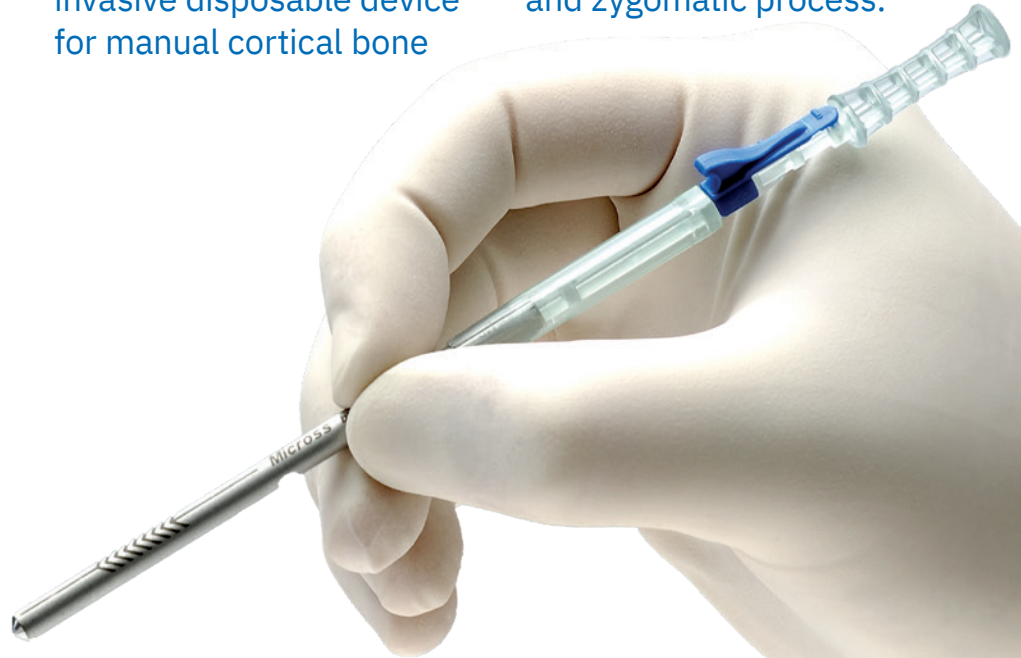
Making bone harvesting a handy procedure

MICROSS is a minimally invasive disposable device for manual cortical bone

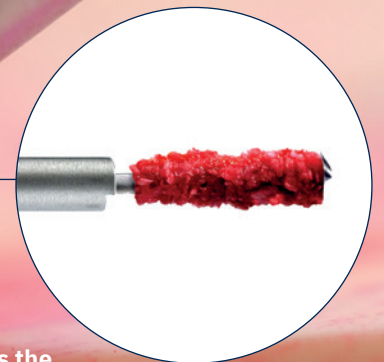
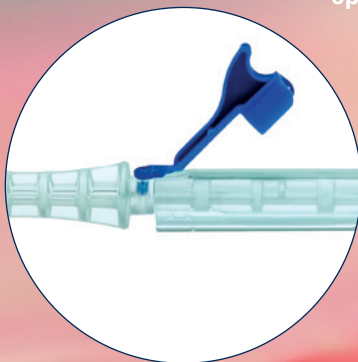
harvesting. With its special shape and just 5 mm in diameter, it can even be inserted into tissue tunnels in the intraoral area e.g., external oblique line, cortical palatine, and zygomatic process.

Tunnel harvesting technique

MICROSS is a bone harvesting device specifically studied for tunnel surgical techniques that minimize post-operation discomfort.



Unlock to open chamber



The exclusive microblade facilitates excellent cutting performance making the collection of autologous bone shavings easy – even in narrow and hard to reach areas.

Coagulated blood gives the collected tissue excellent biological plasticity. The curly morphology has a volumizing effect and therefore reduces the quantity needed to fill the defect and minimizes invasiveness.

Ref.-Nr.	Product	Description
Ref. 4049	MICROSS	1 disposable unit, chamber capacity: 0.25 cc

METAPIN

Titanium membrane tacks

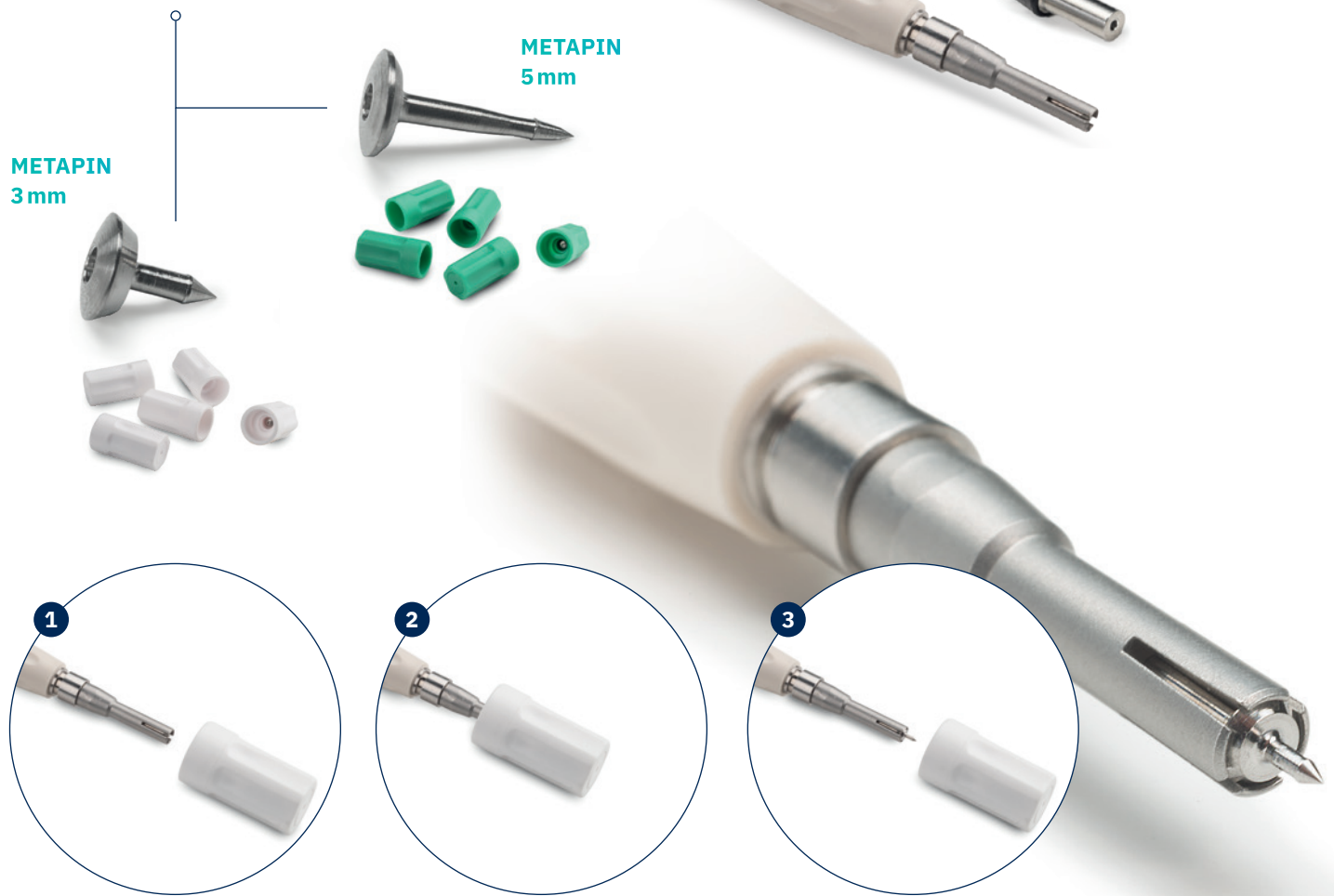
METAPIN specifically recommended for the placement of both resorbable and non-resorbable membranes even in jaw areas with higher bone density.

Protective cap

- > Must be removed before pin pickup
- > If required, use it to dab on head of positioned tack for complete stabilization

METAPIN 3 mm – 5 mm

- > Specially strong to pierce bone
- > High biocompatibility
- > Sterile and ready to use, single packaged



Ref.-Nr.	Product	Description
Ref. 4710	METAPIN HOLDER	1 pc, non-sterile, autoclavable
Ref. 4720	METAPIN 3 mm	3 pcs, single packaged, sterile
Ref. 5030	METAPIN 5 mm	3 pcs, single packaged, sterile

SAFE- SCRAPER TWIST CURVE VOLUMIZER

Extra volume version

Same performance
while collecting
larger bone volume

- > Developed from the longstanding experience of the **SAFESCRAPER** family
- > Enables rapid and accurate collection of autologous cortical bone

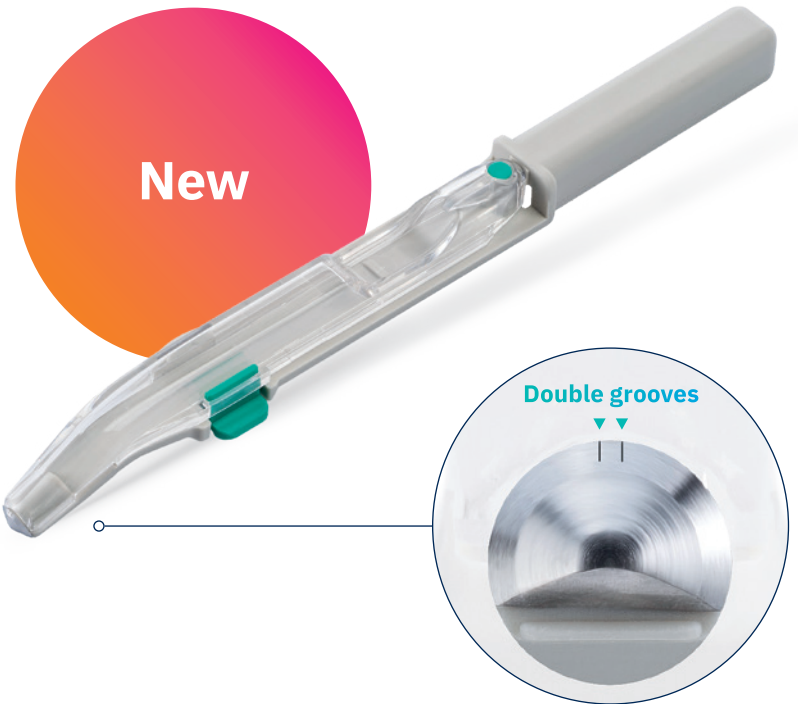
Autologous bone is a precious asset in alveolar ridge augmentation. Collecting enough can be a challenge, especially for large augmentation procedures. Sometimes, even resorting to extraoral surgery sites is necessary, which can cause additional discomfort for the patient.

Redesigned blade

- > Double grooves in the blade allow for three collecting surfaces
- > Cutting performance reduces patient discomfort
- > Blade has a cutting range of 160° (just like the whole SAFESCRAPER family)
- > Works on plane, concave and convex surfaces



Collected bone already contains
blood and is ready to use



Established benefits

The VOLUMIZER continues to provide the established benefits of the proven SAFESCRAPER TWIST curve:

- > Based on state-of-the-art technology and current medical practices
- > Ergonomic curved body easier for surgeons to use
- > Devices are disposable and come ready to use in single sterile packages
- > Quality of harvested bone means presence of many viable osteocytes
- > Promotes graft acceptance, neovascularization and bone regeneration

Ref.-Nr.	Product	Description
Ref. 5501	SAFESCRAPER TWIST curve VOLUMIZER	3 disposable units, chamber capacity: 2.5 cc



Geistlich takes pride in the quality and safety of our products. Strict manufacturing processes and rigorous testing ensure that all Geistlich products exceed expectations and meet established regulatory requirements.



Excellent synergy: joint usage of META instruments and Geistlich biomaterials



More details about our distribution partners:
www.geistlich-dental.com

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Geistlich Bio-Oss®

Stable scaffold for new bone.^{2,3,4,5} The slow resorption of Geistlich Bio-Oss® increases the stability of the augmentation material⁶ – the best prerequisite for long-term implant survival rates.⁷

Geistlich Bio-Gide®

Stabilizes the grafted area, protecting bone particles from dislocation.⁸ The natural collagen structure allows homogeneous vascularization and permits prompt and optimal tissue integration and wound stabilization.⁹ The combination of flexibility, good adhesion, and tear resistance contribute to easy handling, in turn saving time, and simplifying the surgical procedure.¹⁰



- 1 Zaffe D, D'Avenia F: Clin Oral Implants Res 2007; 18 (4): 525-33. (Clinical study)
- 2 Orsini G et al.: J Biomed Mater Res B Appl Biomater 2005; 74 (1): 448-57. (Clinical study)
- 3 Piattelli M et al.: Int J Oral Maxillofac Implants 1999; 14 (6): 835-40. (Clinical study)
- 4 Sartori S et al.: Clin Implants Res 2003; 14 (3): 369-72. (Clinical study)
- 5 Traini T et al.: J Periodontol 2007; 78 (5): 955-961. (Clinical study)
- 6 Orsini G et al.: Oral Dis 2007; 13 (6): 586-93. (Clinical study)
- 7 Jung RE et al.: Clin Oral Implants Res 2013; 24 (10): 1065-73. (Clinical study)
- 8 Perelman-Karmon M et al.: Int J Periodontics Restorative Dent 2012; 32 (4): 459-65. (Clinical study)
- 9 Rothamel D et al.: Clin Oral Implants Res 2005; 16 (3): 369-78. (Pre-clinical study)
- 10 Data on File. Geistlich Pharma AG, Wolhusen, Switzerland.

