

MICROSS



Making the bone harvesting a handy procedure

The experience META has acquired in developing bone harvesting systems Safescraper has allowed the realization of Micross: a throwaway minimally invasive disposable device indicated in case of manual cortical bone harvesting. The excellent cutting performance, due to Micross exclusive micro-blade, allows an easy autologous collection even in narrow and hard to reach areas, near to the bone defect. The manual harvesting technique warrants the best preservation of cell vitality of the cortical tissue, a fundamental characteristic that allows the best graft integration and reduces reabsorption activity.

The only instrument for the Tunnel harvesting technique

Micross is the only bone harvesting device specifically studied for tunnel surgical techniques that minimize post-operation discomfort. The external diameter of the cannula is 5mm and due to its particular shape the instrument can be inserted in tissue tunnels in the intraoral area as the external oblique line, the cortical palatine and the zygomatic process.

Clinical application

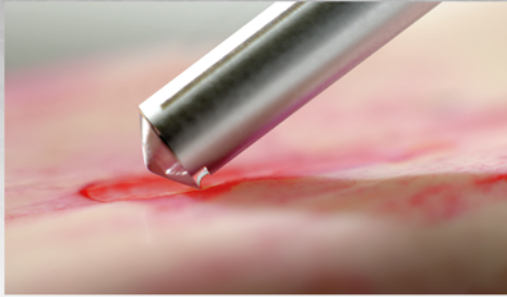
Micross allows the harvest of the strictly necessary measure of bone tissue for the treatment of minor periodontal and peri-implant defects, permitting to avoid the use of bone substitutes.



MICROSS



By using Micross the bone tissue is directly collected in the chamber inside the cannula and it gets an excellent biological plasticity, because of the presence of coagulated blood. The volumizing effect, due to the curly morphology of the collection, reduces the quantity of bone needed to fill the defect and as a consequence it minimizes invasiveness for the patient.



Chamber capacity 0.25 cc

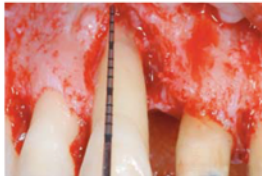


Advantages of the disposable semicircular blade

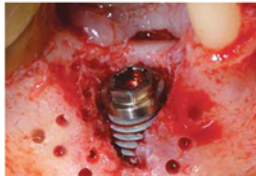
- Maximum cutting efficiency
- Collects cortical bone shavings of appropriate size and thickness for the graft integration
- Excellent control during the harvesting procedure
- Effective on any bone surface (plane, concave, convex)
- No contamination due to the wear of the device



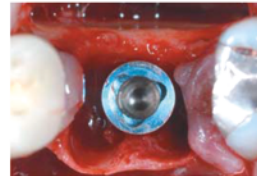
Periodontal defect



Peri-implant defect



Post-extraction defect



Clinical cases courtesy of Dr. F. D'Avenia (Italy)

The only instrument for the Tunnel harvesting technique



BONE AUGMENTATION TREATMENT/OPERATION	RECIPIENT SITE FEATURES	BONE GRAFT VOLUME
Post-extraction alveolar defect	Self-containing intra-bony defect or four-walls defect of premolar root volume.	0,25-0,3 cc.
Peri-implant dehiscence, single implant	Healthy mesial and distal adjacent teeth. Maximum implant surface exposition: 5 threads and 1/3 of the dental implant diameter	0,4 cc.
Peri-implant dehiscence, 2 adjacent implants	Healthy mesial and distal adjacent teeth. Maximum implant surface exposition: 5 threads and 1/3 of the dental implant diameter	0,7-0,8 cc.

Ref. 4049 MICROSS 1 Pc. Micross is a throwaway device, in a sterile single pack. Sterility is guaranteed for 3 years if the package is undamaged.

Rev 02



Art and Innovation in Medical Technology

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