



More efficiency. Less fatigue.
Continuous performance.



WATCH CLINICAL APPLICATION VIDEOS — SCAN THE CODE

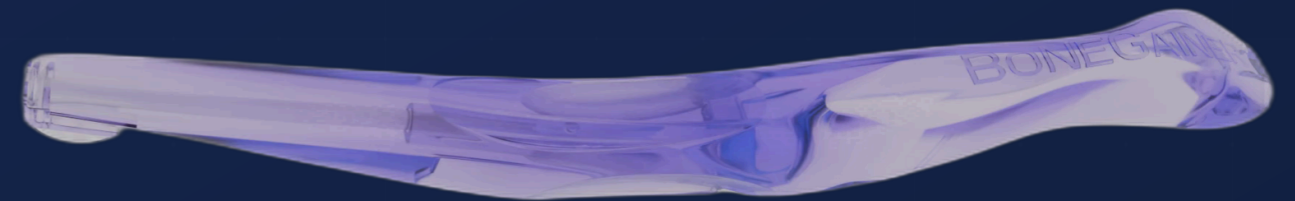
 **MADE IN GERMANY**

MEDICAL DEVICE · STERILE, SINGLE-USE · INTENDED USE

PALDENT TECH

BONEGAINER

Bone scraper with continuous cutting performance for oral surgery



+47%
ERGONOMICS

+39%
EFFICIENCY

+34%
EFFECTIVENESS

CLINICALLY VALIDATED • MADE IN GERMANY • COHEN R = 0.86

— THE INSTRUMENT

Four components. One controlled workflow.

The BoneGainer combines controlled bone harvesting, long-lasting cutting performance, integrated material collection and ergonomic handling.

01
Blade / Working Tip

Designed for controlled harvesting of cortical bone material.

02
Dual-Side Blade Mechanism

Controlled scraping with continuous cutting performance.

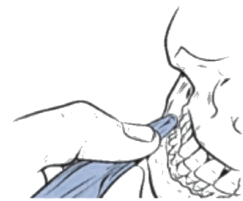
03
Integrated Collection Chamber

Direct collection of harvested bone material – with visual control at all times.

04
Slider Mechanism

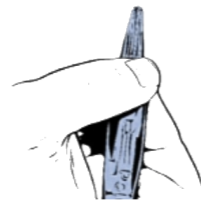
Easy, controlled retrieval of the collected material.

— HOW IT WORKS



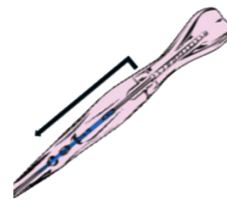
1 Scrape

Gentle, precise collection of autologous bone.



2 Store

Direct collection of material into the integrated chamber.



3 Apply

Simple retrieval and seamless transfer.



Sterile · Single Use

Consistent cutting behavior throughout the entire procedure – eliminating the performance degradation seen with conventional instruments.

— CLINICAL VALIDATION

Significant improvements across all categories.

Non-randomized comparative usability pilot study (2025): The BoneGainer achieved statistically significantly better ratings than the reference instrument in all main categories examined.

+47%
ERGONOMICS

+39%
EFFICIENCY

+34%
EFFECTIVENESS

+34%
SATISFACTION

r = 0.82 – 0.86 COHEN EFFECT SIZE – VERY LARGE EFFECT

Study parameters at a glance

- 16 participants from the fields of oral surgery, dentistry, and OMFS training
- 25 assessment parameters (structured Likert scale 1–5)
- Standardized clinical simulation conducted on human cadaveric models
- Statistical analysis using the paired Wilcoxon test



**Ergonomic. Precise.
Controlled.**

The ergonomic design of the BoneGainer supports stable hand guidance and precise instrument control – for efficient, low-fatigue work in any situation. Suitable for both right- and left-handed users.

FDA STANDARDS

EN-ISO 13485

STERILE · SINGLE USE

MADE IN GERMANY



Watch clinical
videos
paldent-
tech.pages.dev