

EDGe Surgical, Inc.

Give Yourself the EDGe

EDG[®] Ortho 65mm

Measure ~~Twice~~ Once. Done.



PRODUCT OVERVIEW

The EDG[®] Ortho is the first and only single-use Electronic Depth Gauge with superior measurement capabilities, optimized hook design and easy-to-read digital display that aims to improve accuracy, precision, and speed of these measurements while eliminating the risk of infection and mitigating environmental impact associated with reusable devices in orthopedic surgical procedures.



Current Problem

STANDARD ORTHOPEDIC DEPTH GAUGE

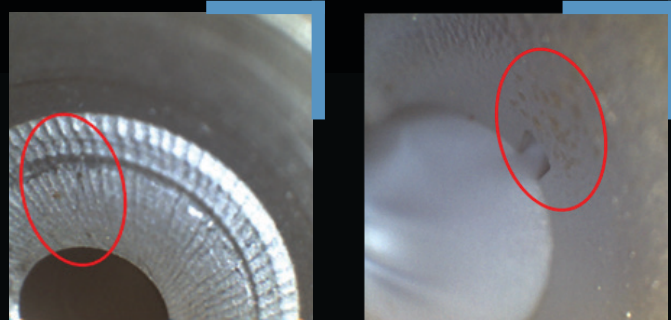
Poor Accuracy

- Inconsistent analog measurement
- Insufficient hook grip

Over \$200 million in wasted implants per year in the US¹

Infection Risk

- Bioburden contamination



\$8.4 billion per year in added healthcare costs to orthopedic and spine procedures²

Actual microscopic images from inside orthopedic depth gauge³

“Several design features exist in orthopedic depth gauges that make effective cleaning difficult, if not impossible...and sterilization is not effective on an insufficiently cleaned surgical instrument.”³

Adverse Environmental Impact

“One of the key findings is that the selected cleaning and sterilization process for reusable instruments is responsible for up to 90 % of the greenhouse gas emissions...”⁴

Clinical Implications and Potential Costs

- Non-unions ~10% of cases⁵
- Implant related complications ~8% of cases⁶
- Unnecessary x-ray exposure and cost

Average Cost per Use of Standard Orthopedic Depth Gauge

> \$400 per case⁶

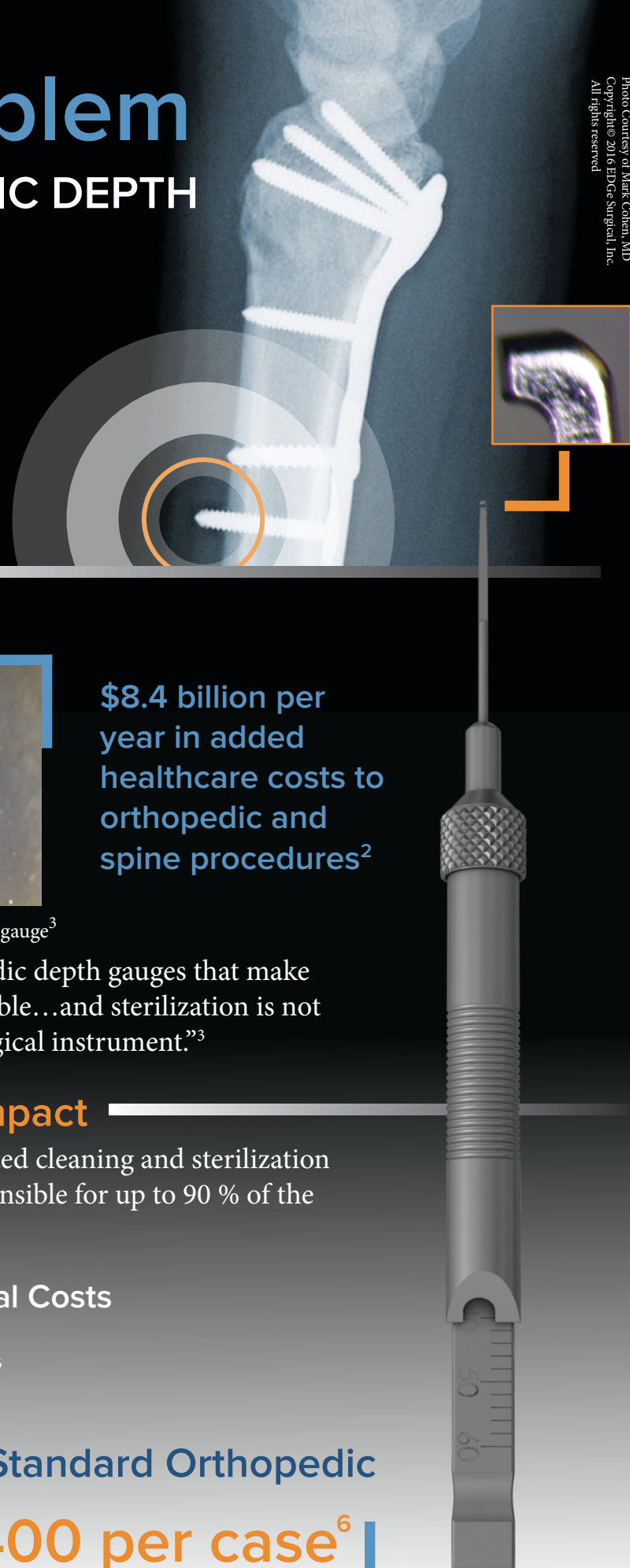


Photo Courtesy of Mark Cohen, MD
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A New Standard

EDG[®] ORTHO

“...accurate selection of appropriate screw lengths will **reduce risks dramatically** and allow the implant to perform as it was designed”⁷



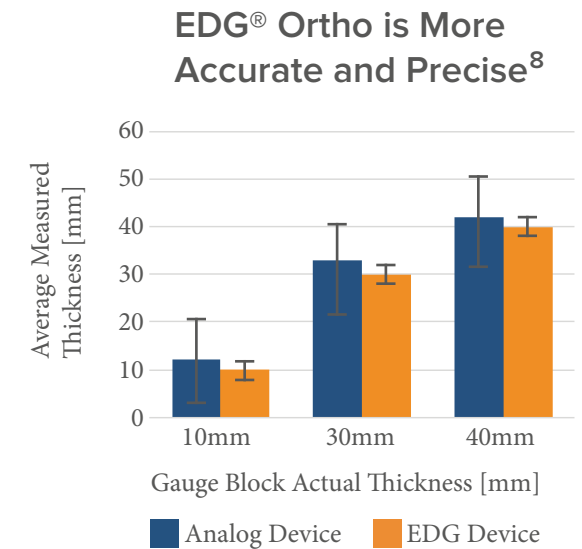
OPTIMIZED HOOK DESIGN

UNIVERSAL NOSE
Fits most size plates.

SINGLE USE
Minimize risk of bioburden contamination and impact to the environment.⁴

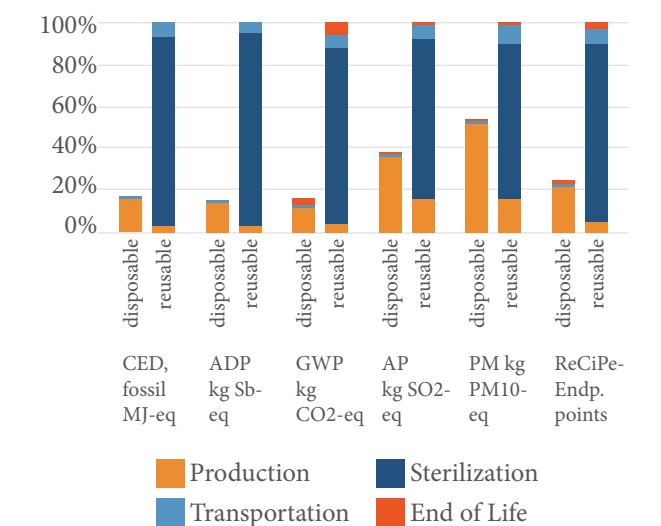
ABILITY TO HOLD MEASUREMENT

EASY TO READ DIGITAL DISPLAY



Environmental Impact: Disposable vs Reusable⁴

“It is evident that the application of the disposable set of instruments results in an environmental advantage of approx. 45–85% against the reusable set in all impact categories. The aggregated single-score indicator depicts an overall benefit of 75%.”



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About EDGe Surgical, Inc.

OUR MISSION

EDGe Surgical is improving screw-hole measurement within orthopedic surgeries to bring better outcomes at lower costs to patients, surgeons, and hospitals.

PRODUCT DESCRIPTION

Quick and accurate measurement of bicortical distance is important to selecting the appropriate screw length for bone fracture plating. Reusable analog measurement tools represent an antiquated holdover in the constantly evolving field of orthopedic surgery. EDGe Surgical's Electronic Depth Gauge (EDG[®]) with superior hook design is a single-use, ergonomically-designed device with a digital read-out to improve accuracy, precision, and speed of these measurements as compared to the current standard analog measuring tool, while decreasing the risk of infection associated with reusable devices.

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