

LM

feel the
difference

LM-ErgoSense

The next generation hand instrument



LM ErgoSense

SIMPLY SENSATIONAL

Great tactile sensitivity

Larger diameter & optimal design

Unique intelligence with RFID technology

LM-Instruments has developed the idea of an ergonomic instrument even further. An advanced RFID chip can now be integrated into new LM-ErgoSense instrument handles enabling complete and reliable traceability of the instrument. The scanned and documented information improve patient safety, material handling and increase cost efficiency.

Rated best in clinical testing

“Feels great in the hand.”



LM-ErgoSense rated best in test

Scientific and objective comparison study

Finnish Institute of Occupational Health 2012

- Dental professionals tested: 5 cures (GRA 11-12) and 5 restorative instruments
- Different manufacturers' handles: LM-ErgoSense (prototype), LM-ErgoMax, Hu-Friedy (thin and thick steel), American Eagle (plastic)
- musculoskeletal strain, postures of the upper limbs and work productivity were measured
- evaluated usability, difference of the instruments and feeling of strain (subjective evaluation)
- calculus removal was found to be most stressing treatment
 - Risk for carpal tunnel syndrome (CTS)
 - Ergonomics especially important to dental hygienists

LM-ErgoSense rated best in test

Discussion

...“The two scaling instruments with **the thickest silicone handles (LM-ErgoSense and LM-ErgoMax) were the most usable instruments** according to the 18 components of the usability features analyzed in this study. **The usability results of these two instruments were statistically significantly better** than the usability results of the instrument with a thinnest metallic handle.”...

Results

“This study showed that the design and material of handles of dental instruments can affect perceived comfort and work productivity. The use of instruments with thick (diameter 12–14 mm) **silicone handles were found to be more usable and cause lower perceived musculoskeletal strain.**

In addition, the use of these instruments as more productive than the use of instruments with thinner handles in a scaling task. **The results of this study can be used to aid dental instruments development and election.**”

LM-ErgoSense assortment & colors

- The complete LM hand instrument range is available with LM-ErgoSense handles
- New fresh colors - color coding stays the same



Unique LM Dental Tracking System



- LM-ErgoSense instruments can be integrated with RFID chips
- Readers for scanning the RFID chips
- Server software for documenting the data
- Streamlines material flows
- Improves asset management & cost effectiveness
- Traceability improves patient safety

LM-ErgoSense receive praises:

"Love the larger design"

"Ideal for relaxed grip"

"Easy to fulcrum"

