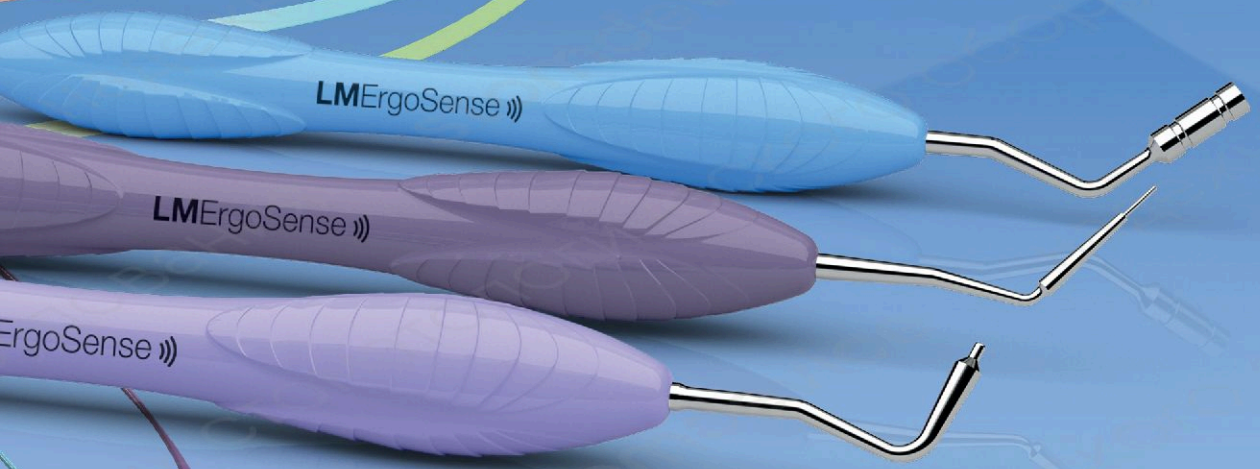
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LM

feel the difference



ENJOY
DENTISTRY.



LMDental

Catalog | English

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Your skills are worth LM

Whether it comes to the design or the production of the LM-Dental instruments, we focus on the specific needs of the dental experts. We are in a constant communication with the end users of our products to keep our product development on the cutting edge. We are the innovation leader that others copy. Our radical product theses of the 1980s – a thicker handle, optimized shape, elastic surface, lightness and color coding – have become industry wide standards in the 21st century.

The ergonomics has been the guiding light of our product development since the establishment of the company. Based on new research we now know more than ever about ergonomic instrumentation. The result is LM-ErgoSense, a future icon in dentistry. With contemporary coating technology we are able add on additional features, that offer unique benefits for you and your patient. Sharpen free periodontal and non-stick restorative instruments are finally reality.

In addition to the new level of ergonomics, LM-ErgoSense offers new opportunities with its built-in RFID technology, which together with scanning readers and software create a unique LM Dental Tracking System™.

You can feel the difference and so does your most satisfied patient.

PLANMECA

LM-Dental is part of the Planmeca Group, one of the world's leading manufacturers of dental equipment.
www.planmeca.com

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Ergonomics and coatings | Sharp Diamond sharpen free coating | LM-ErgoSense & LM Dental Tracking System™ | Handle selection | Warranty terms

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The pioneer in INSTRUMENT ERGONOMICS

How to define the ergonomics of a hand instrument? Firstly a non-slip, natural grip on an instrument are essential. Secondly a lightweight and optimized design prevents effectively occupational diseases. Thirdly a good tactile sensitivity and easy handling of the instrument guarantee the best clinical results. Reliability, wear resistance and comfort are the features that will be evident for both, the dentist and the patient. These are the guiding principals how Pekka Kangasniemi, DDS, one of the founders of LM, defined instrument ergonomics already in the 1980s.

Still today our aim in product development is to innovate together with the clinicians. Based on new research we now know more than ever about ergonomic instrumentation. The result is LM-ErgoSense, which fits the hand perfectly, enables relaxed grip and offers ultimate tactile sensitivity.

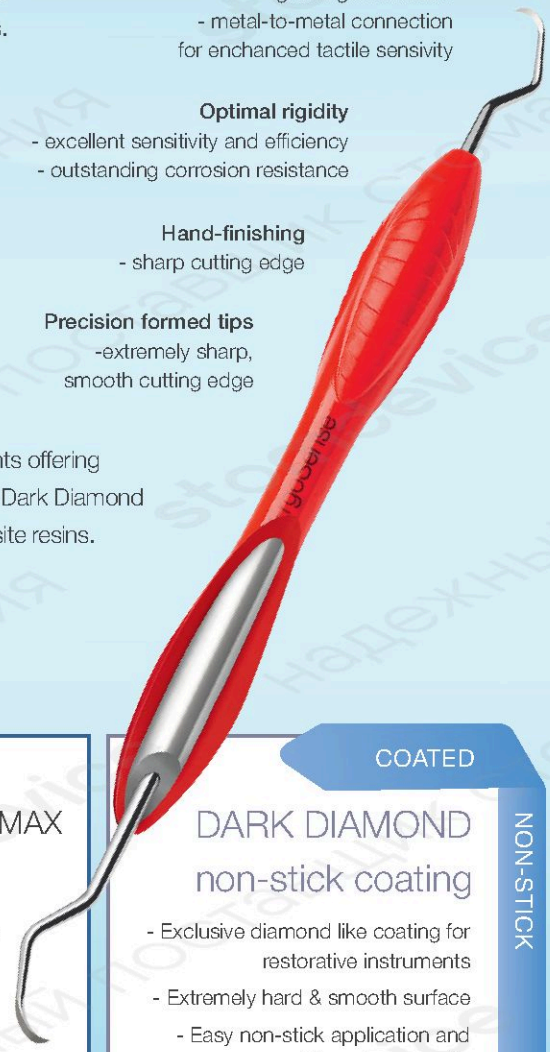
Elastic, ergonomic surface material and optimal contouring
- comfortable and non-slip grip

Special alloyed metal core
- lightweight structure
- metal-to-metal connection for enchanced tactile sensivity

Optimal rigidity
- excellent sensitivity and efficiency
- outstanding corrosion resistance

Hand-finishing
- sharp cutting edge

Precision formed tips
-extremely sharp, smooth cutting edge



Contemporary coatings offer new benefits

With contemporary coating technology we are able to add additional features to our dental instruments offering unique benefits. Sharpen free periodontal and non-stick restorative instruments are finally reality. The Dark Diamond instruments with non-stick diamond like coating allow for pleasant and precise contouring of composite resins.

Sharpen or not?

In periodontics the hot discussion topic has been whether instruments should be sharpened or not. In both cases LM periodontal instruments are ultimate in metallurgy. The high wear resistance and hardness of the blade metal makes them efficient, long-lasting and comfortable. Resulting from the advanced material technical research and modern micro coating technology LM can offer the highest quality in both uncoated and coated product categories.

Sharpen free - The micro coated Sharp Diamond instruments are completely sharpen free and razor sharp.

Resharpen - If you wish to resharpen the uncoated LM-DuraGradeMAX supersteel offers you the ultimate wear resistance.

The choice is yours.

UNCOATED

LM-DuraGradeMAX supersteel

- High wear resistance
- Immune to corrosion
- Can be resharpened

COATED

DARK DIAMOND non-stick coating

- Exclusive diamond like coating for restorative instruments
- Extremely hard & smooth surface
- Easy non-stick application and modeling of composite
- Dark color for maximum contrast

NON-STICK

High-tech production technology

Like every true professional we also aim for the ultimate perfection in our work. LM-Dental devotes its entire product development and production process to achieve the best possible quality in all our products for you to have the very best tools to work with. We deliver the highest of quality to guarantee your success in the treatment results. All our products are produced in Scandinavia. We give our high-tech products a handmade finish to gain a top-quality end result and highest functionality.

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Enjoy sharpen free prophy & perio

Opposites attract. This holds true with high-quality, periodontal instruments. Optimally they are razor sharp, extremely hard, yet smooth and light. A new micro membrane coating made using modern Physical Vapor Deposition (PVD) technology enables LM to create Sharp Diamond instruments with the optimum combination of these features. Sharp Diamonds are completely sharpen free, tough but refined, offering unique benefits for you and your patient.

"It's great that I don't need to waste my time on sharpening any longer! Since the Sharp Diamond instruments are totally sharpen free, I can concentrate on the clinical work. Even my patients have noticed how these instruments feel more comfortable and are quieter. I can remove calculus with controlled strokes using extremely light grip. The long-lasting sharpness really makes a difference!"

Anna, Registered Dental Hygienist, USA

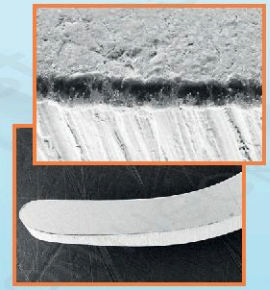


COATED

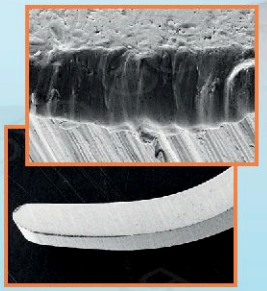
SHARPEN FREE

SHARP DIAMOND sharpen free coating

- Micro membrane coating for periodontal instruments made using the most advanced PVD (Physical Vapor Deposition) technology
- Completely sharpen free
- Superior long-lasting sharpness
- Maximal wear resistance



Cutting edge of the Sharp Diamond curette and the magnification of the edge after the test.



Cutting edge of a typical non-coated curette and the magnification of the edge after the test.

CHOOSE SHARP.

SHARPEN FREE MICRO COATING

You will enjoy full control and improved tactile sense while easily effectively removing the calculus.

Savings of time & money

Long-lasting superior sharpness

Highest rated ergonomics with sensational grip*

Improved productivity & clinical results

DIAMOND-LIKE FEATURES

Sharpen free .....

Superior sharpness .....

Highest rated ergonomics.....

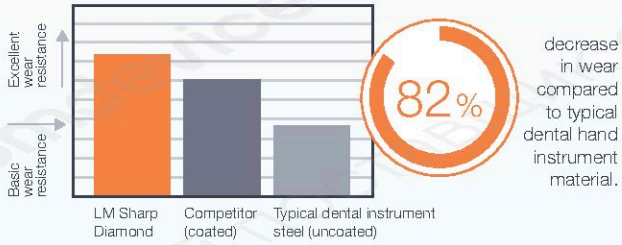
Minimum maintenance .....

HARDNESS

Hardness contributes to the durability of the instrument. Sharp Diamond reach hardness of over 63 on Rockwell scale.

HARDNESS OVER 63 HRC

WEAR RESISTANCE**



decrease in wear compared to typical dental hand instrument material.

Reference studies: * (1) Sormunen E., Nevala N: Evaluation of ergonomics and usability of dental scaling instruments; Dental scaling simulation and Field study, part III. Finnish Institute of Occupational Health, LM-Instruments Oy. (2) Nevala N, Sormunen E, Remes J, Suomalainen K: Ergonomic and productivity evaluation of scaling instruments in dentistry. The Ergonomics Open Journal 2013; 6, 6-12. ** Leppäniemi J. et all: The influence of PVD coatings on the wear performance of steel dental currettes. Key Engineering Materials Vol. 674 (2016), 289-295.

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LM INNOVATION

LMErgoSense
SENSATIONAL GRIP AND UNIQUE INTELLIGENCE

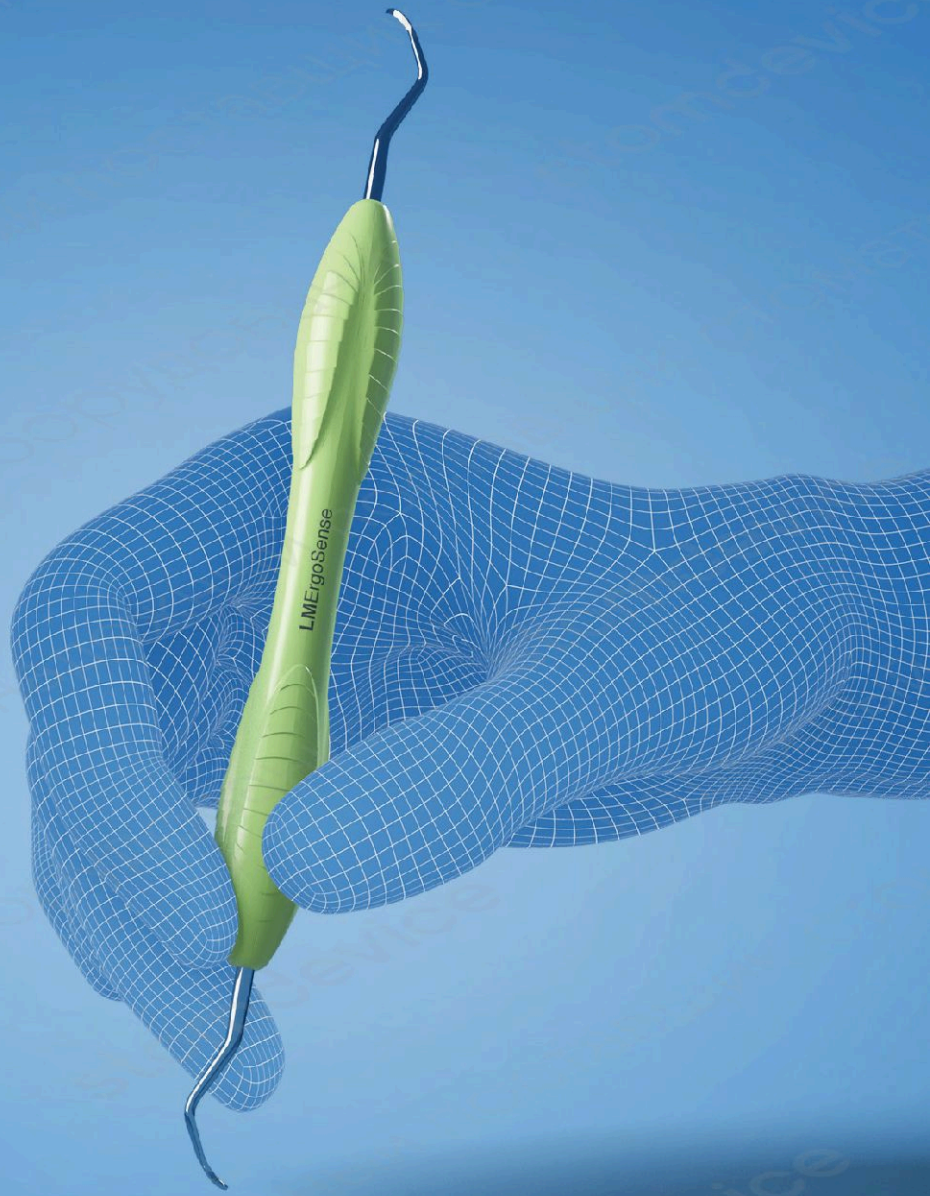
Today the focus is on ergonomics – without losing sight of efficiency. The LM-ErgoSense hand instrument meets both of these requirements and is truly a unique combination of ergonomic design and integrated new technology. It is the outcome of intense research and product development in close cooperation with dental clinicians and professionals. An ergonomic, high quality hand instrument naturally feels good in the hand. Even genuinely sensational as the smart LM-ErgoSense has been described.

Rated as the best hand instrument

The value of a truly ergonomic instrument grip can never be emphasized enough as revealed in several scientific studies. A hand instrument with thick silicone handle has been found to be more usable, cause lower perceived strain and to be more productive than those with thinner handles (1). LM-ErgoSense was rated as the best in ten out of fourteen specified usability features compared with the other tested instruments in a dental scaling simulation (1). It was also ranked as the best instrument.

Most participants in the authentic scaling part of the study considered the LM-ErgoSense silicone handle as their favorite due to the enhanced grip, comfort and instrument's functional design. The participants' evaluations were based on their active use of the LM-ErgoSense in authentic clinical work. In another study focusing on ergonomics, usability characteristics and work productivity using different manufacturers' hand instruments the thick, silicone coated LM-Dental hand instruments were the most preferred choice in regard to all 18 usability criteria used in the test (2).

The story of LM-ErgoSense



Reference studies:
(1) Sormunen E., Nevala N: Evaluation of ergonomics and usability of dental scaling instruments; Dental scaling simulation and Field study, part III. Finnish Institute of Occupational Health, LM-Instruments Oy.
(2) Nevala N, Sormunen E, Remes J, Suomalainen K: Ergonomic and productivity evaluation of scaling instruments in dentistry. The Ergonomics Open Journal 2013; 6, 6-12.

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LM INNOVATION

“Feels great in the hand.”

Great tactile sensitivity

Larger diameter & optimal design

Unique intelligence with RFID technology

LM-Dental has developed the idea of an ergonomic instrument even further. An advanced RFID chip can now be integrated into LM-ErgoSense instrument handles enabling complete and reliable traceability of the instrument.

Rated best in clinical testing

LM Dental Tracking System™ IMPROVING MATERIAL FLOWS AND PATIENT SAFETY



What if you could see the exact location of every dental instrument and material on your computer? LM Dental Tracking System™ (DTS) is the first commercially available system to use RFID technology to efficiently track and monitor instruments and materials in the dental industry.

The LM-ErgoSense hand instrument with advanced built-in RFID technology together with scanning readers and server software create a unique Dental Tracking System™. The cutting edge system gives the visibility of instruments and materials from storage and maintenance through to clinic and patient care. The scanned and documented information improves patient safety, material handling and increases cost efficiency. DTS offers new possibilities within maintenance and clinical use for dental clinics.

Key advantages

Patient safety
- Safe materials
- Sterilized instruments
- Material traceability

Cost reduction
- Avoid time consuming manual controls
- Decrease stock
- Improve material flow

Asset management
- Ease consumption recording
- Indication of demand
- Improve time management

Documentation & education support
- Reduce risks
- Decrease loss
- Clinical training
- Patient session planning

More info on www.dentaltracking.com

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Choosing the handle

Choosing the most ergonomic hand instrument can make a big difference in terms of discomforts and disorders when performing dental work. It is by no means insignificant what the diameter of the hand instrument's handle is or what the material of the grip surface is. When holding the instruments for approximately 2,000 hours each year, the design, weight and feel of the instrument are crucial for the dental practitioner in terms of his/her performance and productivity.

LM instruments are available with a selection of different handles. All exceptionally ergonomic due to the elastic silicone coating and optimized contouring. The clinician's hand fit and indication both play a role in selecting an ideal handle type. Interchanging different handles, may place the user's hand under even less strain.



Colors, naming and coding

To facilitate color coding and brighten up working practices LM-ErgoSense, LM-ErgoMax and LM-ErgoNorm instruments come in refreshing colors. The name and the code number on the handle ease the identification of the instrument during clinical procedures and maintenance.

Handle selection



LM-ErgoSense

The larger diameter and design provide sensational grip that has been proven to be ergonomic and efficient in scientific clinical testing. Uniquely intelligent handle with the option for RFID tagging. The compatibility with the LM Dental Tracking System™ offers many opportunities to improve asset management and patient safety (see more on www.dentaltracking.com).



LM-ErgoMax

Classic ergonomic design that others copy. Functions well in all clinical procedures and guarantees excellent tactile sensitivity and relaxed grip.



LM-ErgoNorm

The thinner handle that functions best in light clinical procedures.

Codes and diameters

LMErgoSense

ES = ErgoSense handle
(Ø 13.7 mm)

LMErgoMax

XSI = ErgoMax handle
(Ø 11.5 mm)

LMErgoNorm

SI = ErgoNorm handle
(Ø 8.5 mm)

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Special handles





LM-ErgoMix

The LM-ErgoMix handle for exchangeable tips offers all the economical and ecological benefits of retipping.

Available for specific instruments, see page 33.

LM-ErgoSingle

Well balanced mirror handle with better reachability.

LMErgoMix	LMErgoSingle
EM = ErgoMix handle (Ø 12.5 mm)	ESI = ErgoSingle handle (Ø 11.5 mm)

TERMS OF WARRANTY

Limited Warranty

The following warranty terms apply to the sale of LM-Instrument Oy's products (hereinafter "Products") to a purchasing company or individual by LM-Instruments Oy (hereinafter "LM").

LM hereby warrants that the Products will be free from defects arising from faulty materials or workmanship for a period of twenty four (24) months from the date of purchase by a customer from LM's authorized dealer (hereinafter "Authorized Dealer"). The warranty period is exceptionally three (3) months for products with a life inherently shorter than 24 months due to normal wear and tear (for example tips of hand instruments, tips of ultrasonic scalers, tips of endodontic files, front surface mirrors and grinding stones of sharpening devices) and for RFID tags to dental instruments manufactured by third party manufacturer (hereinafter "Third Party").

This warranty shall not apply to Products or parts thereof;

a) which have been subject to abuse, misuse, negligence or accident or are not connected to proper power supply;
b) to which any modification, alteration or attachment has been made without written consent of LM;
c) which are installed or operated violating instructions for installation, use and maintenance; or
d) which are normally consumed in operation (for example working tips of LM-MultiHolder and strips for LM-Cello).

End-user is entitled to install RFID tags to dental instruments manufactured by Third Party. When installing RFID tags to the dental instruments manufactured by Third Party (hereinafter "Instruments"), end-user is liable to check warranty terms and product information of the Instruments to ensure that instalment does not have adverse effect to Instruments or to the terms and conditions applied between end-user and its suppliers. End-user shall install RFID tags to Instruments or get those installed by LM or other party at its own risk. LM shall not be liable for any damages accrued due to the instalment of RFID tags to Instruments. This limitation of liability does not apply in respect of damage caused by

a) negligence of LM when installing the RFID tags to Instruments, or
b) RFID tags defective at the time of delivery to end-user

to personal private property, or personal injury or death.

The sole and exclusive remedy under this warranty shall be limited to correct or circumvent the errors or to repair or replacement of defective parts of Products, EXW LM's factory, providing that a written claim of the defect is sent to LM within the warranty period and the original part is returned to LM's factory by the Authorized Dealer, and LM's inspection establishes the existence of such a defect.

The end customer must contact the Authorized Dealer from whom the Products were purchased to request repair or replacement under this warranty and a written claim of the defects and send the original Product to the Authorized Dealer. This warranty is void if service or repair is performed by persons not authorized by LM.

Any products not manufactured by LM, carries only such warranty, if any, as given by any manufacturer thereof.

This warranty is the LM's only warranty in respect of the Products and LM disclaims all other warranties, whether of merchantability, fitness for particular purpose or otherwise, guarantees and liabilities, express or implied, arising by law or otherwise. In no event shall LM be liable for any general, consequential or incidental damages, loss of use or loss of profits by reason of LM's negligence or otherwise in connection with the sale, delivery, installation, repair or use of the Products.

LM shall have no liability whatsoever to the Authorized Dealer or end customer or any other person for or on account of any injury, loss or damage of any kind or nature, sustained by, or any damages assessed or asserted against, or any other liability incurred by or imposed upon the handling, use, operation, maintenance or repairs of Products by anyone other than LM. This exclusion of liability does not apply pursuant to the laws on product liability in case of personal injury and property damage to privately used objects resulting from the Products.

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MIRROR HANDLES

Simple stem

LM 25 mirror handle threads are in accordance with international standard M2.5. The mirror shank must have a diameter of 2.5 mm.

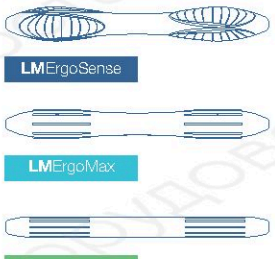
Mirrors are sold separately. Product no 10P12, box of 12 pcs, mirror #4 simple stem.

Cone socket

LM 28 mirror handle threads are in accordance with international standard UNF4-48. The mirror shank must have a diameter of 2.6 mm.



Handle options:



ErgoSingle Mirror Handle

LMErgoSingle LM 25 ESI
LMErgoSingle LM 28 ESI

- Well balanced, better reachability
- Colors: red, grey, blue

Mirror Handle 25

LMErgoSense LM 25 ES
LMErgoMax LM 25 XSI
LMErgoNorm LM 25 SI

- Single-ended
- Simple stem design
- Colors: red, grey, blue

Mirror Handle 28

LMErgoSense LM 28 ES
LMErgoMax LM 28 XSI

- Single-ended
- Cone socket design, UNF4-48, with special threads
- Colors: red, grey, blue

Mirror handle, ortho

LMErgoSense LM 25-26 ES
LMErgoMax LM 25-26 XSI
LMErgoSense LM 28-26 ES
LMErgoMax LM 28-26 XSI

- Bausch-Verbiest design
- Orthodontic mirror handle
- For measuring the sagittal overjet and vertical overbite
- Millimeter scale, total length 25 mm

Mirror Handle JM

LMErgoSense LM 25-473 ES
LMErgoMax LM 25-473 XSI

- For implant installation

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EXPLORERS

For diagnosing calculus and caries and exploring of pockets, restorations and furcations.



Explorer 5-8

LMErgoSense LM 5-8 ES
LMErgoMax LM 5-8 XSI
LMErgoNorm LM 5-8 SI

- Standard explorer for diagnostic and operative procedures



Explorer 5-9

LMErgoSense LM 5-9 ES
LMErgoMax LM 5-9 XSI
LMErgoNorm LM 5-9 SI

- Standard explorer for diagnostic and operative procedures





Especially for probing distal surfaces of posterior teeth.

Explorer, centered 9-17C

LMErgoSense LM 9-17C ES
LMErgoMax LM 9-17C XSI
LMErgoNorm LM 9-17C SI

- Centered tip (17C)
- Elongated lower shank and "back-action" blade



Explorer 17-23

LMErgoSense LM 17-23 ES
LMErgoMax LM 17-23 XSI
LMErgoNorm LM 17-23 SI

- For distal surfaces (17)
- Elongated lower shank and "back-action" blade (17)
- For areas in the vicinity of proximal contact surfaces (17)
- Also for probing occlusal surface grooves (23)
- For detecting subgingival calculus (23)





Especially for probing distal surfaces.

Explorer 17C-23

LMErgoSense LM 17C-23 ES
LMErgoMax LM 17C-23 XSI
LMErgoNorm LM 17C-23 SI

- For distal surfaces (17C)
- Centered tip (17C)
- For areas in the vicinity of proximal contact surfaces (17C)
- Also for probing occlusal surface grooves (23)
- For detecting subgingival calculus (23)



Explorer 3-6

LMErgoSense LM 3-6 ES
LMErgoMax LM 3-6 XSI
LMErgoNorm LM 3-6 SI

- Standard explorer for diagnostic and operative procedures





For subgingival root examination.

Explorer 11-12

LMErgoSense LM 11-12 ES
LMErgoMax LM 11-12 XSI
LMErgoNorm LM 11-12 SI

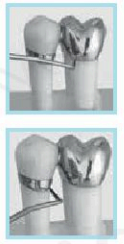
- Angles similar to Gracey 11/12
- For probing proximal and cervical caries

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High sensitivity at seams.



Handle options:



LMErgoSense



LMErgoMax



LMErgoNorm

Flexplorer 11F-12F

LMErgoSense LM 11F-12F ES
LMErgoMax LM 11F-12F XSI

- Flexible explorer angulated similarly to Gracey 11/12
- Well-suited for periodontal diagnosing of subgingival calculus and probing deep pockets

Explorer 18-19

LMErgoSense LM 18-19 ES
LMErgoMax LM 18-19 XSI
LMErgoNorm LM 18-19 SI

- For prosthetic crowns, bridges and inlay- / onlay fillings
- Excellent sensitivity at seams

Explorer 29

LMErgoSense LM 29 ES
LMErgoMax LM 29 XSI
LMErgoNorm LM 29 SI

- Holst design
- Lateral angle on the shank
- Single-ended

Explorer 9

LMErgoSense LM 9 ES
LMErgoMax LM 9 XSI
LMErgoNorm LM 9 SI

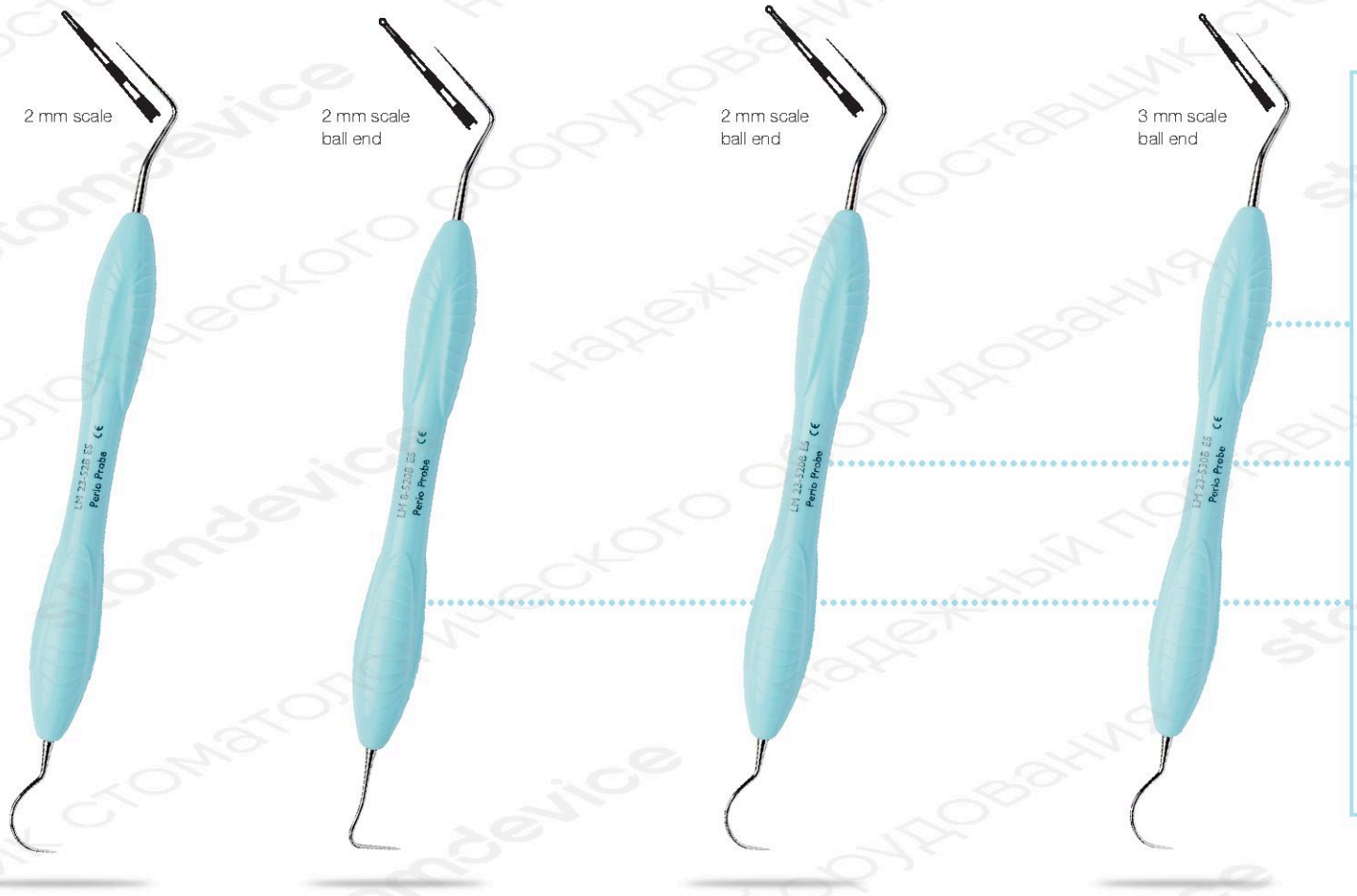
- Single-ended

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PERIODONTAL PROBES

Combination instruments for probing caries and parodontium.

- Most periodontal probes are available also in single-ended designs.
- Color-coded scales facilitate measurement of the gingival pocket



Ball end ø 0,5 mm

- Increases tactile sensivity
- Does not damage tissue or pierce pocket bottom
- Gives more accurate pocket depth measurement
- Gives information on subgingival calculus and other root surface unevenness

Explorer - Periodontal Probe 23-52B

LMErgoSense	LM 23-52B ES
LMErgoMax	LM 23-52B XSI
LMErgoNorm	LM 23-52B SI

Explorer - Periodontal Probe 8-520B

LMErgoSense	LM 8-520B ES
LMErgoMax	LM 8-520B XSI
LMErgoNorm	LM 8-520B SI

Explorer - Periodontal Probe 23-520B

LMErgoSense	LM 23-520B ES
LMErgoMax	LM 23-520B XSI
LMErgoNorm	LM 23-520B SI

Explorer - Periodontal Probe 23-530B

LMErgoSense	LM 23-530B ES
LMErgoMax	LM 23-530B XSI
LMErgoNorm	LM 23-530B SI

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Williams Probe

LMErgoSense LM 51 ES
LMErgoMax LM 51 XSI
LMErgoNorm LM 51 SI

- Single-ended



Explorer - WHO Probe 8-550B

LMErgoSense LM 8-550B ES
LMErgoMax LM 8-550B XSI
LMErgoNorm LM 8-550B SI



Explorer - WHO Probe 23-550B

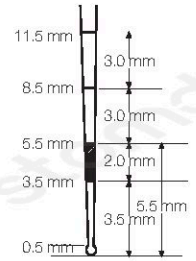
LMErgoSense LM 23-550B ES
LMErgoMax LM 23-550B XSI
LMErgoNorm LM 23-550B SI



WHO Probe 550B

LMErgoSense LM 550B ES
LMErgoMax LM 550B XSI
LMErgoNorm LM 550B SI

- Single-ended



WHO probe was developed for CPITN method.

Diagnosis:

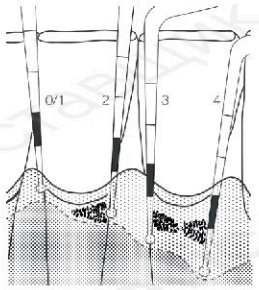
0 = healthy

1 = bleeding during probing

2 = supra- and/or subgingival calculus, filling or crown excesses

3 = gingival pockets to 5 mm

4 = pockets deeper than 6 mm



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North Carolina Probe 54B

LMErgoSense LM 54B ES
LMErgoMax LM 54B XSI

- Single-ended



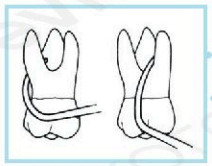
Marquis 12 Probe 53B

LMErgoSense LM 53B ES
LMErgoMax LM 53B XSI

- Single-ended
- Similar to 530B but without ball end

FURCATION PROBES

For probing the extent and depth of furcation lesions.



- For probing furcation lesions from different angles, both in the upper and in the lower jaw region.



Nabers Probe

LMErgoSense LM 20-21 ES
LMErgoMax LM 20-21 XSI
LMErgoNorm LM 20-21 SI



Furcation Probe

LMErgoSense LM 20B-21B ES
LMErgoMax LM 20B-21B XSI
LMErgoNorm LM 20B-21B SI

INSTRUMENT SET



LM-DiagnoSet

LMErgoSense LM 6651 ES
LMErgoMax LM 6651 XSI

Includes:
LM-Servo 5 cassette, Mirror Handle & mirror, Explorer LM 5-8, WHO Probe LM 550B, Round Excavator 1.5 mm, Tweezers

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NEW COATING!

LMSharpDiamond - Enjoy sharpen free prophylaxis and perio

LM Sharp Diamond instruments are completely sharpen free. These instruments are made from exceptionally durable special metal alloy, and its wear resistance is enhanced by a protective micro membrane coating.

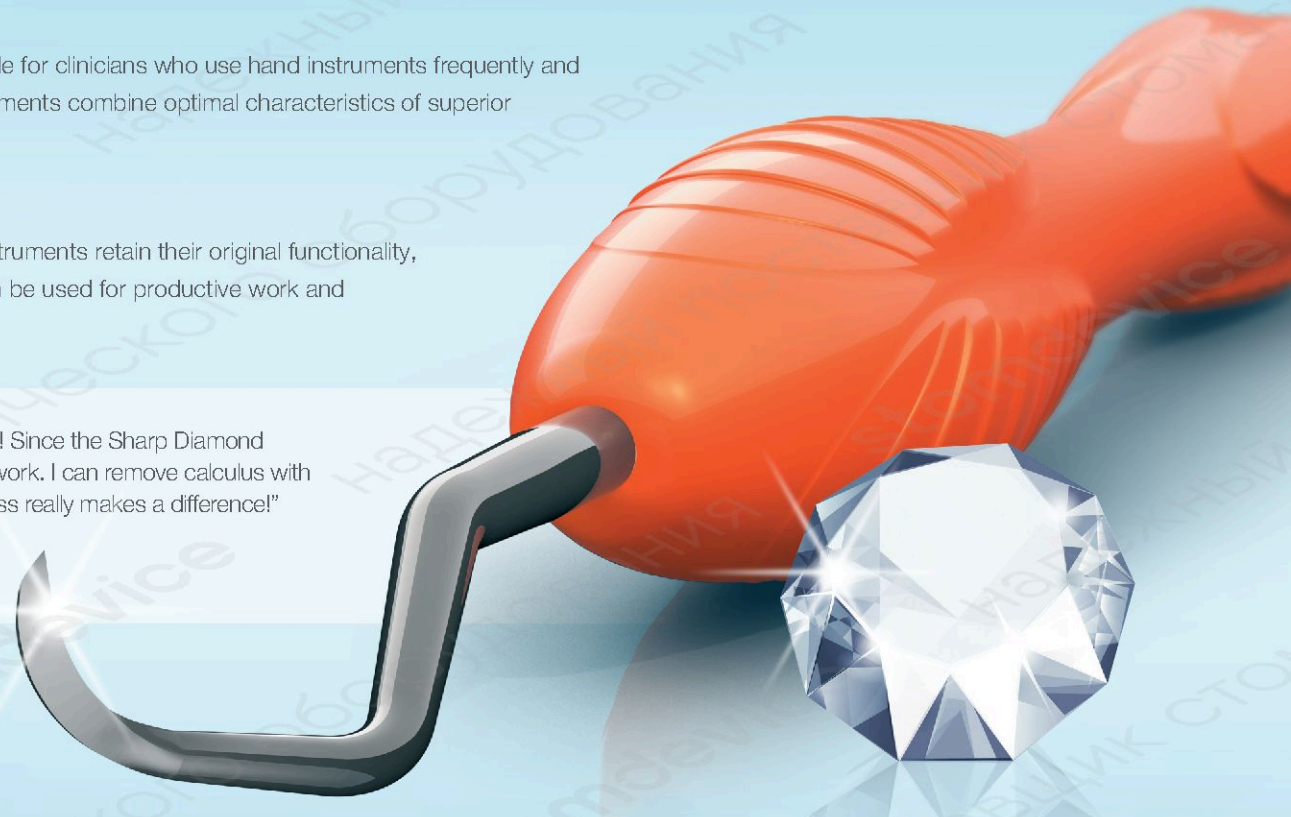
Sharpness & comfort

Sharp Diamond instruments with LM-ErgoSense handle are especially suitable for clinicians who use hand instruments frequently and want to minimize the time spent maintaining dental instruments. These instruments combine optimal characteristics of superior sharpness, tactile sensitivity and comfort.

Better instruments, better outcomes

Sharp Diamond instruments are well-suited for all forms of scaling. These instruments retain their original functionality, size and shape throughout their lifetime. The time saved from sharpening can be used for productive work and promotion of health. Choose sharp and work efficiently.

> "It's great that I don't need to waste my time on sharpening any longer! Since the Sharp Diamond instruments are totally sharpen free, I can concentrate on the clinical work. I can remove calculus with controlled strokes using extremely light grip. The long-lasting sharpness really makes a difference!"
>
> *Anna, Registered Dental Hygienist, USA*



Unique benefits for you and your patient

Savings of time & money

Long-lasting superior sharpness

Highest rated ergonomics with sensational grip*

Improved productivity & clinical results

You will enjoy full control and improved tactile sense, while effectively removing the calculus.

For more information and video scan the QR code or visit www.lm-dental.com /sharpdiamond

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SICKLE SCALERS

> **LM**SharpJack - what a great instrument!
>
> It has the best features you could wish for. It's very narrow and thin which allows you to enter everywhere, even in the smallest areas. Perfect that the tip is so long so you can get in between molars. My favorite without competition, I'm in love!"
>
> *Malin, Registered Dental Hygienist, Sweden*

The new LM-SharpJack instrument features extra long, thin blades for convenient interproximal access presenting the most popular scaler design in the US. The shank is optimally angled to universally adapt in anterior and posterior regions.



NEW

LM-SharpJack SD

LMErgoSense LM 315-316SD ES

- Sharp Diamond sharpen free coating
- Anterior/posterior scaler
- Thin dual-edged blades for easy and efficient interproximal access



Micro Sickle SD

LMErgoSense LM 301-302SD ES

- Sharp Diamond sharpen free coating
- Delicate working end
- Elongated shank



Mini Sickle SD

LMErgoSense LM 311-312SD ES

- Sharp Diamond sharpen free coating
- Fine, slightly angled blade
- For all tooth surfaces

NEW



Sickle LM23 SD

LMErgoSense LM 313-314SD ES

- Sharp Diamond sharpen free coating
- Posterior scaler
- Shorter blades and longer lower shank than in Mini Sickle

NEW



Scaler H6-H7 SD

LMErgoSense LM 146-147SD ES

- Sharp Diamond sharpen free coating
- For all tooth surfaces
- Longer shank and smaller lateral bending than in LM-SharpJack

NEW



Columbia 4L-4R SD

LMErgoSense LM 219-220SD ES

- Sharp Diamond sharpen free coating
- For incisors, canines and premolars
- For heavier calculus

NEW



Barnhart 5-6 SD

LMErgoSense LM 227-228SD ES

- Sharp Diamond sharpen free coating
- For molars
- Shorter lower shank

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NEW COATING! SHARPEN FREE

DUAL GRACEYS

- Dual Gracey, combining the benefits of universal curettes and finishing curettes Gracey 11-12 and 13-14
- For all tooth surfaces
- More information on page 27

NEW



Syntette SD

LMErgoSense LM 215-216SD ES

- Sharp Diamond sharpen free coating



Mini Syntette SD

LMErgoSense LM 215-216MSD ES

- Sharp Diamond sharpen free coating

GRACEY CURETTES

NEW



Gracey 1/2 SD

LMErgoSense LM 201-202SD ES

- Sharp Diamond sharpen free coating
- For incisors and premolars



Mini Gracey 1/2 SD

LMErgoSense LM 201-202MSD ES

- Sharp Diamond sharpen free coating
- For incisors and premolars

NEW



Gracey 7/8 SD

LMErgoSense LM 207-208SD ES

- Sharp Diamond sharpen free coating
- For premolars and molars
- For buccal and lingual surfaces



Mini Gracey 7/8 SD

LMErgoSense LM 207-208MSD ES

- Sharp Diamond sharpen free coating
- For premolars and molars
- For buccal and lingual surfaces

NEW



Gracey 11/12 SD

LMErgoSense LM 211-212SD ES

- Sharp Diamond sharpen free coating
- For premolars and molars
- For mesial surfaces



Mini Gracey 11/12 SD

LMErgoSense LM 211-212MSD ES

- Sharp Diamond sharpen free coating
- For premolars and molars
- For mesial surfaces

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NEW COATING!

SHARPEN FREE

NEW



Gracey 13/14 SD

LMErgoSense LM 213-214SD ES

- Sharp Diamond sharpen free coating
- For premolars and molars
- For distal surfaces



Mini Gracey 15/16 SD

LMErgoSense LM 245-246MSD ES

- Sharp Diamond sharpen free coating
- For molars' mesial surfaces
- Blade shank more sharply angulated than in Mini Gracey 11/12 for better access



Mini Gracey 13/14 SD

LMErgoSense LM 213-214MSD ES

- Sharp Diamond sharpen free coating
- For premolars and molars
- For distal surfaces



Mini Gracey 17/18 SD

LMErgoSense LM 247-248MSD ES

- Sharp Diamond sharpen free coating
- For molars' distal surfaces
- Blade shank more sharply angulated than in Mini Gracey 13/14 for better access

CHOOSE SHARP.

SHARPEN FREE MICRO COATING

You will enjoy full control and improved tactile sense while easily effectively removing the calculus.

Savings of time & money

Long-lasting superior sharpness

Highest rated ergonomics with sensational grip*

Improved productivity & clinical results

DIAMOND-LIKE FEATURES

Sharpen free .....

Superior sharpness .....

Highest rated ergonomics.....

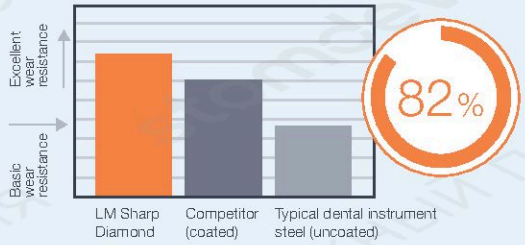
Minimum maintenance .....

HARDNESS

Hardness contributes to the durability of the instrument. Sharp Diamond reach hardness of over 63 on Rockwell scale.

HARDNESS OVER 63 HRC

WEAR RESISTANCE**



decrease in wear compared to typical dental hand instrument material.

Reference studies: * (1) Sormunen E., Nevala N: Evaluation of ergonomics and usability of dental scaling instruments; Dental scaling simulation and Field study, part III. Finnish Institute of Occupational Health, LM-Instruments Oy. (2) Nevala N, Sormunen E, Remes J, Suomalainen K: Ergonomic and productivity evaluation of scaling instruments in dentistry. The Ergonomics Open Journal 2013; 6, 6-12. ** Leppäniemi J. et all: The influence of PVD coatings on the wear performance of steel dental currettes. Key Engineering Materials Vol. 674 (2016), 289-295.

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LM

feel the difference

ENJOY PERIO.



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SICKLE SCALERS

For the removal of supragingival calculus.

Instrumentation:

For calculus removal place the tip third of the scaler's cutting edge against the tooth. Tilt the instrument toward the tooth to achieve 70° to 80° angle between the tooth and the blade. Apply lateral pressure and activate the scaler by using vertical, diagonal or horizontal pull strokes. To maintain control use short 2-3 mm long strokes.

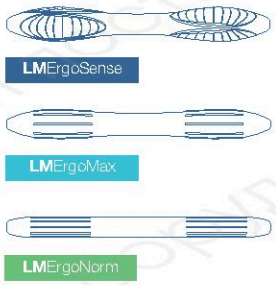


Design:

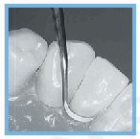
- Triangular cross section
- Face perpendicular to the lower shank
- Two cutting edges (red line)
- Pointed tip

Sharpening

Handle options:







Delicate working end. Especially for tight interdental spaces.

Micro Sickle

LMErgoSense	LM 301-302 ES
LMErgoMax	LM 301-302 XSI
LMErgoNorm	LM 301-302 SI

- 204SD design
- Delicate working end
- Elongated shank

Clinical use

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 17.



Sickle LM204S

LMErgoSense	LM 303-304 ES
LMErgoMax	LM 303-304 XSI
LMErgoNorm	LM 303-304 SI

- Sharply angulated shank and very fine working end





For all tooth surfaces, especially proximal surfaces.

Mini Sickle

LMErgoSense	LM 311-312 ES
LMErgoMax	LM 311-312 XSI
LMErgoNorm	LM 311-312 SI

- Fine, slightly angled blade
- For all tooth surfaces

Clinical use

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 17.



Sickle LM23

LMErgoSense	LM 313-314 ES
LMErgoMax	LM 313-314 XSI
LMErgoNorm	LM 313-314 SI

- Shorter blade and longer lower shank than in the Mini Sickle

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 17.

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Crane-Kaplan

LMErgoSense LM 322-323 ES
LMErgoMax LM 322-323 XSI
LMErgoNorm LM 322-323 SI

- Extremely strong, rigid, sharply angled blade
- For removal of heavy supragingival calculus



Mini Kaplan

LMErgoSense LM 333-334 ES
LMErgoMax LM 333-334 XSI
LMErgoNorm LM 333-334 SI

- Same angle but with a more delicate blade than in the Crane-Kaplan



Push Scaler H4-H5

LMErgoSense LM 144-145 ES
LMErgoMax LM 144-145 XSI
LMErgoNorm LM 144-145 SI

- The chisel-like working end used by pushing. The jacquette working end used by pulling.
- 90° working surface



Scaler H6-H7

LMErgoSense LM 146-147 ES
LMErgoMax LM 146-147 XSI
LMErgoNorm LM 146-147 SI

Clinical use

- For all tooth surfaces

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 17.



Laplander

LMErgoSense LM 148-149 ES
LMErgoMax LM 148-149 XSI

- Similar to H6-H7 but with a lateral bending
- Easy access to molar area and proximal surfaces

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UNIVERSAL CURETTES

Designed for the removal of moderate and heavy calculus from all supra- and subgingival tooth surfaces.

Instrumentation:

For calculus removal place one of the cutting edges of the universal curette against the tooth surface. Tilt the instrument toward the tooth to achieve 70° to 80° angle between the tooth and the blade. Apply lateral pressure and activate the curette by using vertical, diagonal or horizontal pull strokes. Both cutting edges of the same curette can be used by simply tilting the instrument one way or the other.



Design:

- Working end perpendicular to the lower shank
- Two cutting edges (red line)
- Rounded tip

Sharpening

Handle options:



LMErgoSense



LMErgoMax



LMErgoNorm

McCALL





Strong blade with rigid shank.

McCall 13S-14S

LMErgoSense LM 222-223 ES
LMErgoMax LM 222-223 XSI
LMErgoNorm LM 222-223 SI

- For incisors and premolars



Mini McCall 13S-14S

LMErgoSense LM 222-223M ES
LMErgoMax LM 222-223M XSI
LMErgoNorm LM 222-223M SI

Clinical use

- For deep, narrow pockets
- Sharper, slightly rounded tip (not sickle-shaped)



Curette LM 15-16

LMErgoSense LM 225-226 ES
LMErgoMax LM 225-226 XSI
LMErgoNorm LM 225-226 SI

- Alternative for the McCall 13S-14S
- For removal of heavy calculus



McCall 17-18

LMErgoSense LM 277-278 ES
LMErgoMax LM 277-278 XSI
LMErgoNorm LM 277-278 SI

- Especially for broad molar surfaces
- Strong, uniform-width working end



McCall 17S-18S

LMErgoSense LM 279-280 ES
LMErgoMax LM 279-280 XSI
LMErgoNorm LM 279-280 SI

- Excellent in tight interdental spaces
- More delicate blade, working end narrower than in 17-18

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LANGER

Langer curettes combine universal curette's working end with Gracey curette's shank angulation. Angulations ease access to difficult areas and both mesial and distal surfaces can be treated with the same instrument end.



Langer 1/2

LMErgoSense LM 281-282 ES
LMErgoMax LM 281-282 XSI
LMErgoNorm LM 281-282 SI

- For premolars and molars in the lower jaw



Langer 3/4

LMErgoSense LM 283-284 ES
LMErgoMax LM 283-284 XSI
LMErgoNorm LM 283-284 SI

- For premolars and molars in the upper jaw





Langer 5/6

LMErgoSense LM 285-286 ES
LMErgoMax LM 285-286 XSI
LMErgoNorm LM 285-286 SI

- For incisors in the upper and lower jaw

MINI LANGER

Mini Langers have longer shanks and shorter working ends than standard Langers. Useful in tight interdental spaces. Better access into tight deep pockets and furcations.





Mini Langer 1/2

LMErgoSense LM 281-282M ES
LMErgoMax LM 281-282M XSI
LMErgoNorm LM 281-282M SI

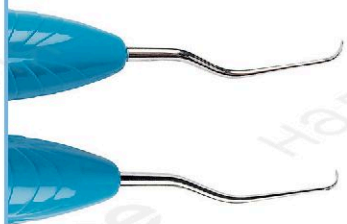
- For premolars and molars in the lower jaw



Mini Langer 3/4

LMErgoSense LM 283-284M ES
LMErgoMax LM 283-284M XSI
LMErgoNorm LM 283-284M SI

- For premolars and molars in the upper jaw





Mini Langer 5/6

LMErgoSense LM 285-286M ES
LMErgoMax LM 285-286M XSI
LMErgoNorm LM 285-286M SI

- For incisors in the upper and lower jaw

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GOLDMAN FOX



Goldman-Fox 3

LMErgoSense LM 233-234 ES
LMErgoMax LM 233-234 XSI
LMErgoNorm LM 233-234 SI

- For premolars and molars

COLUMBIA



Columbia 2L-2R

LMErgoSense LM 217-218 ES
LMErgoMax LM 217-218 XSI
LMErgoNorm LM 217-218 SI

- For incisors and premolars

Clinical use



Columbia 4L-4R

LMErgoSense LM 219-220 ES
LMErgoMax LM 219-220 XSI
LMErgoNorm LM 219-220 SI

- For incisors, canines and premolars
- For heavier calculus

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 17.

Clinical use



Columbia 13-14

LMErgoSense LM 237-238 ES
LMErgoMax LM 237-238 XSI
LMErgoNorm LM 237-238 SI

- For molars

BARNHART



Barnhart 5-6

LMErgoSense LM 227-228 ES
LMErgoMax LM 227-228 XSI

- For molars
- Shorter lower shank

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 17.

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LM INNOVATION

LMSyntette

Dual Gracey, a combination of universal curettes and finishing curettes Gracey 11/12 and Gracey 13/14, designed for the removal of supra- and subgingival calculus.

For both concave and convex surfaces. Distal and mesial surfaces of the same interdental space can be treated with the same instrument tip. Suitable for both vertical and horizontal techniques.



Clinical use

Design:

- Two elliptical cutting edges
- Rounded toe

In the late 70-ties Swedish dentist Leif Ericsson, the Head of the Periodontological Department in Västervik Hospital, was challenged with the complexity and the amount of instruments there were available for the periodontal specialists.

Read story of LM-Syntette, the original dual Gracey at www.lm-dental.com/lm-syntette





LM-Syntette

LMErgoSense	LM 215-216 ES
LMErgoMax	LM 215-216 XSI
LMErgoNorm	LM 215-216 SI

- For all tooth surfaces

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 18.

Mini Syntette

LMErgoSense	LM 215-216M ES
LMErgoMax	LM 215-216M XSI
LMErgoNorm	LM 215-216M SI

- Excellent in tight, deep pockets
- Particularly well adapted for use on premolars' and incisors' palatinal and lingual surfaces

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 18.

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DIAMOND FILES

Diamond coated files are designed for cleaning deep concave root surfaces in anatomically difficult areas.

Can be used with multidirectional strokes.





Concavity Diamond File SV 5-6

LMErgoSense LM 255-256D ES
LMErgoMax LM 255-256D XSI
LMErgoNorm LM 255-256D SI

- Diamond coated round curved toe
- For acute furcation lesions





Diamond File mes-dist

LMErgoSense LM 263-264D ES
LMErgoMax LM 263-264D XSI

- Extremely delicate diamond coated instrument for definitive scaling of the root surface
- Easy access with a fine, flexible blade in mesial-distal line angles and developmental grooves





Furcation Diamond File SV 7-8

LMErgoSense LM 257-258D ES
LMErgoMax LM 257-258D XSI
LMErgoNorm LM 257-258D SI

- Diamond coated egg-shaped toe
- For deep furcation lesions

Clinical use





Furcation Diamond File

LMErgoSense LM 261-262D ES
LMErgoMax LM 261-262D XSI

- Extremely delicate diamond coated instrument for definitive calculus removal in furcations and root depressions
- Easy access with a fine, flexible blade design

Handle options:



LMErgoSense



LMErgoMax



LMErgoNorm

FURCATION INSTRUMENT

Well-suited for the cleaning of the furcations of multi rooted teeth.





Furcator KS

LMErgoSense LM 259-260 ES
LMErgoMax LM 259-260 XSI

- Delicate, angled excavator
- Suitable also for the cleaning of narrow approximal concavities and grooves in incisors and premolars
- For cleaning of the furcation roof and inner surfaces, particularly concavations and grooves in them

Clinical use

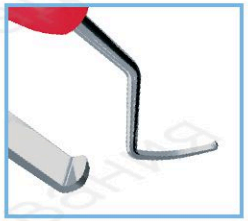
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HOE SCALERS

For the removal of supra- and subgingival calculus.

Suitable for deep, narrow pockets and concave root surfaces. For both vertical and horizontal techniques.



Design:

- Fine hoe-shaped blade with rounded corners
- Elliptical cutting edge

Sharpening



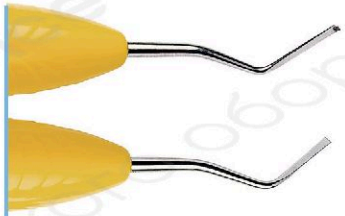


Hoe Scaler, anterior

LMErgoSense	LM 112-113 ES
LMErgoMax	LM 112-113 XSI
LMErgoNorm	LM 112-113 SI

- For the anterior labial and lingual surfaces
- Works well also with lower incisors that are orally inclined

Clinical use





Hoe Scaler, lateral

LMErgoSense	LM 134-135 ES
LMErgoMax	LM 134-135 XSI
LMErgoNorm	LM 134-135 SI

- For the buccal and lingual surfaces of all teeth
- Can also be used for furcations.

Clinical use





Hoe Scaler, posterior

LMErgoSense	LM 156-157 ES
LMErgoMax	LM 156-157 XSI
LMErgoNorm	LM 156-157 SI

- For the mesial and distal surfaces of molars
- Can also be used for furcations

Clinical use

LM-ERGOHOLD 3 SURGICAL HANDLE



LM-ErgoHold 3

LMErgoHold	LM 9003

- Excellent grip with elastic silicone coating
- Precise blade control
- Controlled rotation
- Blade position responsiveness maintained
- Controlled movement through tissue
- Fits all blades with fitment No. 3 (blades 10, 10A, 11, 11K, 11P, 12, 12D, 15, 15C and 15S)

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GRACEY FINISHING CURETTES

Area specific curettes for the removal of deep subgingival calculus. For the finishing of subgingival root surfaces.

Instrumentation:

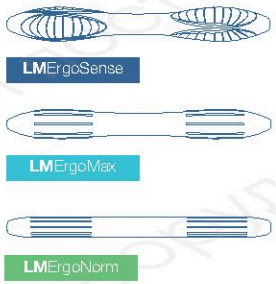
Place the tip third or half of the cutting edge of a Gracey curette against the tooth surface. (The larger outer curve is always the cutting edge.) Make sure that the lower shank is parallel with the tooth surface. For calculus removal apply moderate and for root planing light lateral pressure and activate the curette by using vertical, diagonal or horizontal pull strokes.



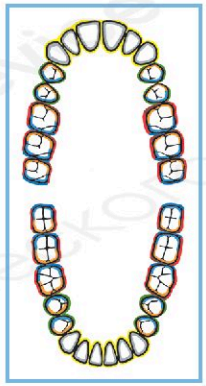
Design:

- Working surface inclined 20° to the lower shank
- One curved cutting edge (red line)
- Rounded cutting tip

Handle options:



Sharpening



Area specific indications for Gracey curettes:

Incisors

All surfaces



Gracey 1/2

Gracey 5/6

Gracey 3/4

Premolars and molars

Buccal-lingual



Gracey 7/8

Gracey 9/10

Mesial

Gracey 11/12

Gracey 15/16

Distal



Gracey 13/14

Gracey 17/18

STANDARD AND MINI GRACEY

Mini Gracey has longer lower shank and smaller working end than in the standard model. Functions well in deep narrow pockets.





Gracey 1/2

LMErgoSense	LM 201-202 ES
LMErgoMax	LM 201-202 XSI
LMErgoNorm	LM 201-202 SI

- For incisors and premolars

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 18.

Mini Gracey 1/2

LMErgoSense	LM 201-202M ES
LMErgoMax	LM 201-202M XSI
LMErgoNorm	LM 201-202M SI



Gracey 3/4

LMErgoSense	LM 203-204 ES
LMErgoMax	LM 203-204 XSI
LMErgoNorm	LM 203-204 SI

- For incisors and premolars



Gracey P3-P4

LMErgoSense	LM 266-267 ES
LMErgoMax	LM 266-267 XSI
LMErgoNorm	LM 266-267 SI

- Short shank makes the instrument more rigid

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Gracey 5/6

LMErgoSense LM 205-206 ES
LMErgoMax LM 205-206 XSI
LMErgoNorm LM 205-206 SI

- For incisors and premolars
- Especially useful in proximal surfaces





Gracey 9/10

LMErgoSense LM 209-210 ES
LMErgoMax LM 209-210 XSI
LMErgoNorm LM 209-210 SI

- For molars' buccal and lingual surfaces using horizontal technique

TOP FAVORITE





Gracey 11/12

LMErgoSense LM 211-212 ES
LMErgoMax LM 211-212 XSI
LMErgoNorm LM 211-212 SI

Clinical use

- For premolars' and molars' mesial surfaces



Mini Gracey 11/12

LMErgoSense LM 211-212M ES
LMErgoMax LM 211-212M XSI
LMErgoNorm LM 211-212M SI

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 18.





Gracey 7/8

LMErgoSense LM 207-208 ES
LMErgoMax LM 207-208 XSI
LMErgoNorm LM 207-208 SI

Clinical use

- For premolars and molars
- For buccal, mesial and lingual surfaces



Mini Gracey 7/8

LMErgoSense LM 207-208M ES
LMErgoMax LM 207-208M XSI
LMErgoNorm LM 207-208M SI

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 18.

TOP FAVORITE





Gracey 13/14

LMErgoSense LM 213-214 ES
LMErgoMax LM 213-214 XSI
LMErgoNorm LM 213-214 SI

Clinical use

- For premolars' and molars' distal surfaces



Mini Gracey 13/14

LMErgoSense LM 213-214M ES
LMErgoMax LM 213-214M XSI
LMErgoNorm LM 213-214M SI

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 19.

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Clinical use



Gracey 15/16

LMErgoSense LM 245-246 ES
LMErgoMax LM 245-246 XSI
LMErgoNorm LM 245-246 SI

- For molars' mesial surfaces
- Blade shank more sharply angulated than in Gracey 11/12 for better access



Mini Gracey 15/16

LMErgoSense LM 245-246M ES
LMErgoMax LM 245-246M XSI
LMErgoNorm LM 245-246M SI

- Blade shank more sharply angulated than in Mini Gracey 11/12 for better access

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 19.



Clinical use



Gracey 17/18

LMErgoSense LM 247-248 ES
LMErgoMax LM 247-248 XSI
LMErgoNorm LM 247-248 SI

- For molars' distal surfaces
- Blade shank more sharply angulated than in Gracey 13/14 for better access



Mini Gracey 17/18

LMErgoSense LM 247-248M ES
LMErgoMax LM 247-248M XSI
LMErgoNorm LM 247-248M SI

- Blade shank more sharply angulated than in Mini Gracey 13/14 for better access

Available also as Sharp Diamond coated sharpen free LM-ErgoSense instrument, see page 19.

MACRO GRACEY

Standard model's long working end combined with mini model's longer lower shank. Excellent reach interdentally in deep pockets.

Macro Gracey 5/6

LMErgoSense LM 205-206AF ES
LMErgoMax LM 205-206AF XSI
LMErgoNorm LM 205-206AF SI

- For incisors and premolars
- Especially useful in proximal surfaces

Macro Gracey 7/8

LMErgoSense LM 207-208AF ES
LMErgoMax LM 207-208AF XSI
LMErgoNorm LM 207-208AF SI

- For premolars and molars
- For buccal, mesial and lingual surfaces

Macro Gracey 11/12

LMErgoSense LM 211-212AF ES
LMErgoMax LM 211-212AF XSI
LMErgoNorm LM 211-212AF SI

- For premolars' and molars' mesial surfaces

Macro Gracey 13/14

LMErgoSense LM 213-214AF ES
LMErgoMax LM 213-214AF XSI
LMErgoNorm LM 213-214AF SI

- For premolars' and molars' distal surfaces

RIGID GRACEY

Blade shank thicker and more rigid, and working end slightly wider than in the standard model. Permits the use of greater pressure.

Rigid Gracey 1/2

LMErgoSense LM 201-202R ES
LMErgoMax LM 201-202R XSI
LMErgoNorm LM 201-202R SI

- For incisors and premolars

Rigid Gracey 7/8

LMErgoSense LM 207-208R ES
LMErgoMax LM 207-208R XSI
LMErgoNorm LM 207-208R SI

- For premolars and molars
- For buccal, mesial and lingual surfaces

Rigid Gracey 11/12

LMErgoSense LM 211-212R ES
LMErgoMax LM 211-212R XSI
LMErgoNorm LM 211-212R SI

- For premolars' and molars' mesial surfaces

Rigid Gracey 13/14

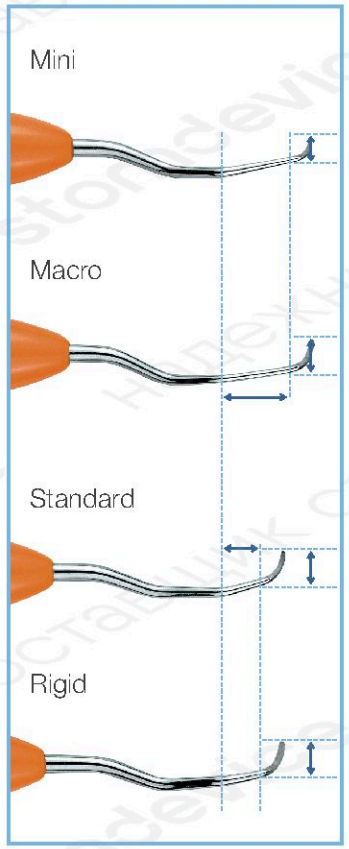
LMErgoSense LM 213-214R ES
LMErgoMax LM 213-214R XSI
LMErgoNorm LM 213-214R SI

- For premolars' and molars' distal surfaces

Rigid Gracey 15/16

LMErgoSense LM 245-246R ES
LMErgoMax LM 245-246R XSI
LMErgoNorm LM 245-246R SI

- For molars' mesial surfaces
- Blade shank more sharply angulated than in Gracey 11/12 for better access



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MESIAL-DISTAL GRACEY

Combining a mesial and a distal working end in one instrument. Useful when treating one quadrant at a time.



Gracey 11/14

- LMErgoSense LM 211-214 ES
- LMErgoMax LM 211-214 XSI
- LMErgoNorm LM 211-214 SI

Gracey 12/13

- LMErgoSense LM 212-213 ES
- LMErgoMax LM 212-213 XSI
- LMErgoNorm LM 212-213 SI

Gracey 15/18

- LMErgoSense LM 245-248 ES
- LMErgoMax LM 245-248 XSI
- LMErgoNorm LM 245-248 SI

Gracey 16/17

- LMErgoSense LM 246-247 ES
- LMErgoMax LM 246-247 XSI
- LMErgoNorm LM 246-247 SI

MINI MESIAL-DISTAL GRACEY

Mini models have longer lower shank and smaller working end than the standard model. Functions well in deep narrow pockets.

Mini Gracey 11/14

- LMErgoSense LM 211-214M ES
- LMErgoMax LM 211-214M XSI
- LMErgoNorm LM 211-214M SI

Mini Gracey 12/13

- LMErgoSense LM 212-213M ES
- LMErgoMax LM 212-213M XSI
- LMErgoNorm LM 212-213M SI

Mini Gracey 15/18

- LMErgoSense LM 245-248M ES
- LMErgoMax LM 245-248M XSI
- LMErgoNorm LM 245-248M SI

Mini Gracey 16/17

- LMErgoSense LM 246-247M ES
- LMErgoMax LM 246-247M XSI
- LMErgoNorm LM 246-247M SI

MACRO MESIAL-DISTAL GRACEY

Macro models have standard model's long working end combined with mini model's longer lower shank. Excellent reach interdentally in deep pockets.

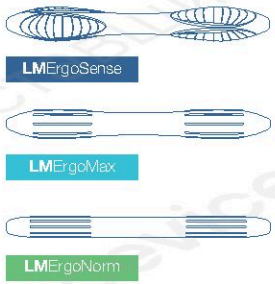
Macro Gracey 11/14

- LMErgoSense LM 211-214AF ES
- LMErgoMax LM 211-214AF XSI
- LMErgoNorm LM 211-214AF SI

Macro Gracey 12/13

- LMErgoSense LM 212-213AF ES
- LMErgoMax LM 212-213AF XSI
- LMErgoNorm LM 212-213AF SI

Handle options:



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EXCHANGEABLE TIPS

LM-ErgoMix

LM-ErgoMix hand instrument series offers the dental team a specially economical, ecological and ergonomic alternative. Whenever there is a need for a tip replacement the lock grip is opened, a new tip is inserted and the lock grip is closed again. No extra tools are needed.

Use LM-ErgoMix instruments in the normal way, clean and sterilize it like any other instrument. The sealed construction guarantees high level hygiene.

Benefits of retipping:

- Always sharp instruments
- Minimizes waste
- Enables personalized tip combinations.



Pat. Pend.

TITANIUM TIPS FOR IMPLANTS

A great instrument series for implant maintenance. The ErgoMix structure ensures excellent tactile sensitivity and optimal rigidity.



Tips are made of sensitive but still effective titanium, which will not harm the abutments.

Implant Mini Universal curette

LMErgoMix LM 283-284MTI EM

- Delicate working end
- Especially for tight interdental spaces



Implant Mini Gracey 1/2

LMErgoMix LM 201-202MTI EM

- For incisors and premolars



Implant Mini Gracey 11/12

LMErgoMix LM 211-212MTI EM

- For premolars' and molars' mesial surfaces



Implant Mini Gracey 13/14

LMErgoMix LM 213-214MTI EM

- For premolars' and molars' distal surfaces

LM-ERGOMIX SPARE PARTS

Spare handle	
LM-ErgoMix handle dark grey	LM 9011 EM
Spare lock grips	
Orange	LM 9020 EM
Light blue	LM 9021 EM
Grey	LM 9022 EM
Yellow	LM 9023 EM
Dark grey	LM 9024 EM
Red	LM 9025 EM
Spare titanium tips	
Implant Mini Universal Curettel L	LM 283MTI EM
Implant Mini Universal Curette R	LM 284MTI EM
Implant Mini Gracey 1	LM 201MTI EM
Implant Mini Gracey 2	LM 202MTI EM
Implant Mini Gracey 11	LM 211MTI EM
Implant Mini Gracey 12	LM 212MTI EM
Implant Mini Gracey 13	LM 213MTI EM
Implant Mini Gracey 14	LM 214MTI EM

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INSTRUMENT SETS







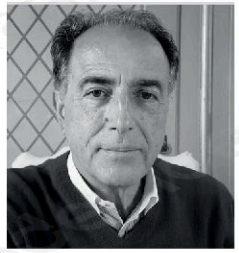
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STYLEITALIANO

> **"The LM-PerioKit by Style Italiano contains the essentials for the best possible therapy.**

Instruments have been selected in the spirit of Style Italiano whose philosophy is to make treatment feasible, teachable, repeatable. Periodontal therapy too can follow this approach. It's my feeling that, in the best interest of his patients, every practitioner should be able to properly execute non surgical therapy, crown lengthening procedures, free gingival grafts, simpler surgical root coverages."

Giano Ricci
MD. DDS. MScD.



LM-PerioSet 1

LMErgoSense LM 6652 ES
LMErgoMax LM 6652 XSI

Includes:
LM-Servo 5 cassette, Mini Sickle, Curette McCall 17-18, Gracey 1/2, Gracey 11/12, Gracey 13/14

LM-PerioSet 2

LMErgoSense LM 6682 ES
LMErgoMax LM 6682 XSI

Includes:
LM-Servo 8 cassette, Mini Sickle, Curette McCall 17-18, Gracey 1/2, Gracey 9/10, Gracey 11/12, Gracey 13/14, Mini Gracey 15/16, Mini Gracey 17/18

NEW

LM-PerioKit

LMErgoSense LM 6842 ES

Exclusively selected by Dr. Giano Ricci / Style Italiano

Includes:
Implant Mini Universal curette, Concavity File SV 5-6, Mini Gracey 13-14, Mini Gracey 11-12, Mini Gracey 7-8, McCall 17S-18S, North Carolina Probe, Furcation Probe, LM-Servo 8 cassette

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SPOON EXCAVATORS

For the removal of softened carious dentin and temporary fillings.

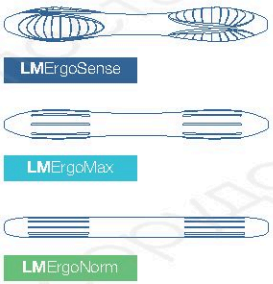


Design:

- Spoon-shaped working end
- Rounded tip
- Long cutting edge, which can easily treat broader areas



Handle options:



Spoon Excavator, 1.0 mm

- LMErgoSense LM 522-523 ES
- LMErgoMax LM 522-523 XSI
- LMErgoNorm LM 522-523 SI

Spoon Excavator, 1.5 mm

- LMErgoSense LM 533-534 ES
- LMErgoMax LM 533-534 XSI
- LMErgoNorm LM 533-534 SI

ROUND EXCAVATORS

Cariology:

- For the removal of softened, carious dentin
- For the removal of temporary fillings

Surgery:

- To sever the periodontal ligament prior to extraction
- For the removal of granulation tissue after extraction



Design:

- Round working end
- Curved cutting edge



Round Excavator, 1.0 mm

- LMErgoSense LM 61-62 ES
- LMErgoMax LM 61-62 XSI
- LMErgoNorm LM 61-62 SI



Round Excavator, 1.5 mm

- LMErgoSense LM 63-64 ES
- LMErgoMax LM 63-64 XSI
- LMErgoNorm LM 63-64 SI



Round Excavator, 2.0 mm

- LMErgoSense LM 65-66 ES
- LMErgoMax LM 65-66 XSI
- LMErgoNorm LM 65-66 SI

TRIPLE-ANGLED BACK ACTION EXCAVATORS

Cariology:

- For removing carious dentin
- For undermining enamel during tissue-saving preparations
- For the horizontal finishing of outer cavity margins

Periodontics:

- For the removal of calculus from hard to reach areas such as the lower anterior lingual surfaces
- For the depuration of concave root grooves and furcations

Surgery:

- For the removal of granulation tissue in connection with apical resections, flap operations, or extractions



Design:

- Round working end and curved cutting edge
- Shank angulations ease treatments on hard to reach buccal, distal, and lingual surfaces

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The blade shank is triple-angled, allowing for "back action" functions

Triple-angled Back Action Excavator, 1.0 mm

LMErgoSense LM 611-621 ES
LMErgoMax LM 611-621 XSI
LMErgoNorm LM 611-621 SI



Triple-angled Back Action Excavator, 1.5 mm

LMErgoSense LM 631-641 ES
LMErgoMax LM 631-641 XSI
LMErgoNorm LM 631-641 SI



Triple-angled Back Action Excavator, 2.0 mm

LMErgoSense LM 651-661 ES
LMErgoMax LM 651-661 XSI
LMErgoNorm LM 651-661 SI



Triple-angled Back Action Excavator, 3.5 mm

LMErgoSense LM 671-681 ES
LMErgoMax LM 671-681 XSI
LMErgoNorm LM 671-681 SI

- For the horizontal finishing of outer cavity margins

GINGIVAL MARGIN TRIMMERS

For finishing enamel margins in the proximal area as well as for making plastic, amalgam and ceramic fillings.



Gingival Margin Trimmer, 1.2 mm, distal

LMErgoSense LM 121-122 ES
LMErgoMax LM 121-122 XSI
LMErgoNorm LM 121-122 SI



Gingival Margin Trimmer, 1.2 mm, mesial

LMErgoSense LM 125-126 ES
LMErgoMax LM 125-126 XSI
LMErgoNorm LM 125-126 SI

SPATULA



Spatula

LMErgoSense LM 450-460 ES
LMErgoMax LM 450-460 XSI
LMErgoNorm LM 450-460 SI

CORD PACKERS

For packing retraction cord into the gingival pocket.





The bent blade enables getting around the tooth as well as the packing of the cord using vertical motions.



Cord Packer, 2.0 mm

LMErgoSense LM 490-491 ES
LMErgoMax LM 490-491 XSI
LMErgoNorm LM 490-491 SI



Cord Packer, 2.6 mm

LMErgoSense LM 492-493 ES
LMErgoMax LM 492-493 XSI
LMErgoNorm LM 492-493 SI

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BASE CARRIERS

For carrying base or thin liner to dentin surfaces.



Base Carrier, rigid

LMErgoSense LM 29H-30H ES
LMErgoMax LM 29H-30H XSI
LMErgoNorm LM 29H-30H SI



Base Carrier - Condenser, malleable tip

LMErgoSense LM 30-34 ES
LMErgoMax LM 30-34 XSI
LMErgoNorm LM 30-34 SI

- Tip (30) can be bent into the desired form, allowing for easier access to hard to reach areas



Base Carrier - Condenser, rigid

LMErgoSense LM 30H-34 ES
LMErgoMax LM 30H-34 XSI
LMErgoNorm LM 30H-34 SI

PLUGGERS

For packing all types of filling materials.



Plugger, cylindrical, 1.0-1.5 mm

LMErgoSense LM 340-360 ES
LMErgoMax LM 340-360 XSI
LMErgoNorm LM 340-360 SI



Plugger, cylindrical, 1.2-2.0 mm

LMErgoSense LM 350-380 ES
LMErgoMax LM 350-380 XSI
LMErgoNorm LM 350-380 SI



Plugger, cylindrical, 1.8-2.5 mm

LMErgoSense LM 370-390 ES
LMErgoMax LM 370-390 XSI
LMErgoNorm LM 370-390 SI

BURNISHERS

For burnishing, modelling and finishing of fillings.



Burnisher

LMErgoSense LM 31-32 ES
LMErgoMax LM 31-32 XSI
LMErgoNorm LM 31-32 SI

- For burnishing fillings at cavity margins
- For packing and shaping of composite fillings
- For packing ofi inlay-/onlay fillings



Burnisher - Plugger, ball-ended, 1.5-2.5 mm

LMErgoSense LM 471-473 ES
LMErgoMax LM 471-473 XSI
LMErgoNorm LM 471-473 SI

- For plugging filling into cavity
- For polishing
- For plugging and shaping of composite fillings



Burnisher 27-29

LMErgoSense LM 476-477 ES
LMErgoMax LM 476-477 XSI
LMErgoNorm LM 476-477 SI

- For shaping of occlusal surfaces
- For burnishing of fillings at cavity margins



Burnisher 21

LMErgoSense LM 372-373 ES
LMErgoMax LM 372-373 XSI
LMErgoNorm LM 372-373 SI

- For shaping and packing of composite fillings
- For shaping of occlusal surfaces before hardening
- Pits, grooves, lateral ridges

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Clinical use of LM-Arte instruments

STYLEITALIANO SHADE GUIDES

LM-Arte is a set of innovative instruments for aesthetic restorations and designed especially for composite layering. Each instrument is color-coded and named by its main function to enable easy, efficient and quick restorative treatments.

LM-Arte instruments have been developed in co-operation with Style Italiano, a study group of passionate clinicians and researchers specialized in aesthetic restorative dentistry.



Style Italiano

Founders of Style Italiano, Walter Devoto DDS and Angelo Putignano MD, DDS.



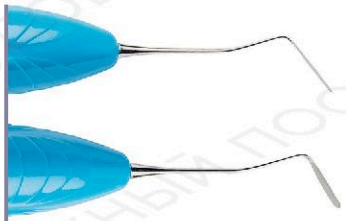
LM-Arte Applica

LMErgoSense LM 46-49 ES
LMErgoMax LM 46-49 XSI

- A very thin and flexible spatula for transporting and modeling of the composite

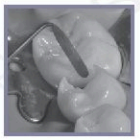


LM-Arte Applica Twist

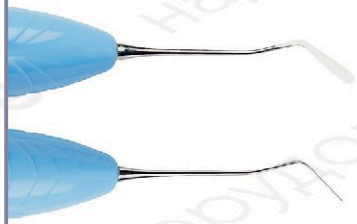


LMErgoSense LM 464-494 ES
LMErgoMax LM 464-494 XSI

- Thin and narrow spatula with bended angles for modeling difficult to reach areas such as approximal walls or the marginal ridge in matrix

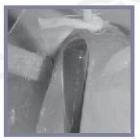


LM-Arte Modella



LMErgoSense LM 442-443 ES
LMErgoMax LM 442-443 XSI

- A very thin and flexible spatula for transporting and modeling of the composite



LM-Arte Condensa

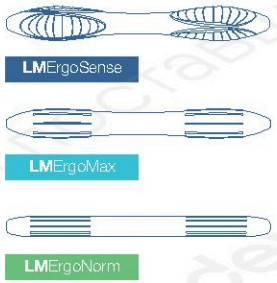


LMErgoSense LM 488-489 ES
LMErgoMax LM 488-489 XSI

- A long and round plugger especially for modeling composite



Handle options:



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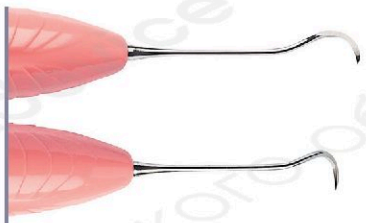


LM-Arte Fissura

LMErgoSense LM 481-487 ES
LMErgoMax LM 481-487 XSI

- Sharp pointed tips for modeling of occlusal surface structures





LM-Arte Eccesso

LMErgoSense LM 307-308 ES
LMErgoMax LM 307-308 XSI

- For the removal of composite and bonding residue



NEW



LM-Arte Misura

LMErgoSense LM 496-497 ES
LMErgoMax LM 496-497 XSI

- For horizontal and vertical measuring of thickness (not plural) of composite layers on the restorations





LM-Arte Posterior Misura

LMErgoSense LM 498-499 ES
LMErgoMax LM 498-499 XSI

- For horizontal and vertical measuring of thickness of composite layers on the posterior restorations
- The fork shaped tip allows measuring and modeling of the composite wall with the presence of a matrix





LM-Arte Set

LMErgoSense LM 6840 ES
LMErgoMax LM 6840 XSI

Includes:
LM-Arte Applica, LM-Arte Condensa, LM-Arte Fissura, LM-Arte Misura, LM-Arte Eccesso, LM-Servo 5 cassette

LM-GENGIVA



Gingival retracting kit

LMErgoSense LM 7556K ES
LMErgoMax LM 7556K XSI

Includes products:

LM-Gengiva / LM-MultiHolder PK III hand instrument
- See more on page 44

LM-Gingival Retractors (blue)
- For establishing optimum working conditions for procedures at the gum line.
- Assortment package of three sizes (ca 90 pieces, 30 pcs/size):
  - S for incisors
  - M for premolars
  - XL for molars
- See more on page 45

LM-MultiLever
- For the removal of disposable gingival retractors

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RESTORATION
– DARK DIAMOND COATED INSTRUMENTS

LM-ErgoSense Dark Diamond instruments with non-stick coating for easy placing and contouring of composite resins. The diamond like coating reduces the stickiness and allows for pleasant and precise restorative instrumentation.

Dark Diamond features:

- Exclusive diamond like coating
- Hard surface
- Smooth surface
- Dark color coating
- LM-ErgoSense handle

Benefits:

- Non-stick placement and sculpting of the composite resin
- Not sensitive to scratches
- Easy to clean
- Maximum contrast against the filling & minimal reflections
- Extreme precision and feel

Dark Diamond instruments can be cleaned and sterilized similarly to all other LM instruments.

Dark Diamond coating makes the surface of the tip extremely smooth and hard and allows for non-stick application and modeling of composite.



LMErgoSense
DARK DIAMOND



Burnisher

LMErgoSense LM 31-32DD ES

- Dark Diamond non-stick coating
- For packing and modeling composite

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NON-STICK COATING



Burnisher - Plugger, ball-ended, 1.5-2.5 mm

LMErgoSense LM 471-473DD ES

- Dark Diamond non-stick coating
- For modeling composite



Modeller MH

LMErgoSense LM 708-709DD ES

- Dark Diamond non-stick coating
- For packing large approximal fillings
- Cylinder shaped working end will not get stuck into the composite while light curing



Modeller MH Mini

LMErgoSense LM 707-708DD ES

- Dark Diamond non-stick coating
- For packing small and medium approximal fillings
- Cylinder shaped working end will not get stuck into the composite while light curing



Packer-Modeller IO

LMErgoSense LM 482-483DD ES

- Dark Diamond non-stick coating
- For packing and modeling composite
- Conical working ends optimal for shaping occlusal surfaces



Plastic instrument, anterior

LMErgoSense LM 43-47DD ES

- Dark Diamond non-stick coating
- For placing, packing and contouring composite



Plastic instrument, posterior

LMErgoSense LM 48-702DD ES

- Dark Diamond non-stick coating
- For placing, packing and contouring composite



Mini Spatula

LMErgoSense LM 444-445DD ES

- Dark Diamond non-stick coating
- For placing and contouring composite

Handle options:



LMErgoSense



LMErgoMax



LMErgoNorm

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FOR COMPOSITES



Flow Instrument IO

LMErgoSense LM 484-485 ES
LMErgoMax LM 484-485 XSI

- For easy handling and shaping of flowable composites



Modeller MH

LMErgoSense LM 708-709 ES
LMErgoMax LM 708-709 XSI

- For packing large, approximal fillings in several layers
- Cylinder shaped working ends won't get stuck into the composite while light curing
- For pressing the matrix band in place while curing



Modeller MH Mini

LMErgoSense LM 707-708 ES
LMErgoMax LM 707-708 XSI

- For packing small or medium approximal fillings in several layers
- Cylinder shaped working ends won't get stuck into the composite while light curing
- For pressing the matrix band in place while curing



Packer-Modeller IO p

LMErgoSense LM 482-702 ES
LMErgoMax LM 482-702 XSI
LMErgoNorm LM 482-702 SI

- Combination instrument for premolars



Packer-Modeller IO

LMErgoSense LM 482-483 ES
LMErgoMax LM 482-483 XSI
LMErgoNorm LM 482-483 SI

- Conical working ends, which are exceptionally well-suited e.g. to shaping of occlusal surfaces and to packing of all kinds of plastics
- Composites do not stick to the highly polished blades







Packer-Modeller IO m

LMErgoSense LM 483-703 ES
LMErgoMax LM 483-703 XSI
LMErgoNorm LM 483-703 SI

- Combination instrument for molars



Plastic Instrument, anterior

LMErgoSense LM 43-47 ES
LMErgoMax LM 43-47 XSI
LMErgoNorm LM 43-47 SI

- For placing, packing and contouring composite



Plastic Instrument, posterior

LMErgoSense LM 48-702 ES
LMErgoMax LM 48-702 XSI
LMErgoNorm LM 48-702 SI

- For placing, packing and contouring composite



Form Condenser, 1.5-2.5 mm

LMErgoSense LM 702-703 ES
LMErgoMax LM 702-703 XSI
LMErgoNorm LM 702-703 SI

- For shaping and packing of large filling surfaces



Composite Spatula 6

LMErgoSense LM 446-447 ES
LMErgoMax LM 446-447 XSI
LMErgoNorm LM 446-447 SI

- For placing and contouring composite



Mini Spatula

LMErgoSense LM 444-445 ES
LMErgoMax LM 444-445 XSI
LMErgoNorm LM 444-445 SI

- For placing and contouring composite

CARVERS

For shaping of filling material to fit the anatomy of tooth, and for removal of soft excess.



1/2 Hollenback

LMErgoSense LM 741-751 ES
LMErgoMax LM 741-751 XSI
LMErgoNorm LM 741-751 SI

- For proximal and cervical surfaces



Nyström I

LMErgoSense LM 74-75 ES
LMErgoMax LM 74-75 XSI
LMErgoNorm LM 74-75 SI

- For proximal and occlusal surfaces



Nyström III

LMErgoSense LM 76-77 ES
LMErgoMax LM 76-77 XSI
LMErgoNorm LM 76-77 SI

- For interdental spces, contact surfaces

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Maehlum

LMErgoSense LM 71-73 ES
LMErgoMax LM 71-73 XSI
LMErgoNorm LM 71-73 SI

- For removal of soft excess from gingival margins (71)
- For anatomical shaping of occlusal surfaces (73)



Universal Carver, occlusal-proximal

LMErgoSense LM 71-72 ES
LMErgoMax LM 71-72 XSI
LMErgoNorm LM 71-72 SI

- For removal of soft excess from gingival margins (71)
- For anatomical shaping of occlusal surfaces (72)



Cleoid-Discoid

LMErgoSense LM 731-732 ES
LMErgoMax LM 731-732 XSI
LMErgoNorm LM 731-732 SI

- For anatomical shaping of occlusal surfaces of small fillings

EXCESS SCALERS



Excess Scaler

LMErgoSense LM 785-795 ES
LMErgoMax LM 785-795 XSI
LMErgoNorm LM 785-795 SI

- For the removal of adhesive, cement, and composite excesses



Mini Excess Scaler

LMErgoSense LM 784-794 ES
LMErgoMax LM 784-794 XSI
LMErgoNorm LM 784-794 SI

- An effective excess remover in extremely tight interdental spaces

FILLING REMOVER



Filling Remover

LMErgoSense LM 764-766 ES
LMErgoMax LM 764-766 XSI
LMErgoNorm LM 764-766 SI

- For the removal of temporary fillings and crowns
- For bridge removal during fitting

CROWN OFF



A groove is first burred from the lower edge of the crown up to the occlusal surface. The groove should be so deep that it reaches the cement. The Crown Off working end is placed longitudinally into the groove and turned as if spreading the groove. The blade is turned until the crown loosens and lifts up. The blade stays firmly in the groove and it is easy to control even when lot of force is used.



Crown Off

LMErgoSense LM 767-768 ES
LMErgoMax LM 767-768 XSI

- Blade double angled with a 45° twist
- Can be used for all types of levering and removing in the mouth

INSTRUMENT SET



LM-CompoSet

LMErgoSense LM 6657 ES
LMErgoMax LM 6657 XSI

Includes:
LM-Servo 5 cassette, Mini Spatula, Plastic instrument, ant., Form Condenser, Packer-Modeller IO, Mini Excess Scaler

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LM-CELLO STRIPHOLDER

Prophylactics:

- The removal of calculus from contact areas
- Preparation for flossing and toothpick use
- When finishing proximal surfaces, the strip can serve as a toothpaste applicator

Restoration:

- The finishing of proximal and contact surfaces
- Preparation for both rubber dam and matrix techniques

Esthetic and prosthetic care:

- The finishing of cement seams on laminates, cast fillings, and crowns

Orthodontics:

- Enamel stripping



Patented

LM-Cello stripholder

LM 2010 C

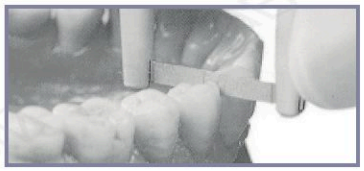
- Includes a sample for each strip (6 pcs).

Strip selection

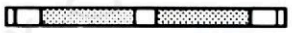
package 50 pcs, coarseness 60µm

- Use the LM code rings to mark pre-fitted strips for mesial (orange) or distal (blue) surfaces.







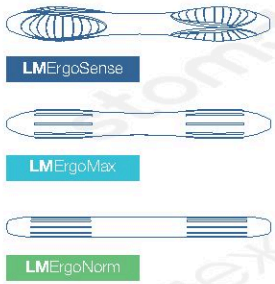
Strips with blanks	Strips without blanks
- The smooth part of the strip is used when the contact is exceptionally tight	
	
LM 5502 - One-sided, width 2 mm, thickness 0,12 mm	LM 5512 - One-sided, width 2 mm, thickness 0,12 mm
	
LM 5503 - One-sided, width 3 mm, thickness 0,12 mm	LM 5513 - One-sided, width 3 mm, thickness 0,12 mm
	
LM 5503D - Double-sided, width 3 mm, thickness 0,18 mm	LM 5513D - Double-sided, width 3 mm, thickness 0,18 mm

LM-MULTIHOLDER SYSTEM

LM-MultiHolder instruments and different kinds of replaceable plastic working ends – a real multi-function instrument!

- Angle options allow for easy access to even the more complex areas
- Optimal combination of steel and plastic – the steel shank is rigid and only the working end will flex, when required

Handle options:





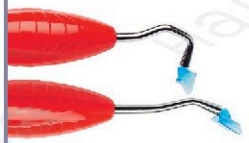
LM-MultiHolder PK I

LMErgoSense	LM 750-756 ES
LMErgoMax	LM 750-756 XSI
LMErgoNorm	LM 750-756 SI



LM-MultiHolder PK II

LMErgoSense	LM 752-754 ES
LMErgoMax	LM 752-754 XSI
LMErgoNorm	LM 752-754 SI



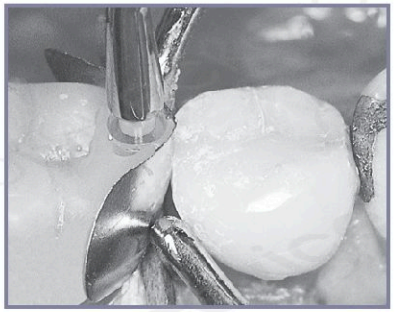
LM-MultiHolder PK III

LMErgoSense	LM 752-756 ES
LMErgoMax	LM 752-756 XSI

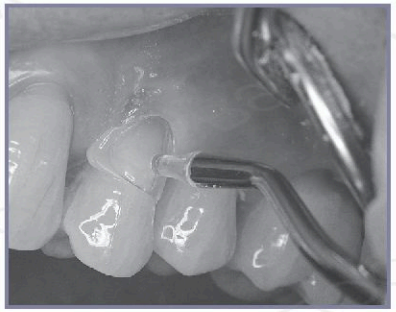
- Part of the Gengiva concept by Style Italiano, see page 39

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WORKING ENDS FOR LM-MULTIHOLDER

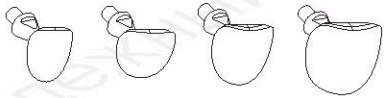










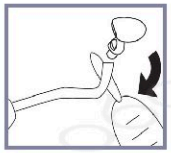




LM-MultiLever

LM 7550

- For the removal of plastic working end



LM-Contact Formers

Transparent tip for making correctly formed and tight approximal contact.

- Suitable for use with all matrices
- Will not stick to composite fillings
- Disposable

Four sizes corresponding to the size of the cavity, circa 60 pcs / package

LM 7622	XS
LM 7624	S
LM 7626	M
LM 7628	L
LM 7620	Assortment package circa 120 pcs (30 pcs / size)

LM-Gingival Retractors (blue)

For establishing optimum working conditions for procedures at the gum line.

- Disposable

Three sizes, circa 60 pcs / package

LM 7502	S for incisors
LM 7504	M for premolars
LM 7506	XL for molars
LM 7500	Assortment package circa 90 pcs (30 pcs / size)

LM-Cervical Matrices

For making anatomically correct fillings at the gum line.

- Protects from moisture
- Prevents air bubbles
- Disposable

Four models for different size and shape, circa 60 pcs / package

LM 7602	for incisors
LM 7604	for canines and premolars
LM 7606	for small molars
LM 7608	for large molars
LM 7600	Assortment package circa 120 pcs (30 pcs / size)

LM-MultiHolder IntroKit

Introkit contains LM-MultiHolder instruments PK I and PK II (XSI or ES), MultiLever and samples of all available working ends.

There are a total of 44 working ends, 4 for each size of each working end.

LM 7555K ES
LM 7555K XSI

- You may order LM-MultiHolder IntroKit sample package also separately: LM 7555

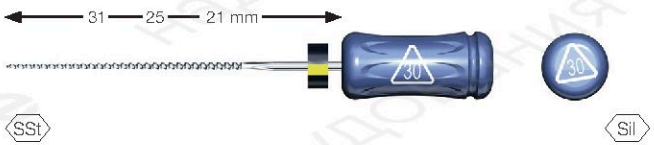
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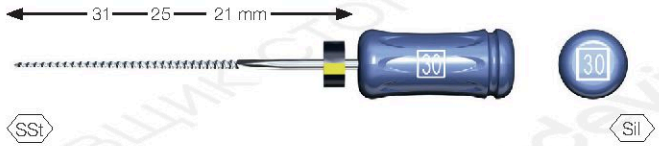
LM-ENDOMAX

LM's endodontic hand files with large handles are supreme in ergonomics.

Soft and thick silicone handle improves the grip and makes filing and rotating more comfortable. LM-EndoMax files and reamers adhere to the contour of the canal, cleaning all surfaces evenly and effectively.

- Improved tactile sensitivity
- Greater working comfort
- Improved torque and force transmission
- Visible identification labels
- Color coding according to ISO specifications





LM-EndoMax Reamers

LM-Reamers have loosely twisted and flexible triangular cross-section instrument blades. The instrument is primarily designed for the apical preparation of straight canals, which is why the blade can also be used for cutting. For this instrument, a rotating preparation motion is the most effective.

	Lenght ø ISO	21 mm Code	25 mm Code	31 mm Code	Individual packages (pcs/pack.)
	008	300821	300825	300831	6
	010	301021	301025		6
	015	301521	301525		6
	020	302021	302025	302031	6
	025	302521	302525	302531	6
	030	303021	303025	303031	6
	035	303521	303525	303531	6
	040	304021	304025	304031	6
	045	304521	304525	304531	6
	050	305021	305025	305031	6
	055	305521	305525	305531	6
	060	306021	306025	306031	6
	070	307021	307025	307031	6
	080	308021	308025	308031	6
	015-040	3015-04021	3015-04025	3015-04031	6*
	045-080	3045-08021	3045-08025	3045-08031	6**

*Assortment 015-040 includes: 015, 020, 025, 030, 035, 040
**Assortment 045-080 includes: 045, 050, 055, 060, 070, 080

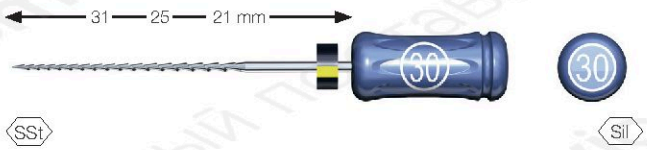
LM-EndoMax K-files

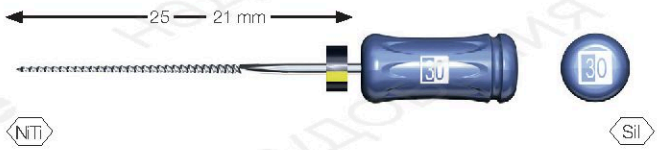
LM's K-Files have an extremely flexible triangular profile blade. The larger cutting angle enhances instrument use compared to a similar square profile instrument. Preparation waste can also be removed from the canal more easily, because there is more room in the instrument threads. The threads are tightly spaced and the tip is sharp, making the instrument ideally suited to the preparation of straight canals using filing and rotating motions. Small sizes (006 - 015) can also be used in preparation of curved canals. A short, back-and-forth preparation motion is most effective for the instrument.

	Lenght ø ISO	21 mm Code	25 mm Code	31 mm Code	Individual packages (pcs/pack.)
	006	200821	200825	200831	6
	008	200821	200825	200831	6
	010	201021	201025	201031	6
	015	201521	201525	201531	6
	020	202021	202025	202031	6
	025	202521	202525	202531	6
	030	203021	203025	203031	6
	035	203521	203525	203531	6
	040	204021	204025	204031	6
	045	204521	204525	204531	6
	050	205021	205025	205031	6
	055	205521	205525	205531	6
	060	206021	206025	206031	6
	070	207021	207025	207031	6
	080	208021	208025	208031	6
	015 - 040	2015-04021	2015-04025	2015-04031	6*
	045 - 080	2045-08021	2045-08025	2045-08031	6**

*Assortment 015-040 includes: 015, 020, 025, 030, 035, 040
**Assortment 045-080 includes: 045, 050, 055, 060, 070, 080

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LM-EndoMax Hedstroems

The blade on LM-Hedstroem files is milled instead of twisted like on other root canal instruments. Especially well suited to procedures where space is made for the root canal orifice (coronal flare). Hedstroem files are only intended for use with filing, back-and-forth preparation motions.

	Lenght ø ISO	21 mm Code	25 mm Code	31 mm Code	Individual packages (pcs/pack.)
	008	400821	400825		6
	010	401021	401025	401031	6
	015	401521	401525	401531	6
	020	402021	402025	402031	6
	025	402521	402525	402531	6
	030	403021	403025	403031	6
	035	403521	403525	403531	6
	040	404021	404025	404031	6
	045	404521	404525	404531	6
	050	405021	405025	405031	6
	055	405521	405525	405531	6
	060	406021	406025	406031	6
	070	407021	407025	407031	6
	080	408021	408025	408031	6
	015 - 040	4015-04021	4015-04025	4015-04031	6*
	045 - 080	4045-08021	4045-08025	4045-08031	6**

*Assortiment 015-040 includes: 015, 020, 025, 030, 035, 040
**Assortiment 045-080 includes: 045, 050, 055, 060, 070, 080

LM-EndoMax NiTi Files

The material used for NiTi files differs from that used for K-files, whereas the file form is the same on both. NiTi (Nickel-Titanium) is an elastic material, which will return to its original shape after bending or deformation. The instrument tip is not used for cutting, which makes LM NiTi instruments ideal for the preparation of curved canals. Both a filing and rotating preparation motion are suitable for these instruments.

	Lenght ø ISO	21 mm Code	25 mm Code	Individual packages (pcs/pack.)
	015	501521	501525	6
	020	502021	502025	6
	025	502521	502525	6
	030	503021	503025	6
	035	503521	503525	6
	040	504021	504025	6
	045	504521	504525	6
	050	505021	505025	6
	055	505521	505525	6
	060	506021	506025	6
	015-040	5015-04021	5015-04025	6*

*Assortiment 015-040 includes: 015, 020, 025, 030, 035, 040

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ROOT CANAL EXPLORER





The instrument's long, sharp tips facilitate the location and opening of root canals to provide access for proper preparation instruments.

Important! Only use the instruments for the purpose which they are intended!



Root Canal Explorer

- LMErgoSense LM 27-28 ES
- LMErgoMax LM 27-28 XSI
- LMErgoNorm LM 27-28 SI

Handle options:



LMErgoSense



LMErgoMax



LMErgoNorm

ROOT CANAL EXCAVATORS

Root canal excavators have longer lower shanks and sharper blade angles than round excavators.

- Extended and correctly angled shanks as well as highly effective blade angles allow for the preparation of all types of pulp cavities
- Effective for the cleaning of pulp chambers and location of root canals as well as the removal of temporary fillings



Root Canal Excavator, 1.0 mm

- LMErgoSense LM 612-622 ES
- LMErgoMax LM 612-622 XSI
- LMErgoNorm LM 612-622 SI



Root Canal Excavator, 1.5 mm

- LMErgoSense LM 632-642 ES
- LMErgoMax LM 632-642 XSI
- LMErgoNorm LM 632-642 SI



Root Canal Excavator, 2.0 mm

- LMErgoSense LM 652-662 ES
- LMErgoMax LM 652-662 XSI
- LMErgoNorm LM 652-662 SI

ENDO SPREADERS

For the compacting of root canal filling materials during lateral condensation.



Endo Spreader 0.4 mm

- LMErgoSense LM 24 ES
- LMErgoMax LM 24 XSI



Endo Spreader 0.23 mm

- LMErgoSense LM 22 ES
- LMErgoMax LM 22 XSI

ENDO PLUGGER

For the vertical plugging of root canal fillings.



Endo Plugger, 0.5 - 1.0 mm

- LMErgoSense LM 41-42 ES
- LMErgoMax LM 41-42 XSI
- LMErgoNorm LM 41-42 SI

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BEST PRODUCT

Extract with confidence & luxate atraumatically

Familiar LM ergonomics and tactile sensitivity also in extracting instruments

- Ergonomic design
  - comfortable to hold and easy to rotate
- Secure LM-ErgoTouch surface
  - light, non-slip grip
- Well-balanced
  - controlled grip
- Lightweight
  - less strain on the hands
- Clear color-coding
  - easy identification
- LM-DuraGradeMAX supersteel
  - strong and sharp blades
- Tight seam at blade juncture
  - hygienic

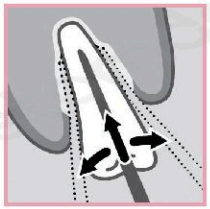
Evaluation

Best Product 2014,
Dental Product Shopper

LM-LIFTOUT

Luxating instruments for atraumatic extraction.

LM-LiftOut instruments allow tooth extraction to be done as atraumatically as possible. This is important in order to enable rapid healing and future implant placement. The thin tip of the instrument is introduced into the periodontal space and slowly advanced toward the apex of the root while twisting the instrument gently back and forth. LM-LiftOut is not suitable for use as an elevator.



STRAIGHT BLADE



LM-LiftOut S2
LM 812220



LM-LiftOut S3
LM 812230



LM-LiftOut S4
LM 812240



LM-LiftOut S5
LM 812250

CURVED BLADE



LM-LiftOut C3
LM 812430



LM-LiftOut C4
LM 812440



LM-LiftOut C5
LM 812450

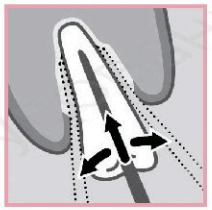
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LM-SLIMLIFT

Luxating instruments designed for extremely narrow places.

LM-SlimLift instruments are especially designed to reach places you cannot go with traditional luxating instruments. It allows tooth extraction to be done as atraumatically as possible. This is important in order to enable rapid healing. The extremely fine tip of the instrument is introduced into the very narrow periodontal space. The instrument is slowly advanced towards the apex of the root while turning the instrument gently back and forth. The LM-SlimLift is not suitable for use as an elevator.



STRAIGHT BLADE



LM-SlimLift S3
LM 812630



LM-SlimLift S4
LM 812640



LM-SlimLift S5
LM 812650



The extremely slim design of blade allows for the most atraumatic extractions.

CURVED BLADE



LM-SlimLift C3
LM 812830



LM-SlimLift C4
LM 812840



LM-SlimLift C5
LM 812850

MAINTENANCE



Cassette

LM 810001

LM extraction instruments are supplied in a convenient cassette that protects both the instrument and the handler during the maintenance cycle. The cassette keeps the instrument from puncturing the sterilization pouch, so sterility is more likely to be assured.

- The cassette can be color-coded
- The cassette is compatible with LM-ServoMax tray



Sharpening stone

LM 818002

Sharpen the extractors occasionally using the round sharpening stone as a simple and quick way to keep them in top condition and always ready to use.

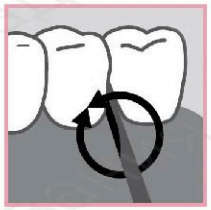
- Suitable for LM-SlimLift, LM-LiftOut, LM-TwistOut and LM-RootOut instruments

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LM-TWISTOUT

Elevators for forceful extraction.

LM-TwistOut instruments are suitable for tooth extraction in situations where strong force or torque must be applied.



STRAIGHT BLADE



LM-TwistOut S3
LM 814230



LM-TwistOut S4
LM 814240



LM-TwistOut S5
LM 814250

CURVED BLADE



LM-TwistOut C3
LM 814430



LM-TwistOut C4
LM 814440



LM-TwistOut C5
LM 814450

ROOT TIP INSTRUMENTS



Root Tip Pick

LMErgoSense LM 769-771 ES
LMErgoMax LM 769-771 XSI

- For the removal of root tip
- Suits well in all difficult to reach areas



LM-RootOut
LM 812210

- Designed for delicate root teasing procedures
- Not recommended for more substantial root tip removal
- Similar to Heidbrink root tip picks
- Ergonomically designed handle for a good grip

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Optimal implant insertion

Guiding for correct mesio-distal implant insertion

LM Implant Misura MR instruments help positioning the first spiral drill at a correct distance from the pillar i.e. implant or natural element adjacent to the implant and respecting the bone biology.

This results in correct amount of bone between the implant and the tooth, so that the bone crest remains stable over time. Once the biology is respected and the case is spaced correctly, a long lasting esthetic result is established.



Implant adjacement to a natural element



Implant adjacent to another implant in edentulous arch



LM Implant Misura MR by STYLEITALIANO

The instruments are designed by Marco Redemagni MD, DDS. Style Italiano is a study group of passionate clinicians and researchers specialized in aesthetic restorative dentistry.



"These instruments are really essential when it comes to positioning the first drill"

Marco Redemagni
MD, DDS

More information at www.styleitaliano.org and www.facebook.com/styleitaliano.

For more details and clinical information about LM Implant Misura MR, please scan the QR.





Markings on the tip facilitate checking bucco-lingual position of the implant drilling.



Choosing the correct size

The instruments are available in different diameters. Each instrument has a larger tip for insertion of adjacent implants and and a smaller tip for spacing an implant from a natural element.

Choose the right instrument size based on the implant diameter:

Instrument color	Initial drill Ø		Distance in mm	
	1.5 mm Implant Ø	2.0 mm Implant Ø	Tooth - Implant	Implant - Implant
Gray	3.4–3.5	4.0	3.0	5.0
Green	3.75	4.25	3.1	5.3
Yellow	4.0–4.1–4.15	4.6	3.3	5.6
Orange	4.3	4.8	3.4	5.8
Blue	4.8–4.85	5.35	3.7	6.3

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LM Implant Misura MR 3.0-5.0	LM Implant Misura MR 3.1-5.3	LM Implant Misura MR 3.3-5.6	LM Implant Misura MR 3.4-5.8	LM Implant Misura MR 3.7-6.3	LM Implant Misura MR Kit
LMErgoSense LM 400-401 ES	LMErgoSense LM 402-403 ES	LMErgoSense LM 404-405 ES	LMErgoSense LM 406-407 ES	LMErgoSense LM 408-409 ES	LMErgoSense LM 6843 ES
					Five LM Implant Misura MR instruments (3.0-5.0, 3.1-5.3, 3.3-5.6, 3.4-5.8, 3.7-6.3) and LM-Servo 5 instrument cassette

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LMActivator

LM-Activator aligns teeth, activates mandibular growth and expands the arch perimeter in mixed dentition.

Advantages

- Aligns and corrects sagittal and vertical relationships simultaneously.
- Anatomically designed slots for aligning individual teeth.
- Possibility to treat in mixed dentition:
  - Intercept interferences and early signs of malocclusions when the roots and ligaments are still developing
  - Support healthy growth and development of the face and jaw

Patient friendly

- Made of comfortable and flexible medical grade silicone.
- Biocompatible (ISO 10993 permanent contact). No coloring agents, PVC, phtalates, softeners, latex, bisphenol-A or fragrance agents.
- Simultaneous alignment, leveling and anteroposterior correction instead of separate stages.
- Myofunctional research show a correlation between malocclusions and orofacial dysfunctions.



OVERJET*



Before



After 1 year

DEEP BITE WITH PALATAL IMPINGEMENT*



Before



After 1 year

SINGLE TOOTH ANTERIOR CROSSBITE**



Before

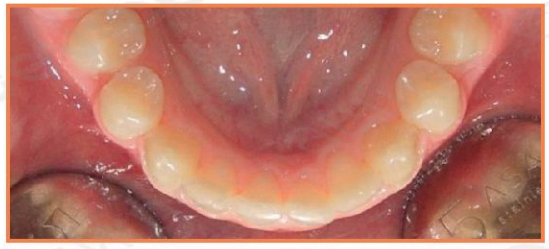


After 15 days

CROWDING***



Before



After 10 months

* Clinical pictures courtesy of Dr Rita Myrlund and Dr Mari Dubland, University of Tromsø, Norway. ** Pellegrino Gioacchino, Management of eruption problems with preformed silicone orthodontic devices Poster presented at: 21. Jahrestagung der Deutsche Gesellschaft für Kinderzahnheilkunde 25.09 - 27.09 2014; Freiburg, Germany *** Pellegrino Gioacchino, Deep bite correction with a preformed appliance, Poster with oral presentation presented at: 12th Congress of European Academy of Paediatric Dentistry; 5th - 8th June 2014; Sopot, Poland

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INDICATIONS

Recommended / Can be considered		Deciduous dentition	Early mixed dentition	Late mixed dentition	Early permanent dentition
Excess overjet, excess overbite, deep bite	Severe		■	▰	
	Moderate		■	■	▰
	Mild		■	■	■
Anterior crowding (incisors and canines)	Severe		▰	▰	
	Moderate		■	■	▰
	Mild		■	■	■
Dentoalveolar anterior crossbite of 1-2 teeth	Severe		■		
	Moderate		■		
	Mild		■		
Rotated anterior teeth	Severe		▰		
	Moderate		■	▰	
	Mild		■	■	▰
Class II	Severe		▰	▰	
	Moderate		■	■	
	Mild		■	■	
Scissorsbite / Complete mandibular posterior lingual crossbite (i.e. mandibular posterior teeth completely on the lingual side of the maxillary posterior teeth)	Severe	■			
	Moderate	■			
	Mild	■			
Gummy Smile (Treatment start before the eruption of permanent maxillary central incisors	Severe		■		
	Moderate		■		
	Mild		■		
Open bite (High-model of LM-Activator)	Severe		▰		
	Moderate		■	▰	
	Mild		■	■	

Contraindications:

- Skeletal Class III
- Midline discrepancy > 3mm*
- Very narrow upper arch*
- Palatally impacted teeth*
- Fully erupted anterior teeth that require torqueing*
- Teeth requiring intrusion

* May be treated with combination treatment (LM-Activator together with other appliances such as quad helix)

The treating doctor is solely responsible and liable for diagnosis, treatment, and evaluating whether treatment with LM-Activator, LM-Trainer or any other LM-Dental product is appropriate for a specific patient, and for the outcome of any treatment with LM-Activator, LM-Trainer or any other LM-Dental product. Product used, and use of products shall be determined solely by doctor and evaluated for use with each individual patient where appropriate. Please refer to manufacturer's Instructions for use.



"Our results showed distinct improvements in overjet, overbite, sagittal molar relationship, and crowding in the treated subjects."

Myrlund, Rita, et al. "One year treatment effects of the eruption guidance appliance in 7-to 8-year-old children: a randomized clinical trial." The European Journal of Orthodontics (2014): cju014. http://dx.doi.org/10.1093/ejo/cju014

"An advantage of the eruption guidance appliance is that it not only guides the eruption of the teeth but also simultaneously acts on the transversal, sagittal, and vertical relationships of both dental arches."

Keski-Nisula, Katri, et al. "Orthodontic intervention in the early mixed dentition: A prospective, controlled study on the effects of the eruption guidance appliance." American Journal of Orthodontics and Dentofacial Orthopedics 133.2 (2008): 254-260. http://dx.doi.org/10.1016/j.ajodo.2006.05.039

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LMActivator 2

New features: Incisal reinforcement for deep bite | Narrow and wide versions for different arch forms | Highest surface quality (A-1, SPI AR-106)



Reinforcement with hard incisal surfaces.





LM-Activator 2 Low Short

Model with a shorter molar section for patients whose second molars have not yet erupted. Delivered in a yellow box.

Size	Narrow	Narrow Reinforced	Wide	Wide Reinforced
35	94235LSN	94235LSNR	94235LSW	94235LSWR
40	94240LSN	94240LSNR	94240LSW	94240LSWR
45	94245LSN	94245LSNR	94245LSW	94245LSWR
50	94250LSN	94250LSNR	94250LSW	94250LSWR
55	94255LSN	94255LSNR	94255LSW	94255LSWR
60	94260LSN	94260LSNR	94260LSW	94260LSWR
65	94265LSN	94265LSNR	94265LSW	94265LSWR
70	94270LSN	94270LSNR	94270LSW	94270LSWR





LM-Activator 2 Low Long

Model with a longer molar section for patients whose second molars have erupted. Delivered in a blue box.

Size	Narrow	Narrow Reinforced	Wide	Wide Reinforced
35	94235LLN	94235LLNR	94235LLW	94235LLWR
40	94240LLN	94240LLNR	94240LLW	94240LLWR
45	94245LLN	94245LLNR	94245LLW	94245LLWR
50	94250LLN	94250LLNR	94250LLW	94250LLWR
55	94255LLN	94255LLNR	94255LLW	94255LLWR
60	94260LLN	94260LLNR	94260LLW	94260LLWR
65	94265LLN	94265LLNR	94265LLW	94265LLWR
70	94270LLN	94270LLNR	94270LLW	94270LLWR





LM-Activator 2 High Short

Model with a shorter molar section for patients whose second molars have not yet erupted. Delivered in an orange box. The High-model of LM-Activator is thicker in the region of second premolars and molars. It is specifically designed for treating skeletal and dentoalveolar open bite cases.

Size	Narrow	Narrow Reinforced	Wide	Wide Reinforced
35	94235HSN	94235HSNR	94235HSW	94235HSWR
40	94240HSN	94240HSNR	94240HSW	94240HSWR
45	94245HSN	94245HSNR	94245HSW	94245HSWR
50	94250HSN	94250HSNR	94250HSW	94250HSWR
55	94255HSN	94255HSNR	94255HSW	94255HSWR
60	94260HSN	94260HSNR	94260HSW	94260HSWR
65	94265HSN	94265HSNR	94265HSW	94265HSWR
70	94270HSN	94270HSNR	94270HSW	94270HSWR





LM-Activator 2 High Long

Model with a longer molar section for patients whose second molars have erupted. Delivered in a green box. The High-model of LM-Activator is thicker in the region of second premolars and molars. It is specifically designed for treating skeletal and dentoalveolar open bite cases.

Size	Narrow	Narrow Reinforced	Wide	Wide Reinforced
35	94235HLN	94235HLNR	94235HLW	94235HLWR
40	94240HLN	94240HLNR	94240HLW	94240HLWR
45	94245HLN	94245HLNR	94245HLW	94245HLWR
50	94250HLN	94250HLNR	94250HLW	94250HLWR
55	94255HLN	94255HLNR	94255HLW	94255HLWR
60	94260HLN	94260HLNR	94260HLW	94260HLWR
65	94265HLN	94265HLNR	94265HLW	94265HLWR
70	94270HLN	94270HLNR	94270HLW	94270HLWR

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LMActivator

Used by hundreds of thousands of patients around the world | Clinically and scientifically proven | Evidence from cohort controlled and RCT research results



LM-Activator Low Short

Model with a shorter molar section for patients whose second molars have not yet erupted. Delivered in a yellow box.

Size	Narrow
10	94010LS
15	94015LS
20	94020LS
25	94025LS
30	94030LS
35	94035LS
40	94040LS
45	94045LS
50	94050LS
55	94055LS
60	94060LS
65	94065LS
70	94070LS



LM-Activator Low Long

Model with a longer molar section for patients whose second molars have erupted. Delivered in a blue box.

Size	Narrow
40	94040L
45	94045L
50	94050L
55	94055L
60	94060L
65	94065L
70	94070L



LM-Activator High Short

Model with a shorter molar section for patients whose second molars have not yet erupted. Delivered in an orange box. The High-model of LM-Activator is thicker in the region of second premolars and molars. It is specifically designed for treating skeletal and dentoalveolar open bite cases.

Size	Narrow
20	94020HS
25	94025HS
30	94030HS
35	94035HS
40	94040HS
45	94045HS
50	94050HS
55	94055HS
60	94060HS
65	94065HS
70	94070HS



LM-Activator High Long

Model with a longer molar section for patients whose second molars have erupted. Delivered in a green box. The High-model of LM-Activator is thicker in the region of second premolars and molars. It is specifically designed for treating skeletal and dentoalveolar open bite cases.

Size	Narrow
45	94045H
50	94050H
55	94055H
60	94060H
65	94065H
70	94070H

LM-ACTIVATOR STARTER KIT

The Starter Kit contains everything necessary to get started with LM-Activator. All Starter Kits include LM-Activator in different sizes.



LM-Activator 2 Starter Kit
- Low Short Narrow
94500LSNR

LM-Activator 2 Starter Kit
- Low Short Wide
94500LSWR

LM-Activator 2 Starter Kit
- Low Long Narrow
94500LLNR

LM-Activator 2 Starter Kit
- Low Long Wide
94500LLWR

LM-Activator 2 Starter Kit
- High Short Narrow
94500HSNR

LM-Activator 2 Starter Kit
- High Short Wide
94500HSWR

LM-Activator 2 Starter Kit
- High Long Narrow
94500HLNR

LM-Activator 2 Starter Kit
- High Long Wide
94500HLWR

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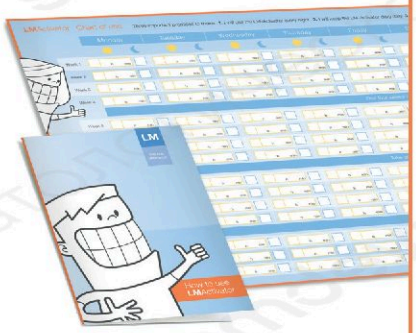
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LM-ACTIVATOR MOTIVATIONAL MATERIAL

Patient compliance is essential for successful treatment. The first month is crucial in adopting the habit to use the appliance (because creating a habit in general requires 3-4 weeks of regularity). To motivate the patient and his/her family, age appropriate material is available for both preadolescents and adolescents. It is important to make sure the patient and his/her family understands that irregular use may be equivalent with no treatment at all.



LM-Activator clinic marketing brochure
M1061EN



Instructions for patients in English
LM 94533 15 pcs



Reward cards
LM 94511 Skateboard 65 pcs
LM 94512 Football/Soccer 65 pcs
LM 94513 Bicycle 65 pcs
LM 94514 Horse and rider 65 pcs



Patient motivational material
LM 94531 poster & stickers 15 pcs

- A wall poster for tracking daytime and night-time use. It features a game-like progress path on which stickers are placed daily as recognition of successful use.

LM-ORTHOSIZER

LM-OrthoSizer is a measure for aiding the selection of the appropriate LM-Activator size. It can be used with or without its handle.

The measured size is indicative and LM-Activator should always be fitted to ensure the correct size.





LM-OrthoSizer
LM 9400 LM-OrthoSizer without handle
LM 942526 LM-OrthoSizer with handle (simple stem)
LM 942826 LM-OrthoSizer with handle (cone socket)

- Measures the distance across the upper incisors from the distal surface of the left lateral incisor to the distal surface of the right lateral incisor
- Orthosizer is also compatible with mirror handles:
  - LM 25 ES
  - LM 25 XSI
  - LM 25 SI
  - LM 28 ES
  - LM 28 XSI

NEW





LM-Activator 2 OrthoSizer
LM 9402 LM-Activator 2 OrthoSizer without a handle

- A further improved scale with measures for both mandible and maxilla.
- Measures the distance across the incisors from the distal surface of the left lateral incisor to the right lateral incisor both for the mandible and for the maxilla.

LMTrainer



LM-Trainer Medium
LM 94100T

- Slots for incisors and cuspids
- Lip bumber

NEW



LM-Trainer 2 M
LM 94100T2



LM-Trainer Small
LM 94100S

- Slots for incisors, lip bumper
- Smaller and softer than LM-Trainer Medium

NEW



LM-Trainer Braces 2 M
94100TB2M



LM-Trainer Braces
LM 94100TB

- Used in conjunction with brackets and wires
- Brings the mandible forward for Class II correction
- Prevents irritation and wounding of soft tissue
- Lip bumper

NEW



LM-Trainer Braces 2 S
94100TB2S

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Mirror Handle, ortho

LMErgoSense LM 25-26 ES
LMErgoMax LM 25-26 XSI
LMErgoSense LM 28-26 ES
LMErgoMax LM 28-26 XSI

- For measuring overjet and overbite
- Millimeter scale, total length 25 mm



Ligature On-Off SL

LMErgoSense LM 414-17CL ES
LMErgoMax LM 414-17CL XSI

- The explorer-like end (17CL) for both application and removal of ligatures. Ligatures can be lined up on the lower shank.
- The forked end (414) is particularly suitablefor guiding a ligature ring over e.g. the fourth wing of a bracket.



Plastic Ligature Applicator

LMErgoSense LM 416-417 ES
LMErgoMax LM 416-417 XSI
LMErgoNorm LM 416-417 SI

- For placement of orthodontic rubber ligatures



Arch Wire Tucker

LMErgoSense LM 412-413 ES
LMErgoMax LM 412-413 XSI

- For bending the end of an arch wire
- The flattened ball-ends have 1 mm holes, where the wire can easily be placed and turned.
- Long blade fits well even in tight places.



Ligature Tucker - Scaler U15

LMErgoSense LM 414-150 ES
LMErgoMax LM 414-150 XSI
LMErgoNorm LM 414-150 SI

- For tucking of ligatures and arch wires (414)
- For removing of cement excesses following the removal of orthodontic appliance (150)



Ligature Tucker

LMErgoSense LM 414-415 ES
LMErgoMax LM 414-415 XSI
LMErgoNorm LM 414-415 SI

- For tucking of ligatures and arch wires
- For placement of arch wire
- The forked end is particularly suitablefor guiding a ligature ring over e.g. the fourth wing of a bracket.

NEW



Ligature Director

LMErgoSense LM 411-415 ES
LMErgoMax LM 411-415 XSI

- For tucking ligatures and arch wires
- For placement of arch wire
- The forked end is particularly suitable for guiding a ligature ring over e.g. the fourth wing of a bracket. The forked end tip (411) is rotated 90° for more convenient & ergonomic use.

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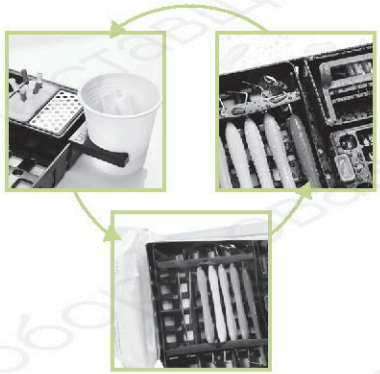
LM-SERVOMAX TRAY

LM-ServoMax – optimal work flow & rational maintenance.

LM-ServoMax tray system organises and rationalises the handling of dental instruments and accessories during the procedures and maintenance. It facilitates good infection control and saves time by reducing the handling of individual items. It also prolongs the life span of instruments and protects the personnel. Its versatile modules keep all instruments and accessories organised in a single tray. The system is adaptable to treatment specific and individual needs.



Rational maintenance with minimal handling



Clinical use

LM-SERVOMAX MODULES

- All modules have a universal design with standard dimensions and are not manufacturer specific. They are made of exceptionally durable special plastic which tolerate all common cleaning and sterilisation methods and agents (max 134 °C / 273 °F). Modules are sold empty.



LM-ServoMax tray set
LM 6410

- Includes: 1 set of universal trappers and 2 metal clips
- Dimensions: 288 x 185 x 29 mm



LM-ServoMax standard case
LM 6420



LM-ServoMax restoration / endo case
LM 6430



LM-ServoMax foam, 20 pcs
LM 6435

- For cleaning the endo files

LM-ServoMax ultrasonic tip case
LM 6460

- For six ultrasonic tips



LM-ServoMax universal trapper, 2 pcs
LM 6416



LM-ServoMax metal clips, 2 pcs
LM 6415

- For locking LM-Servo 5 or LM-Servo 8 instrument cassette on the tray



LM-ServoMax bur endofile case
LM 6450

- For eight burs and fourteen files
- Includes adjustment and measuring scales for files



LM-ServoMax syringe holder
LM 6495

- A stand attachable to the LM-ServoMax tray to place the anaesthetic syringe safely in the needle guard

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LM-ServoMax
waste cup holder
LM 6490



LM-ServoMax
instrument rack

- LM 6471 black
- LM 6472 orange
- LM 6473 blue
- LM 6474 red
- LM 6475 green

- Colour coded rails for attaching instruments to the LM-ServoMax tray
- Length adjustable according to the size of instruments
- Package 2 pcs / color

LM-SERVO CASSETTES

- In LM-Servo cassettes hand instruments are locked securely but rotate freely for optimal cleaning and guaranteed infection control. The cassettes can be coded with silicone code buttons and attached to the LM-ServoMax tray with metal clips (LM 6415).



LM-Servo 5
LM 6650

- For five instruments
- Dimensions: 180 x 86 x 28 mm



LM-Servo 8
LM 6680

- For eight instruments
- Dimensions: 180 x 136 x 28 mm

LM-SERVO E CASSETTES

- The LM-Servo evolution series is designed to improve safety and traceability. The cassettes are equipped with safety shields preventing sharp prick injuries and protecting the blades. The option for RFID tagging enables complete and reliable traceability with unique LM Dental Tracking System™.
- The cassettes can be coded with silicone code buttons and attached to the LM-ServoMax with a special lock (LM 6417).

NEW



LM-Servo 5E

- LM 6551 grey
- LM 6552 blue
- LM 6553 green
- LM 6554 yellow

- For five instruments
- Cassette is equipped with safety shields
- Dimensions: 180 x 83 x 26 mm

NEW



LM-Servo 8E

- LM 6581 grey
- LM 6582 blue
- LM 6583 green
- LM 6584 yellow

- For eight instruments
- Cassette is equipped with safety shields
- Dimensions: 180 x 133 x 26 mm

CODING PRODUCTS

Code buttons

- LM 6000 blue
- LM 6001 green
- LM 6002 orange
- LM 6003 red
- LM 6004 yellow
- LM 6005 brown

- On all of the Servo cassettes' there are holes for code buttons
- Package 20 pcs / color



Code rings

- LM 5000 blue
- LM 5001 green
- LM 5002 orange
- LM 5003 red
- LM 5004 yellow
- LM 5005 black
- LM 5006 white
- LM 5007 brown
- LM 5008 lavender
- LM 5009 pink
- LM 5010 dark grey
- LM 5011 lime

- For coding hand instruments
- Package 50 pcs / color

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NEW

INSTRUMENT HANDLING & MAINTENANCE – LM DENTAL TRACKING SYSTEM™

Dental Tracking System™

Unique intelligence with RFID technology

LM has long been the pioneer in dental instrumentation. Working together with dental clinics has revealed many challenges in material handling and traceability. The logistics and instrument maintenance could be managed better and more effectively and there are increasing requirements for patient safety and documentation.

In designing the new LM-ErgoSense instrument LM developed the idea of an intelligent instrument. In addition to ergonomic comfort it offers unique opportunities to improve material handling and patient safety in the clinic. An advanced RFID chip can be integrated into all LM-ErgoSense instrument handles enabling complete and reliable traceability of the instrument simply by scanning the tiny RFID chip.

The built-in RFID technology together with scanning readers and software create a unique LM Dental Tracking System™ (DTS) which improves asset management and accelerate and document material flows.

DTS™ effectively allows you to monitor, track and log materials and instruments reducing the time and costs throughout the process. It helps to schedule the material purchases, keeps track of the instruments' circulation and provides valuable information regarding maintenance needs and instrument history. Traceability helps to ensure the use of only safe and clean instruments and takes the patient safety to a whole new level.

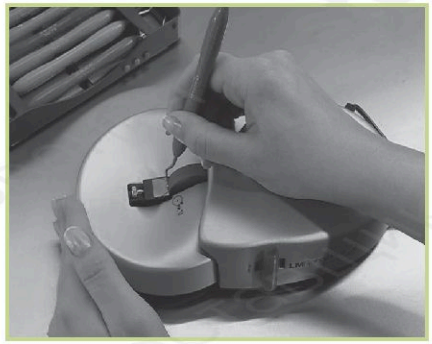
Knowing is power.



More about the system on www.dentaltracking.com

INSTRUMENT HANDLING & MAINTENANCE – LM-RONDOPLUS SHARPENING MACHINE

Instruments used in treating hard tissue blunt quickly, naturally compromising efficiency and results. Periodontal instruments should be sharpened regularly.



Easy and quick

- Simple method - the blade is held in the correct sharpening position and the grinding stone rotates
- Sharpening one instrument only takes a few seconds

Versatile

- For both periodontal and preparation instruments
- For both right- or left-handed
- The direction of rotation can be selected

Accurate and safe

- A dual-position instrument rest. The upper position is for preparation instruments and the lower for periodontal instruments
- The original blade form is preserved
- Low rotational speed - the blade will not heat up nor will its temper be affected

The fine-grain ceramic stone is 400 grit. Finer and coarser sharpening stones are available as spare parts.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

LM-RONDOPLUS SHARPENING MACHINE





■ Interactive demonstration and instruction CD and handy quick guide included!

Pat

LM-RondoPlus

LM 8600

Package includes:
Sharpening machine, foot pedal, 400 grit sharpening stone, 2 LM-Fingos, 5 emery tapes, instruction CD and quick guide



On either side of the LM-RondoPlus there are LM-Fingo test sticks. Sharpness can be tested both with Fingo mounted on the LM-RondoPlus or your finger. The Fingo is made of an acrylic plastic and is sized to fit all users.

Spare Parts

Grinding stone

- LM 8660 600 grit (white)
- LM 8640 400 grit, coarser (grey)
- LM 8632 320 grit, coarsest (black)

- LM 8630 Foot pedal
- LM 8550 Emery tapes, 5 pcs
- LM 8602 LM-Fingo, 2 pcs
- LM 8606 LM-Fingo, 6 pcs

INSTRUCTIONS FOR INSTRUMENT MAINTENANCE

1. Pre-disinfection

Do not leave dirty instruments dry - put them into disinfecting solvent as soon as possible. Pay close attention to the correct dosages and exposure times. If you are using a thermodisinfector, skip service cycle steps 1-2.

2. Rinsing

Rinse instruments thoroughly under warm running water.

3. Cleaning

Washing machine / Thermodisinfector
Hand wash: Remove all visible dirt with warm water. Use a soft brush and detergent.
Ultrasonic cleaner: use instrument cassettes to prevent damage.

4. Rinsing

Rinse instruments thoroughly under warm running water.

5. Drying

Dry instruments before sterilization.

6. Inspection and sharpening

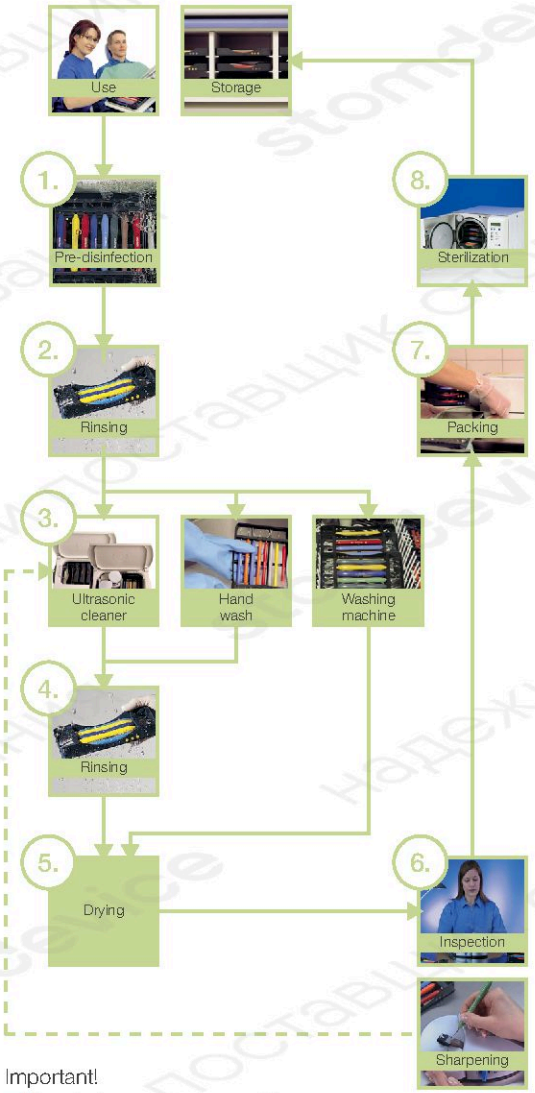
Sharpen, service or replace instruments, if necessary.
Note! Do not sharpen LM Sharp Diamond instruments.

7. Packing

Pack serviced and cleaned instruments for sterilization.

8. Sterilization

Autoclave: place clean, dry and properly packed instruments into the autoclave.
Hot-air sterilization: place clean, dry and properly packed instruments into the hot-air sterilizer; do not fit them in too tightly; ensure that temperature is correct (max. 180 °C/355 °F).
Note! LM extraction instruments max 134 °C/273 °F.

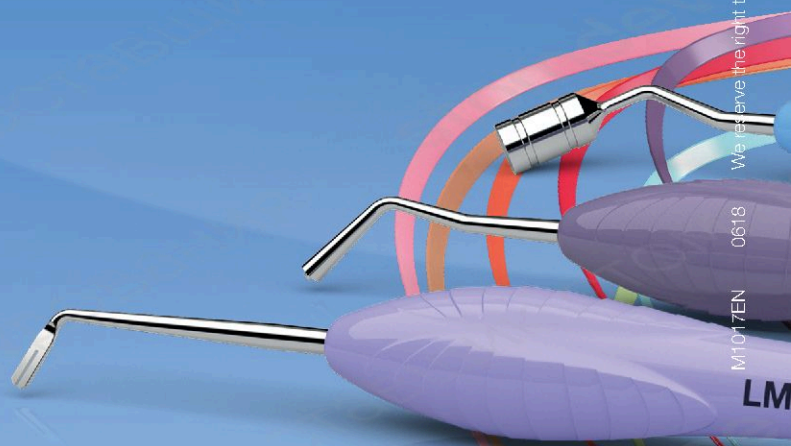


Important!

- Regularly service the machines
- Follow all user instructions
- Pay special attention to correct dosage and exposure
- Use LM-Servo cassettes to protect the instruments and avoid sharp injuries

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M1017EN 0618 We reserve the right to make any changes.

LMDental

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For catalog language versions and other LM marketing materials visit materialbank.lm-dental.com or scan the QR code for LM Material Kit app.

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