

LMRondoPlus™



LM

feel the  
difference



EASY SHARPENING WITH  
**LMRondoPlus™**

# LMRondoPlus™

## Easy sharpening

### SHARP INSTRUMENT

- + Speed
- + Control and feel
- + Precision and effectiveness

### DULL INSTRUMENT

- Feel
- Force required strains
- Traumas

Regular maintenance of dental hand instruments is the foundation of safe and high quality treatments.

In addition to cleanliness, instrument condition has a significant impact on the end result of a treatment as well as your and your patient's safety. When discussing hand instruments, a critical factor is the instrument blade. Only working with sharp instruments will ensure an optimal treatment result.

LM-RondoPlus™ is a simple and reliable sharpening machine, which is suitable for use with all hand instruments that can be resharpened.

LM-RondoPlus™ sharpens all hand instruments easily, quickly and precisely.

Regular sharpening allows you to work with a sharp instrument, which reduces the amount of strain on your hand and enhances safety from one treatment to the next. The service life of a regularly sharpened instrument is also longer than one that is not maintained well.



# Features

## EASY TO USE

Sharpening hand instruments is easy with the right tools. Different sharpening needs and individual sharpening techniques were taken into consideration in the design of LM-RondoPlus™. LM-RondoPlus™ sharpens both convex and straight cutting edges, while preserving the original form of the blade.

## QUICK AND VERSATILE

LM-RondoPlus™ is always ready to use. You can sharpen hand instruments quickly and reliably in just a few seconds. LM-RondoPlus™ allows you to sharpen without any complex adjustments, instrument mounts or grinding solutions. The foot pedal further enhances user comfort.

## SAFE AND ACCURATE

LM-RondoPlus™ sharpens instruments at a low rotational speed. The instrument blade does not heat up and its steel properties are not altered. What's more, blade wear is kept to a minimum.

- + Sharpening machine designed for use with all hand instruments that can be resharpened
- + Easy-to-use and fast sharpening technique
- + Preserves the original form of the blade
- + Minimal metal wear
- + Can be operated by both right and left-handed users
- + Sharpens without grinding solutions
- + Easy to keep clean
- + Minimal maintenance required
- + Several sharpening stone alternatives available



# How to use

LM-RondoPlus™ is suitable for use with all hand instruments that can be resharpener. Thanks to its simple operation method, learning how to use the machine takes only a few moments.

The ceramic sharpening stone is mounted in a casing, which can rotate 360°. The instrument being sharpened is placed on the instrument rest next to the sharpening stone. The lower rest position is for periodontal instruments while the upper position is for preparation instruments. The hand holding the instrument remains still – the instrument is sharpened by rotating the casing.

With LM-RondoPlus™ the same basic technique is used, whether the instruments to be resharpener are periodontal or preparation instruments, or have convex or straight cutting edges.



The LM-RondoPlus™ sharpening machine does not require separate grinding solutions such as water or oil.



## SHARPENING STONE

LM-RondoPlus™ comes equipped with a ceramic 400 grit sharpening stone. A finer (600 grit) and a coarser (320 grit) stone are available as spare parts. The stone rotates in two directions. When the stone rotates

away from the instrument, the sharpening effect is more delicate. For more sharpening power use a coarser stone that rotates toward the instrument. The direction of rotation is chosen from the rocker switch.

## INSTRUMENT REST

The instrument rest has two positions. The lower position is for periodontal instruments and the upper position is for preparation instruments. The position is changed by lifting the rest slightly away from the sharpening stone and then up or down.



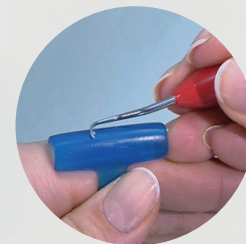
## FOOT PEDAL CONNECTION

Use of the foot pedal is optional. When the foot pedal is connected, the sharpening stone will only rotate when you press down on the pedal. The rotational direction is still selected with the rocker switch.

Rocker switch (direction control)

Hand rest

360° rotating casing



## INSTRUMENT REST CONTROL

The instrument rest must be as close as possible to the sharpening stone without actually touching it. To adjust the distance between the rest and the stone screw the control.

## LM-FINGO™ TEST STICK

LM-RondoPlus™ is equipped with LM-Fingo™ sharpness test sticks, which can be mounted on either side of the machine or worn on the finger. Sharpness is easy to test by drawing the instrument lightly in its working position along LM-Fingo™. Sharp instrument will bite into the stick.

# Sharpening

The sharpening instructions for various instrument type guides the easiest and safest sharpening method. However they are only recommendations and LM-RondoPlus™ suites well for individual sharpening.

## 1. INSTRUMENT STRUCTURE

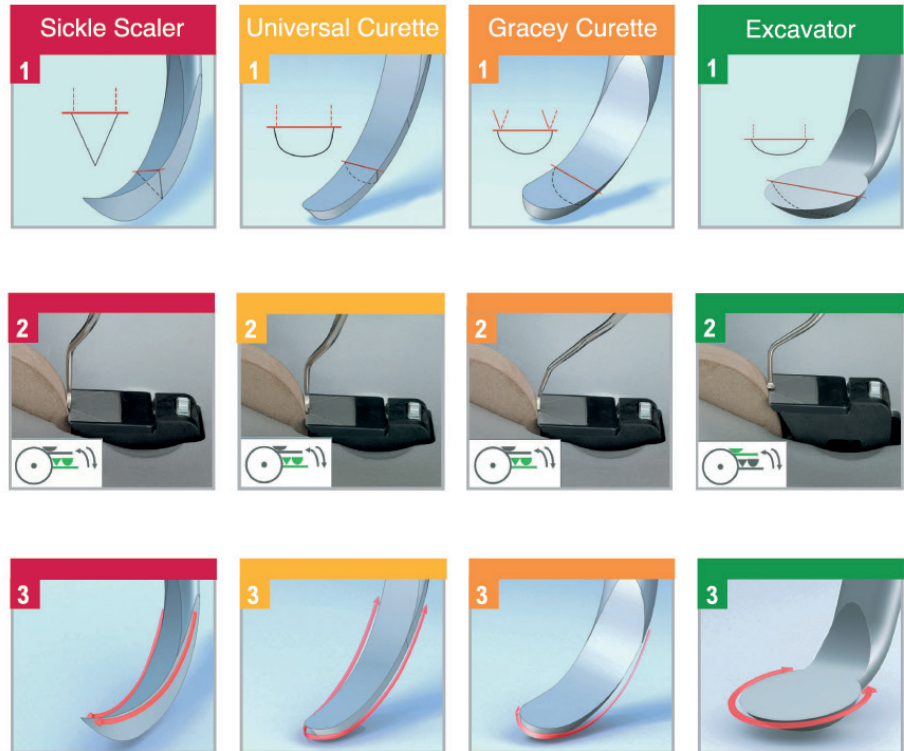
The sharpener doesn't need to worry about all complicated shank angles – the most important points to remember when sharpening are the instrument's lower shank and face and their correct positions.

## 2. INSTRUMENT REST & STARTING POSITION

The correct instrument rest position is illustrated with the green graphic. Choose the lower rest position for all periodontal instruments and the upper rest for all preparation instruments. Place the instrument to the rest face horizontal.

## 3. SHARPENING

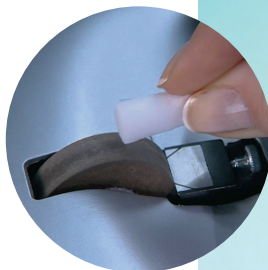
Rotate the sharpening stone evenly around the blade along the red arrows. Continue the movement until the cutting edge is sharp. Use the LM-Fingos™ to test the sharpness.



# Maintenance

## CLEANING

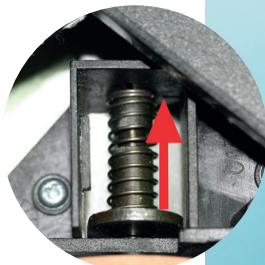
Clean the surfaces with a soft, lint-free fiber cloth – first dry and then with a surface disinfectant. Remove metal shavings stuck to the sharpening stone surface with a cotton swab moistened with alcohol while the stone is rotating. Clean the stone after each sharpening session.



To restore the sharpening effectiveness of the stone use the emery tapes regularly. Press the tape lightly against the rotating stone for a few seconds and then wipe the stone with an alcohol-moistened swab.

## CHANGING STONES

Remove the sharpening stone cover. Release the stone's locking by pulling the lever and remove the stone. Place the new stone into place so that cog teeth are properly aligned. Releasing the lever will lock the stone into its place. Replace the cover.



## LM-RondoPlus™ LM 8600

**Package includes:** sharpening machine, 400 grit grinding stone, foot pedal, two LM-Fingo™ test sticks, 5 emery tapes, instruction CD and quick guide.

Spare parts	Order number
Grinding stone, 600 grit, white	LM 8660
Grinding stone, 400 grit (coarser), grey	LM 8640
Grinding stone, 320 grit (coarsest), black	LM 8632
LM-Fingo™ (2 pcs)	LM 8602
LM-Fingo™ (6 pcs)	LM 8606
Foot pedal	LM 8630
Emery tapes (5 pcs)	LM 8550

# LM Dental™

 LM-Instruments Oy

Norrbyn rantatie 8 | FI-21600 Parainen | Finland

Tel. +358 2 4546 400

info@lm-dental.com | www.lm-dental.com

