LM ProPower

PLEASANTLY PURE

Tips

Accessories
LM ProPower ultrasonics and air polishing

LM-ProPowers are versatile ultrasonic and air polishing devices for professional dental care. In addition to scaling and polishing, they bring power to numerous other treatments on the diverse field of dentistry.

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Scan the QR code to see LM-ProPower in action. Full periodontal treatment protocol by Tracey Lennemann, RDH, BA

Note! The tips presented in this book are compatible with all LM ultrasonic table top and built-in devices.
Handpieces and LM-ErgoGrips for better hygiene and efficiency

The exchangeable, silicone LM-ErgoGrips provide exceptional ergonomics and less strain on the clinicians’ hands. The LM-ErgoGrips are removable and autoclavable, disposing of the need for buying several expensive handpieces. A few LM-ErgoGrips will keep the practise running effectively patient after patient.

LM-ErgoGrips are available with a selection of bright colors.

“Which ultrasonic handpiece do I have?”

Check the main features below.

- Water regulation (W)
- Effective LED lightning (L)
- Autoclavable handpiece (A)

<table>
<thead>
<tr>
<th>Handpieces</th>
<th>ULTRASONIC HANDPIECES</th>
<th>WITH LIGHT</th>
<th>WITHOUT LIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ultrasound</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LM 10099B blue</td>
<td>LM 10098B blue</td>
<td>LM 10086B blue</td>
</tr>
<tr>
<td></td>
<td>LM 10099E dark blue</td>
<td>LM 10098E dark blue</td>
<td>LM 10086E dark blue</td>
</tr>
<tr>
<td></td>
<td>LM 10099G light grey</td>
<td>LM 10098G light grey</td>
<td>LM 10086G light grey</td>
</tr>
<tr>
<td></td>
<td>LM 10099D dark grey</td>
<td>LM 10098D dark grey</td>
<td>LM 10086D dark grey</td>
</tr>
<tr>
<td></td>
<td>LM 10099C lilac</td>
<td>LM 10098C lilac</td>
<td>LM 10086C lilac</td>
</tr>
<tr>
<td></td>
<td>LM 10099F pink</td>
<td>LM 10098F pink</td>
<td>LM 10086F pink</td>
</tr>
<tr>
<td></td>
<td>LM 10099A lime</td>
<td>LM 10098A lime</td>
<td>LM 10086A lime</td>
</tr>
</tbody>
</table>

Colors

- LM 10099B blue
- LM 10099E dark blue
- LM 10099G light grey
- LM 10099D dark grey
- LM 10099C lilac
- LM 10099F pink
- LM 10099A lime
Wrench selection

Attachment and removal of tips

<table>
<thead>
<tr>
<th>Wrench</th>
<th>LM 10089S</th>
</tr>
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<tbody>
<tr>
<td>Universal tip wrench</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Wrench</th>
<th>LM 10089</th>
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</thead>
<tbody>
<tr>
<td>Universal plastic tip wrench</td>
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</table>

<table>
<thead>
<tr>
<th>Wrench</th>
<th>LM 10088S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque tip wrench</td>
<td></td>
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<tr>
<td>- practical also as a tip cassette during maintenance</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Wrench</th>
<th>LM 10087</th>
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</thead>
<tbody>
<tr>
<td>Wrench for file holders</td>
<td></td>
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</tbody>
</table>

Check your tips!

Remember to check your periodontal tips with this template regularly. When a tip is worn down more than 2 mm replace it to

- increase efficiency and accessibility
- increase patient comfort
- increase safety
- save time and money.

Scan the QR code for clinical tips for effective and painless piezo scaling by Tracey Lennemann, RDH, BA

Options for sterile ultrasonic treatments

LM-ProPower SterKit (LM 10080) is a safe and reliable sterile system that bypasses current water supply completely. The SteriKit has pressurized irrigation system which allows easy and cost-efficient installation. There is no need for expensive peristaltic pump. All LM ultrasonic devices can be upgraded with the SteriKit.

LM-ProPower SteriLED handpiece (LM 10084) is a quick and easy solution for sterile ultrasonic treatments. It features superior ergonomics and the liquid supply can be added directly on the handpiece with no extra components. The handpiece is compatible with the normal range of LM tips which enables numerous sterile and medicament applications in periodontics and endodontics.

LM-DuraGradeMAX®

- Extremely durable LM-DuraGradeMAX steel
- High wear resistance
- Used in all LM ultrasonic tips
- Working mode coding - easy and safe setting of tip power
  - Max 40%
  - Max 70%
  - Max 100%
- Solid, tight connection to the handpiece
- Enhanced working precision and cleanability
Scaling

Scaling is precision work. Proper ultrasonic instrument selection is of primary importance in achieving complete periodontal debriment. Our wide variety of tips gives you the freedom to choose.

**Heavy calculus removal**

<table>
<thead>
<tr>
<th>Tip</th>
<th>PE-31</th>
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<tbody>
<tr>
<td></td>
<td>LM 100131</td>
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</tbody>
</table>

Used for lingual, buccal and approximal supragingival scaling.

<table>
<thead>
<tr>
<th>Tip</th>
<th>PE-32</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LM 100132</td>
</tr>
</tbody>
</table>

Used for lingual and buccal supragingival scaling.
Scaling

Scan the QR code to see TIP PE-39 in action!

Tip PE-39
LM 100139
Used for universal, lingual and buccal supragingival scaling.

Working mode

Tip PE-41A
LM 100141A
Used for universal, lingual and buccal supragingival scaling.

Working mode

Working mode coding:
Max 40 %
Max 70 %
Max 100 %

Universal

Tip PE-37
LM 100137
Universal tip especially developed for subgingival scaling, furcations, supragingival fine scaling and spot removal.

Working mode

Tip PE-37L
LM 100137L
Universal tip for subgingival scaling, furcations, supragingival fine scaling and spot removal. Tip angled to left for better access to furcations.

Working mode

Tip PE-37R
LM 100137R
Universal tip for subgingival scaling, furcations, supragingival fine scaling and spot removal. Tip angled to right for better access to furcations.

Working mode

Tip PE-39
LM 100139
Used for universal, lingual and buccal supragingival scaling.

Working mode

Tip PE-41A
LM 100141A
Used for universal, lingual and buccal supragingival scaling.

Working mode
Scaling

Tip  PE-41P  LM 100141P  Used for universal, lingual and buccal supragingival scaling. Can also be used for shallow pockets.

Tip  PE-41AF  LM 100141AF  Used for approximal supragingival scaling. Also suitable for lingual and buccal scaling.

Tip  PE-41PF  LM 100141PF  Used for lingual, buccal and approximal supragingival scaling.

Tip  PE-33  LM 100133  Used for subgingival scaling and furcations.

Tip  PE-33L  LM 100133L  Used for subgingival scaling and furcations. Tip angled to left for better access to furcations.

Tip  PE-33R  LM 100133R  Used for subgingival scaling and furcations. Tip angled to right for better access to furcations.

Periodontics

Scan the QR code to see TIP PE-33 in action!
Scaling

**Tip PE-38**

- **Tip PE-38LM 100138**
  - Used for lingual and buccal subgingival scaling and furcations. Also suitable for supragingival fine scaling and spot removal.

**Tip PE-38L**

- **Tip PE-38L LM 100138L**
  - Used for subgingival scaling and furcations. Also suitable for supragingival fine scaling and spot removal. Tip angled to left for better access to furcations.

**Tip PE-38R**

- **Tip PE-38R LM 100138R**
  - Used for subgingival scaling and furcations. Also suitable for supragingival fine scaling and spot removal. Tip angled to right for better access to furcations.

**Tip PE-40**

- **Tip PE-40LM 100140**
  - Used for deeper lingual and buccal subgingival scaling. Also suitable for supragingival fine scaling and spot removal.

**Tip PE-40L**

- **Tip PE-40L LM 100140L**
  - Used for deeper subgingival scaling and molar furcations. Tip angled to left for better access to furcations.

**Tip PE-40R**

- **Tip PE-40R LM 100140R**
  - Used for deeper subgingival scaling and molar furcations. Tip angled to right for better access to furcations.

**Working mode coding:**

- Max 40 %
- Max 70 %
- Max 100 %
Scaling

Tip PE-40H
LM 100140H
Used for deeper subgingival scaling. Especially suitable for lingual scaling of incisors.

Working mode

Tip PE-41PS
LM 100141PS
Used for deeper lingual and buccal subgingival scaling. Also suitable for supragingival fine scaling and spot removal.

Working mode

Tip PE-40HS
LM 100140HS
Universal tip for supra- and subgingival scaling. Similar to PE-40H tip, but with a slimmer shape. The new thinner design enables better reachability into approximal spaces and deeper periodontal pockets.

Working mode

Scan the QR code to see Tip PE-40H in action!

Implant maintenance

Tip IM-1
LM 1001301
Used on implants for the removal of calculus on fixtures, abutments and crowns. The working end is coated with PEEK® material to avoid damaging or discolouring the implant. Used together with the instrument holders IH-1 or IH-2.

Available in a pack of four.

Working mode

Tip IM-2
LM 100102
Same design as IM-1, but the working end is angulated for better access to difficult-to-reach surfaces. Used together with the instrument holders IH-1 or IH-2.

Available in a pack of four.

Working mode

Working mode coding:
- Max 40 %
- Max 70 %
- Max 100 %
Minimally invasive excavation

With the aid of diamond-coated ultrasonic tips small preparations can be carried out without the unnecessary removal of the surrounding tooth substance. The tips can also easily be used for crown margins and cleaning fissures. The small diameter of the tips make them very suitable for treating children and the low noise level in comparison with rotating instruments is especially appreciated by nervous patients.

**Tip MI-2**

Max 40 %

Max 70 %

Max 100 %

**Working mode coding:**

150°

72°

115°

Slightly contra-angled, used for lingual and buccal work on molars.

**Tip MI-3**

Contra-angled, used on lingual, buccal and distal areas.

**Tip MI-4**

Heavily contra-angled, used on lingual, buccal and distal areas on molars and furcations.
Endodontics and Apical surgery

Ultrasonic tips can be utilised in many areas in endodontics. They are truly excellent in the removal of posts, the removal of dentin in pulp chambers, finding and widening orifices, preparing canals, removing broken instruments and cleaning prepared canals.

**Pulp chamber**

**Tip: EN-1**
LM 100201

Bail shaped tip used for the removal of crowns, bridges and a variety of posts set with various cementing agents. The tip is placed against the post and then moved in a circular fashion to remove it.

**Working mode**

**Tip: EN-2**
LM 100202

Flat and round diamond-coated surface on the tip. Used for planing attached pulp stones from the pulp chamber floor. Compared to rotating instruments the risk of perforating the tooth is small.

**Working mode**

**Tip: EN-3**
LM 100203

All-purpose, conical and diamond-coated tip primarily used in the pulp chamber for removing pulp stones, dentin and old fillings. Also for finding hidden openings.

**Working mode**

**Caution!** All endodontic tips are extremely sensitive and if not used correctly or with too much power or force they are subject to breakage. Do not exceed recommended working mode and always place the tip on the tooth surface before turning on the power.
Endodontics

**Working mode coding:**
- Max 40 %
- Max 70 %
- Max 100 %

### Tip EN-4
*LM 100204*
Round diamond-coated tip for removing gross dentin, for moving access line angles, for cutting a groove in the mesial access wall to drop into the second mesial-buccal canal (MB2) systems, and for quickly and carefully unroofing pulp chambers.

### Tip EN-12
*LM 100212*
Flat and diamond-coated tip. Used in the pulp chamber for removing pulp stones and also for removal of dentin and old fillings. Compared to rotating instruments the risk of perforating the tooth is small.

### Tip EN-5
*LM 100205*
Used in the coronal and apical part of root canals. Amongst other things the tip can be used to trephine around posts, widen calcified canals, remove hard fillings and broken instruments and other intra-canal obstructions.

### Tip EN-6
*LM 100206*
Primarily used in the coronal area of the root canal to trephine around posts. Also for chasing calcified canals halfway up a root. The water supply is placed at the furthest extremity of the tip for increased rinsing and cooling of the treated area.

### Tip EN-7
*LM 100207*
Same shape as tip EN-5, but 2 mm longer, and same areas of use. Used in the coronal, middle and apical one-thirds of roots.

### Caution!
All endodontic tips are extremely sensitive and if not used correctly or with too much power or force they are subject to breakage. Do not exceed recommended working mode and always place the tip on the tooth surface before turning on the power.
Endodontics

Removal of broken instruments

Tips EN-9, EN-10 and EN-11 are made of titanium and have no diamond coating. They hold a bend if applied forcefully. Titanium tips cut evenly and have an exceptional tactile sense. The small diameter makes them suitable for use in the apical part of root canals. Primary area of use is to isolate and remove broken instruments. Even broken instruments that are firmly stuck in the apical part of the root can often be removed by ultrasonic vibrations. Used in the mid and apical part of a root with illumination and magnification.

Caution! All endodontic tips are extremely sensitive and if not used correctly or with too much power or force they are subject to breakage. Do not exceed recommended working mode and always place the tip on the tooth surface before turning on the power.
File holders

FH-1, FH-2 and FH-3 are holders for hand files. By using the hand file in a fluid-filled root canal the ultrasonic vibrations clean the canal very efficiently. The resulting cavitation effect gives a proven high degree of cleanliness.

Endodontics

Apical surgery

The diamond-coated tips are used for opening and clearing the root when doing apical surgery. The long necks of the tips give excellent visibility and the ultrasonic vibrations in combination with the diamond coating give a higher degree of tactility and precision compared to rotating instruments.

Tip AP-1

LM 100507

Used in combination with the instrument holders IH-1, IH-2, IHs-1 or IHs-2. With the aid of the instrument holder the AP-1 can be turned to precisely the angle needed for the treatment. Available in a pack of four.

Tip AP-2

LM 100508

Same area of use as AP-1. AP-2 has a slimmer design and is therefore better suited for small roots. Available in a pack of four.

Caution! All apical surgery tips are extremely sensitive and if not used correctly or with too much power or force they are subject to breakage. Do not exceed recommended working mode and always place the tip on the tooth surface before turning on the power.
Instrument holders

Sterile apical surgery

Apical surgery tips are also available as sterile versions.

**Tip IHs-1**

LM 100801

Sterile instrument holder for use with AP-1 and AP-2 tips for apical surgery. Can also be used for endosonic files and other instruments with a diameter of 0.8 mm.

**Working mode:** See chosen instrument

**Tip IHs-2**

LM 100802

Same shape and area of use as IHs-1.

**Working mode:** See chosen instrument

**Working mode coding:**

- Max 40 %
- Max 70 %
- Max 100 %

Implant maintenance and apical surgery

**Tip IH-1**

LM 100404

Holder for implant maintenance tips and AP-1 and AP-2 tips for apical surgery. Can also be used with endosonic files and other instruments with a diameter of 0.8 mm.

**Working mode:** See chosen instrument

**Tip IH-2**

LM 100405

IH-2 has the same shape and area of use as IH-1.

**Working mode:** See chosen instrument

**Working mode coding:**

- Max 40 %
- Max 70 %
- Max 100 %
Ultrasonic technology can today be used for much more than just scaling and endodontics. Ultrasonic tips can be used to remove crowns, for amalgam condensation and for the application of thixotropic cementation.

**Tip SP-34**
LM 100734
Used for removing crowns and inlays.

**Tip SP-34S**
LM 100734S
Same shape and area of use as SP-34, but with a smaller diameter to make inaccessible areas reachable.

**Tip SP-35**
LM 100735
Used for amalgam condensation.
Tip SP-35A  
LM 100735A  

Used for applying thixotropic cementation together with crowns and inlays. The extremity of the tip is covered in plastic so does not damage the crown or inlay.

Working mode

Tip SP-35B  
LM 100735B  

Same shape and area of use as SP-35A, but with a considerably more open angle.

Working mode

Tip SP-35C  
LM 100735C  

Same shape and area of use as SP-35B, but with a considerably more open angle.

Working mode

Working mode coding: ☐ Max 40 % ☐ Max 70 % ☐ Max 100 %
Nozzles

**Supragingival biofilm removal**

- **LM-Supra A**
  - LM 15610301
  - The design of the LM-Supra A universal nozzle enables accurate direction of spray to every supragingival tooth surface.
  - Non-clogging construction keeps water and powder separate to the last second.

- **LM-Supra B**
  - LM 15610311
  - LM-Supra B hooked nozzle is designed for supragingival air polishing. It reaches well the lingual surfaces of incisors.
  - Non-clogging construction keeps water and powder separate to the last second.

**Subgingival biofilm removal**

- **LM-Sub A**
  - LM 15611061
  - LM-Sub A nozzle is intended for air polishing in deep periodontal pockets and furcations. The lasermarked WHO-scale helps to keep track of the gingival pocket depth.
  - It’s universal design reaches all tooth surfaces.
  - Recommended to use with Glycine powder.

**Powders**

**Supragingival air polishing**

- **Calcium Carbonate**
  - LM-Calcium Carbonate powder includes spherical shaped particles also known as “pearls”. This effective yet gentle powder suits for supragingival cleaning of enamel. It has a neutral, sweet taste which is easily accepted by the patients. It is a sodium free powder.
  - Particle size: 55 µm
  - Packaging size: 4 x 250 g

- **Glycine**
  - Glycine consists of very fine, sound particles which don’t harm tooth surfaces or gingiva. This feature makes it an ideal powder for deep subgingival pockets and gingival margins.
  - Particle size: 25µm
  - Packaging size: 4 x 100 g

Upgrade your air polisher with LM-ProPower SubKit including one LM-Sub A nozzle, lime LM-ErgoGrip Focus LED, powder container and Glycine powder.
LM-ProPower SubKit: LM 15611071
Scan the QR code to search for your nearest distributor!