

LM-CompoKnife HL (LM 9006)

A new knife for the wide-ranging needs of dental care

When preparing composite fillings, maintaining good contact with neighboring teeth and finishing the gingival margin are major challenges. Because rotating instruments are not well suited to interproximal finishing, LM-Instruments and Dr. Hannu Laamanen, DDS, worked together to develop a composite finishing knife. The knife is sufficiently sturdy and is safe for trimming off excess composite without soft tissue trauma. A thin layer of resin composite will always spread outside the edges of the cavity and this new multipurpose knife is an outstanding instrument for its removal.



Thanks to its rounded silicone handle, LM-CompoKnife has a good feel in the hand and can easily be maneuvered on the various surfaces of the tooth. The blade is deeply set, with the shaft preventing the blade from damaging soft tissue and allowing for the use of great tactile and lateral force when carving out excess material. Disposable surgical blades are attached to the shaft, thus ensuring that the blade is always razor sharp. The knife is used to precisely carve out excess resin, preventing the formation of edges on the tooth and filling margin, as happens with composite fracturing. The blade (standard no. 3 fitments) is easy to adjust in different positions and depths. All types of surgical blades can be used with the shaft and blades can be quickly changed.



Figure 1. LM-CompoKnife works well in approximal finishings.

LM-CompoKnife is also suitable for use in a wide variety of other applications. Its sturdiness makes it ideal for the finishing of vacuum tray edges used in malocclusion and bleaching treatments, because removal of the plate from the plaster cast requires the knife to be extremely durable. Also, when finishing the edges of plaster molds the shaft of a standard knife will not provide enough lateral support for the blade, which often leads to blade breakage.

This new multipurpose knife is indeed an invaluable instrument for any dental laboratory, also facilitating the finishing of acrylic composites.



Figure 2. Outstanding instrument for the removal of thin layer of bonding resin.

LM-CompoKnife brings new possibilities to surgery. In periodontal surgery the knife allows cuts to be made at even the most difficult working angles, because the blade position can be freely adjusted. In bone and hard tissue surgery the sturdiness of the knife blade enhances procedural safety and allows greater force to be applied. And the solid feel in the hand is always optimal. Many plastic surgeons are already singing the praises of our new knife.



Figure 3. Ideal for finishing of vacuum tray edges used in bleaching treatments.

LM-CompoKnife is therefore truly a multi-purpose knife, which allows for precise, strong and sharp handling. The only real danger is that the standard flat, metal knife handle will suddenly seem uncomfortable to hold and old fashioned!