

POCKETMAKER ULTRAKERATOME



The internationally patented PocketMaker Ultrakeratome represents a true milestone and opens a new era in corneal surgery. It follows a revolutionary new concept of corneal cutting. The innovative technology of the PocketMaker stands for many unique features of the device:

Sterilisable Micromotor: The only sterilizable Micromotor worldwide to drive the vibration micro-engine

High-End Diamond Technology: Ultra-thin and ultra-sharp diamond blade with cutting edges sharpened on atomic level even. This unique diamond guarantees unparalleled perfect cutting interfaces.

Ultra-high precision: Micron-level cutting technology allows to cut as close as 50 microns to the endothelium with perfect smooth cutting interface (Application: PocketMaker Lamellar Keratoplasty).

The hand-piece with a **unique blade technology** and **the superior vibration micro-engine** is not fixed to the suction ring. This design allows full interventional control at every stage of the cutting process. This is an important safety feature which avoids complications even in the rare case of suction loss during cutting.

Transparent disposable applanator with integrated magnification lens: Allows full visual and interventional control at any time during the surgical procedure.

Corneal-shape optimized suction ring: Provides a very simple selection of suction ring dimension. About 90 % of the eyes can be treated by the surgeon with only one suction ring dimension.

Revolutionary new blade-bonding technology: Allows thousands of sterilization turns with one blade only.

In-process exchangeable applanator technology: Allows the creation of 2 overlapping corneal pockets and the separation of an intra-corneal tissue lens for the treatment of Myopia (Application: ISKE - Intrastromal Keratectomy).

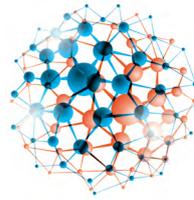
Inverse Femto Formula 1: The deeper the cut the lesser the quality of Femto cutting. The high quality of the PocketMaker cutting is independent from cutting depth!

Inverse Femto Formula 2: Folds and scars in the cornea reduce the quality of cutting in Femto technology (incomplete corneal cuts). The most precise PocketMaker diamond cutting quality is not affected by folds and scars in the cornea!

Unlimited corneal cutting depth!

Universal Cutting Shape Technology (UCST): Allows cutting of pockets of any shape and, therefore, the individualization of Endothelial Keratoplasty by cutting even parallel to the individual posterior corneal surface to avoid peripheral steps at the transplant borders as a source of transplantation failure.

Compact Integrated Technology (CIT): Compact device. Easy to carry. The entire device ready for surgery can be carried in a small case only.

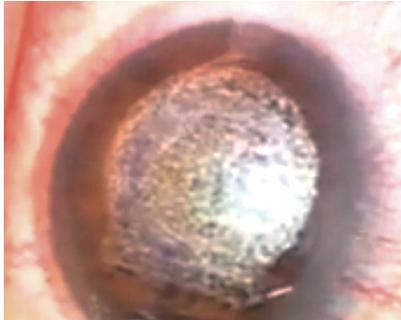


Accessories

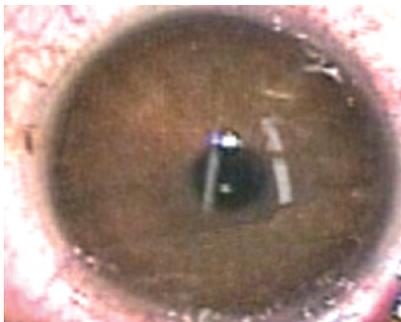
PocketMaker Artificial Anterior Chamber (PAAC): The PAAC for high-precision DALK and Endothelial Keratoplasty uses the same unique cutting technology as the PocketMaker Ultrakeratome itself. That offers to the surgeon several unique surgical options such as

- cutting of the endothelial transplant parallel to the individual posterior corneal surface in order to avoid peripheral steps as a source of transplant failure
- cutting at least as close as 50 microns to the recipients endothelium in DALK which offers, together with the perfect cutting interface from the superior diamond cutting technology, best results from an easy to perform procedure.

corneal pocket
using Femto-
secondlaser
technology



PocketMaker
Ultrakeratome
diamond
technology.



Pocketmaker Incision Control Unit: Allows limitation of the corneal pocket incision to any width between 2 and 5 mm. This feature can be helpful in MyoRing low-myopia treatment to avoid transient induced astigmatism.

DIOPTEx Disposable Micro CXL: The DIOPTEx Disposable Micro CXL Technology can be combined with the superior PocketMaker suction technology for performing the most precise, safe and efficient corneal crosslinking treatment.

