

MACH2 - THE FIRST HIGH-SPEED VITREOUS CUTTER*

DOUBLE-BLADED EFFICIENCY.

**FAST CORE VITRECTOMY AND
SAFE VITREOUS BASE SHAVING.**

CUT RATE
up to
12,000 cpm

**CONSTANT
FLOW**
Controlled and
safe shaving

**PERMANENTLY
OPEN**
Fast core vitrectomy

**DOUBLE-
BLADE**
Long lasting,
excellent cutting
quality



UNO
COLORLINE
MACH 2



Geuder[®]
Precision made in Germany

MACH2 - THE FIRST HIGH-SPEED VITREOUS CUTTER*

IMPROVED SURGERY ROUTINE

Due to the permanently open cutting window, the GEUDER Mach2 vitreous cutter features a constant and high flow for a fast core vitrectomy (up to 40% faster than standard vitreous cutters).

MINIMIZED TRACTION

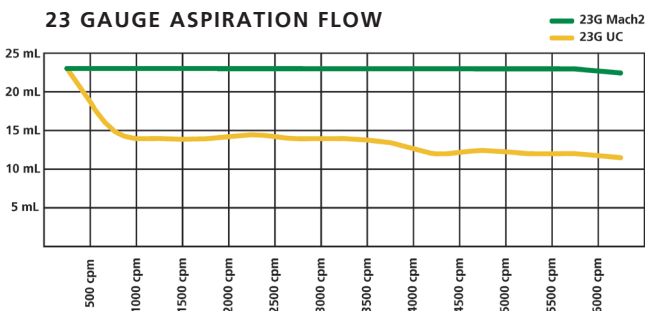
The flow, which is now controllable unbiased from cut rate, minimizes in combination with the maximum cut rate of up to 12,000 cpm, the tractions at the vitreous base. Combined with the reduced cutting window-to-tip distance, the Mach2 vitreous cutter allows a safe vitreous body shaving.

PREDICTABILITY = CONTROL

The stable, cutting-rate independent flow provides a predictable behavior of the retina, always controllable by vacuum (venturi) or flow (peristaltic).

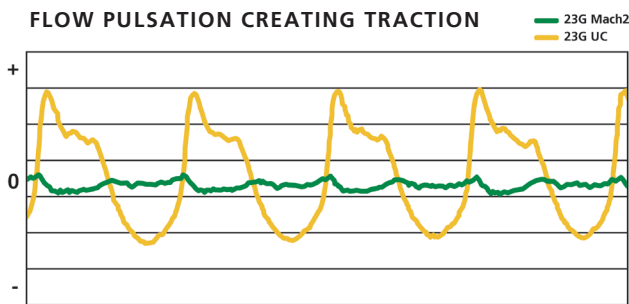
INCREASED SAFETY FOR COMPLEX OPERATIONS

The MACH2 is not only the first choice for standard indications but also for complex surgeries. The constant and high flow creates an excellent holdability in cases of massive PVR structures or luxated lenses. The long-lasting cutting blades chop the nucleus safely even during long surgery times. Thanks to the constant and high flow, as well as the minimized traction and improved control, the GEUDER MACH2 vitreous cutter is ideal in cases of traumata, vitreous haemorrhages and retinal detachments.



CONSTANT FLOW OVER THE CPM RANGE

The green graph clearly shows the constant flow of the UNO Colorline MACH2 vitreous cutter over the entire cpm range. In contrast, the single blade cutter's flow capacity decreases with increasing cut rates (yellow graph). MACH2 vitreous cutter provides fast core vitrectomies even with high cut rates.



CONSTANT AND PULSE-FREE FLOW PROVIDES SAFETY NEAR THE RETINA

The comparison of fluid movement shows the silent and constant flow produced by the UNO Colorline MACH2 (green graph). The advantage is a predictable behavior of the retina with increased patient safety due to the pulse-free action of this vitreous cutter. In contrast, the yellow graph shows a high flow fluctuation which leads to traction.

[Setup parameters: Both vitreo cutters in 23 Gauge with identical geometries. Medium: BSS. Device used: GEUDER megaTRON S4^{HPS}. Vacuum 600 mmHg with 0.5 sec rise time.]

UNO COLORLINE MACH2 23 G

fits megaTRON/megaTRON S3/megaTRON S4 and megaTRON S4^{HPS}

G-42302 - 1 pcs. per box

G-46302 - 6 pcs. per box



*) Product launched May 2013

**) in combination with megaTRON S4^{HPS}

GEUDER AG reserves the right to make changes to technical details in response to recent developments. GEUDER AG does not assume any liability for the accuracy of each individual statement.

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