



7 Seconds
FROM START TO FINISH
TO CREATE A FLAP

MAXIMIZE YOUR

WOW

FACTOR



HOW TO WOW

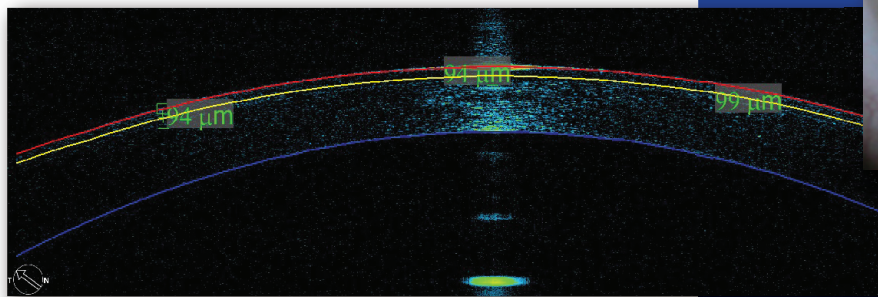
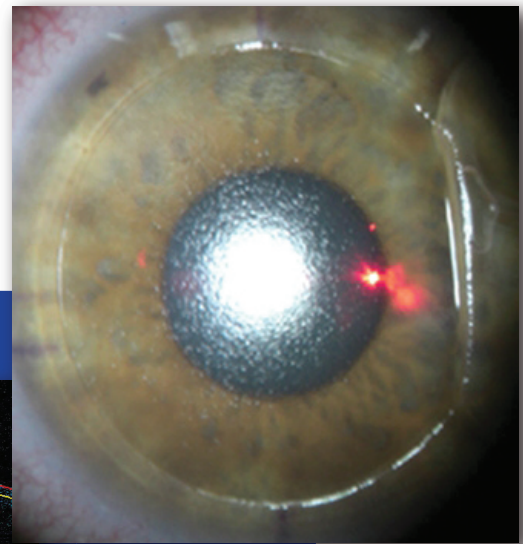
The WOW Factor is that moment when your patient lifts their head up and is overwhelmed with emotion because they can actually see the detail on the clock across the surgery room.

It is a moment that your patients never forget. We at MED-LOGICS want to work with you to achieve that WOW Factor with every one of your patients.



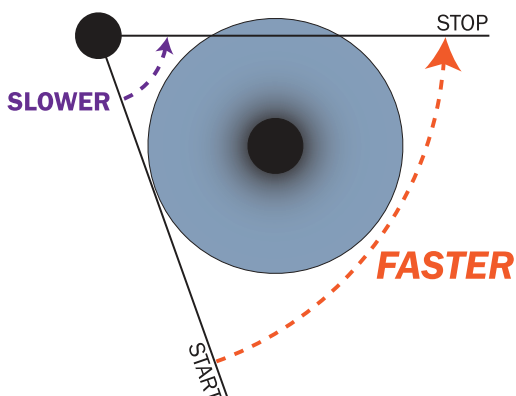
For the maximum WOW Factor,
your flaps must be:

1. PLANAR
2. SMOOTH
3. THIN



WHY OTHERS CAN'T

Rotating Microkeratomes Can't

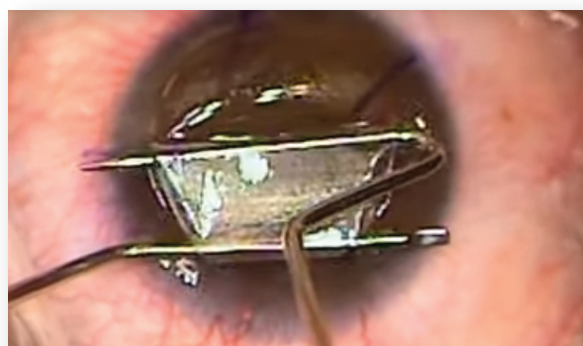
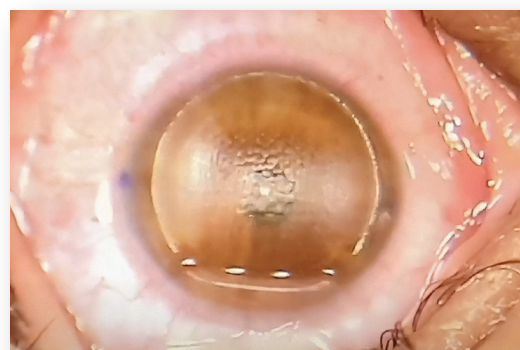


Differing speeds in the arc create an uneven flap thickness.

The ML7 System creates a smooth, PLANAR flap by using a constant linear movement across the eye, controlled by load compensation software.

Femtosecond Lasers Can't

Femtosecond lasers cannot create a smooth separation of tissue, rather they use energy to create bubbles in the cornea, which are dissected with a blunt spatula by the surgeon. The excessive energy and blunt dissection of the bubbles can cause edema and leaves a rougher surface of peaks and valleys.



A flap that's too thin can rip when the tissue is manually separated during the Femtosecond Laser flap creation. The ML7 System creates a smooth flap with a desirable, customizable thickness.

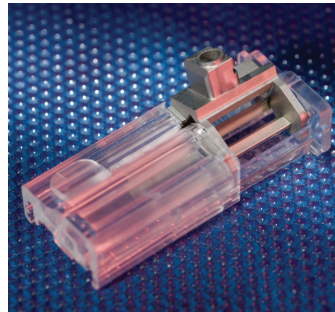


WOW, THAT'S SIMPLE

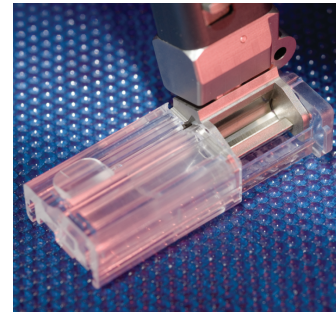
Zero-Contact Blade Shuttle



Open The Drawer

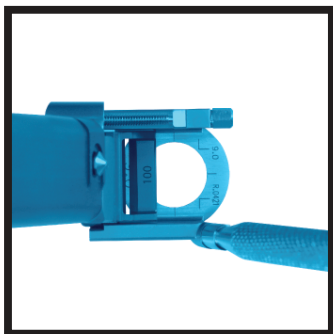


Insert The Blade



Attach Handpiece

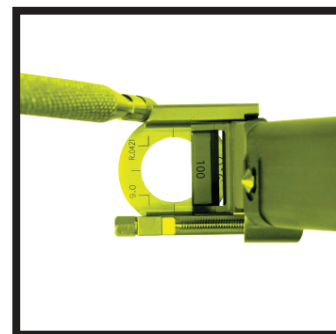
Versatile Hinge Positioning



Temporal Hinge

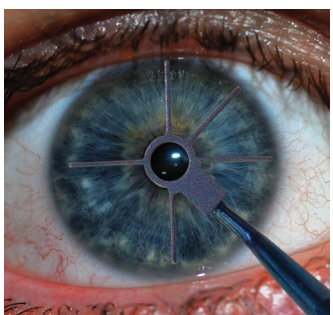


Superior Hinge

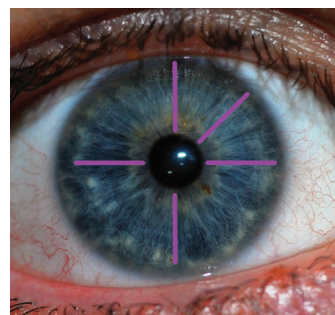


Nasal Hinge

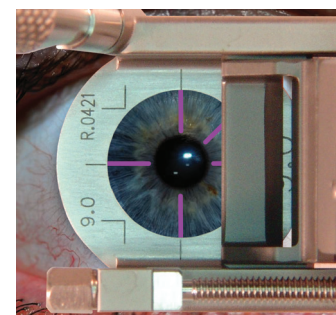
Flap Centration / Hinge Confirmation



Mark Pupillary Center



Mark Like A Cross



Align Marks On The Deck Of The Vaccum Ring With The Marks On The Cornea



WOW, THAT'S ADVANCED

Console



- Large, easy-to-read displays
- Rapid vacuum acquisition
- Variable vacuum control
- Maintains blade speed through software for consistent flaps
- Internal battery backup

Ergonomic Handpiece

- No assembly on the eye
- Versatile hinge positioning
- Lightweight and comfortable
- Only 7 seconds on the eye



Eye Marker

- Lines up with markings on ML7 Vacuum Rings to provide centration and avoid free-caps
- Asymmetric design for easy repositioning
- Made from high strength titanium



Vacuum Rings

- Elevated sides eliminates the need for a lid speculum
- Four vacuum openings for secure fixation
- Centration marks to line up with cornea
- 8.0, 8.5, 9.0, 9.5, & 10.0 mm options available



Precision One-Piece Heads

- Epithelium friendly shape and coating
- Applies constant pressure to prevent button holes and create PLANAR flaps
- Open design to see the flap while it's cut
- 100 & 130 micron versions available



Consolidated Footswitch

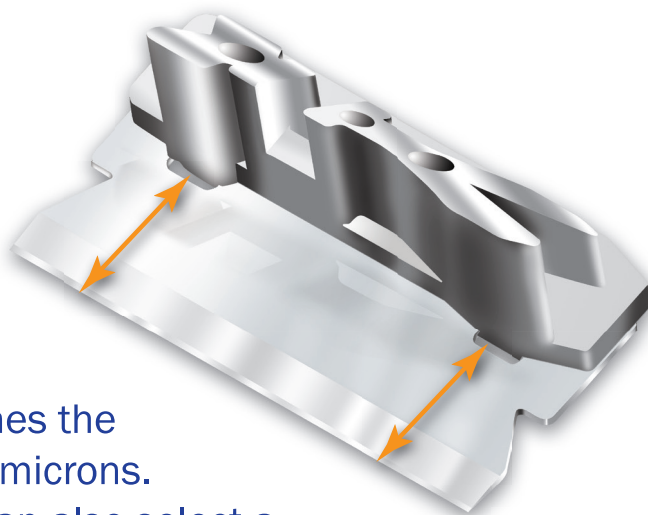
- Durable, consolidated design
- Dustproof and waterproof
- Anti-slide feature



WOW, THAT'S ACCURATE



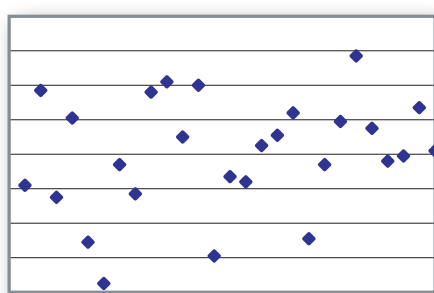
The MED-LOGICS Calibrated LASIK Blade (CLB®) offers surgeons the precision and flexibility needed to ensure every patient experiences the WOW Factor. The Critical Dimension that determines the projected depth of cut is controlled to +/- 5 microns. Beyond this unrivaled precision, surgeons can also select a Plus or a Minus CLB®, depending on the unique characteristics of the patient, to customize the flap to the patient.



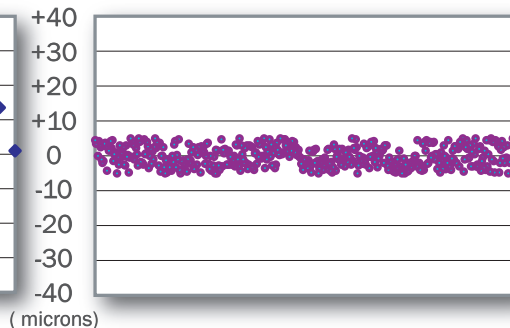
Custom Flap Options						
Custom Flap Thickness Options (in microns)	MINUS 30 CLB®	MINUS 20 CLB®	MINUS 10 CLB®	PLANO CLB®	PLUS 10 CLB®	PLUS 20 CLB®
100 Micron ML7 Head	70	80	90	100	110	120
130 Micron ML7 Head	100	110	120	130	140	150

Accuracy of the Critical Dimension

Traditional LASIK Blades



CLB®



MORE THAN JUST LASIK



Controlling the variables to offer repeatability:

Automated Handpiece

Software controls the dual motor handpiece and makes adjustments every 50 milliseconds to deliver a consistent blade oscillation & transition speed across the cornea for planar flaps.

Console

Electronically powered device with battery backup for added safety.

Pressure Control System

Patented digital pressure gauge displaying real-time pressure readings during the cut, preventing excessive pressure and saving endothelial cells.



ML7100 CLB® with six different thickness options, all designed to be within +/-5 microns in the projected depth of cut for optimum cut accuracy.

Artificial Anterior Chamber

Ability to create a 10 to 11 mm diameter cut and leave a small hinge to protect the membrane from haze and edema.

Precision Head

Proprietary head geometry applying constant pressure to help create a planar cut. Various sizes available.




Equipment:

- 1400ML7 – Handpiece
- 1700ML7 – Console
- 1800ML7 – Footswitch
- 1900ML7 – Microkeratome Mobile Stand

Cases & Cleaning Components:

- 2000ML7 – Reusable Console Shipping Case
- 2001ML7 – Reusable Handpiece Shipping Case
- 1500ML7 – Sterilization Tray (LASIK Only)
- ST0278 – Sterilization Tray, Small 1.5”X2.7”X.75”
- ST0625 – Sterilization Tray, Large 2.5”X6.0”X1.25”
- ST1320 – Sterilization Tray, Small, Deep 1.5”X2.7”X1.25”
- ST2001 – Sterilization Tray, Tub 5.5”X9.5”X2.5”
- ST2002 – Sterilization Tray, AAC 4”X7.5”X1.5”
- SC01 – Instrument Tray, 4”X7.5”X7.5”
- 1350ML7 – Wrench, Helical Drive
- UC1101 – Ultrasonic Cleaner (110 Volt)
- UC2201 – Ultrasonic Cleaner (220 Volt)
- BR01 – Small Cleaning Brush
- BR02 – Large Cleaning Brush

Disposables:

- ML7100 – Calibrated LASIK Blade (CLB®) 
- ML8060VS – Single-Use Sterile Vacuum Tubing
- ML100 – Compressed Eye Spear

LASIK Components Options:

- 0100ML7 – 100 Micron Head
- 0130ML7 – 130 Micron Head
- 1080ML7 – 8.0mm Vacuum Ring
- 1085ML7 – 8.5mm Vacuum Ring
- 1090ML7 – 9.0mm Vacuum Ring
- 1095ML7 – 9.5mm Vacuum Ring
- 1100ML7 – 10.0mm Vacuum Ring
- 1300ML7 – Vacuum Handle
- 2100ML7 – Eye Marker Titanium

DSAEK Component Options:

- 9600D – Digital Pressure Gauge
- 9000D – Artificial Anterior Chamber
- 9090FCD – 9.0mm Cornea Fixation Cap
- 9100FCD – 10.0mm Cornea Fixation Cap
- 9110FCD – 11.0mm Cornea Fixation Cap
- 9100D – 100 Micron Head
- 9300D – 300 Micron Head
- 9350D – 350 Micron Head
- 9400D – 400 Micron Head
- 9450D – 450 Micron Head
- 9500D – 500 Micron Head
- 9550D – 550 Micron Head
- 9601D – 600 Micron Head
- 9090D – Custom Head Size

Technical Data:

- Dimensions (H x W x D): 6.5” x 14” x 12.25”
- Weight: 20.5 lbs (9.4 kg)
- Voltage: 100 - 240 VAC
- Frequency: 50/60 Hz

- Vacuum: 375 - 650 mmHg
- Blade Oscillation: 10,500/minute
- Advancement Rate: 3.5mm/second



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