



MERLIN<sup>®</sup>

Surgical System



**PRECISE ALIGNMENT**

for non-contact  
vitreoretinal visualization

Newly  
**REDESIGNED FOR MAXIMUM**  
Optical Alignment

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**WHERE CLARITY, WIDE FIELD VIEW,  
& Enhanced Performance Converge**

## **CLARITY** Unmatched by Rivals

The Merlin lenses bring Volk's proprietary double aspheric lens technology into the OR, providing exquisite views of the retina with superior sharpness and depth of field.

## **ALIGNMENT** Delivers Precision Every Time

- Precise alignment with the optical axis of the microscope
- Smooth, graduated rotation to optimally position the lens
- Intuitive fine focus adjustment

## **COMPACT** Design Maximizes Working Space

A simple pivoting mechanism that folds away when not in use, occupying minimal space beneath the microscope.



## **PATIENT SAFETY** Increased by Efficient Optical Design

Merlin's exclusive Condenser Lens Assembly:

- Automatically slides a condenser lens into the optical train when the Merlin is engaged
- Eliminates the need to refocus the microscope when switching from anterior to posterior viewing, reducing surgery time
- Significantly improves light transmission via anti-reflective coatings, reducing the risk of phototoxicity

“Merlin has always provided a very clear, ultra-wide field to examine the eye. Now, the Merlin moves the lens smoothly in and out of the surgical field, returning to the same position – every time. Confidence in the lens placement allows me to concentrate on the most important parts of surgery.”

—Suber Huang, MD

*President & CEO, Retina Center of Ohio  
Former President of ASRS*



## **SEAMLESS** Reinversion with the ROLS® ∞

- Automatically reinverts the surgeon's view when the Merlin is engaged
- Compatible with Volk's indirect contact surgical lenses in manual mode, and via foot pedal



## **3 OPTIONS** Suit Your Lens Needs

All Merlin lenses are:

- Designed using Volk's proprietary double aspheric lens technology
- Made from PermaView™ glass, designed to withstand repeat steam sterilization without degradation
- Equipped with a hinge mechanism to ensure patient safety in case of accidental contact

### **WIDE ANGLE** ACS® Lens

**102°/120°** **0.43x** **19 mm**  
FIELD OF VIEW IMAGE MAG LENS DIAMETER

- Widest field of view, allowing visualization of the retina approaching the ora serrata
- Superior clarity and depth of field from the macula to the peripheral retina

### **MID-FIELD** ACS® Lens

**80°/95°** **0.74x** **19 mm**  
FIELD OF VIEW IMAGE MAG LENS DIAMETER

- Higher magnification lens for clearest views of the macula
- Intermediate field of view allows visualization to the equator

### **SMALL WIDE ANGLE** ACS® Lens

**95°/112°** **0.42x** **13 mm**  
FIELD OF VIEW IMAGE MAG LENS DIAMETER

- Smallest diameter lens, ideal for patients with small pupils or deep seated eyes, and pediatric cases
- Provides a very wide field of view, while maintaining superior clarity and depth of field

# MERLIN®

## SYSTEM Components

- Microscope Adapter Mounting Plate
- Condensing Lens Assembly (CLA)
- Lens Positioning Unit (LPU)
- Selection of High Resolution Lenses
- Sterilization Case
- Installation Manual

## OUR Guarantee

Volk Optical warrants Merlin and ROLS ∞ against defects in materials or workmanship for a period of one year from receipt by end user.

## YOUR Peace of Mind

We offer an extended service plan with complete Volk support that will ensure your Merlin® system is fully functional and in great shape. Please inquire for more information.

Additional information including technical specifications, safety information, and sterilization instructions are included in the installation manual.



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