

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.



Volk Optical, Inc.
7893 Enterprise Dr.
Mentor, OH 44060

volk.com
volk@volk.com
(800) 345-8655

ML-1005 Copyrights Volk Optical Inc. Rev. Sept. 2019



MERLIN®

Surgical System



PRECISE ALIGNMENT
for non-contact
vitreoretinal visualization

Newly
REDESIGNED FOR MAXIMUM
Optical Alignment



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

“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



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



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