The MERLIN™ Surgical System is the finest system for non-contact vitreoretinal procedures.

With the pedigree of Volk optics, it delivers unmatched image resolution, superior to any other non-contact system.
MERLIN’s Rotational Assembly holds the Lens Positioning Unit (LPU) and lens in alignment with the microscope optical pathway. It allows rotational movement to position the LPU into and out of the surgical field. It also has a swing mechanism that moves the LPU up and out of the way for unobstructed access to the surgical field.

The LPU is a fine focus assembly that positions the lens above the eye. Its fine focus control wheel ensures precise lens position for crisp focused views. Both the LPU and lenses are sterilizable components.

REINVERTER (ROLS®∞)

The ROL$\text{S}^\infty$ is a low profile, precision reinverter. It is preset at the factory for alignment with the specific microscope type. It also can be custom aligned in position. Custom alignment reduces image shift when engaging the optical prism.
Volk’s expertise in lens technology ensures MERLIN’s lenses benefit from superior double aspheric designs for the finest image quality. Made from robust PermaView glass, these lenses are designed for repeat steam sterilization without material degradation, maintaining superior optical quality throughout the long life of the lens.

**Specifications**

<table>
<thead>
<tr>
<th>Lens</th>
<th>Field Of View</th>
<th>Image Mag.</th>
<th>Lens Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wide Angle</td>
<td>102°/120°</td>
<td>0.43x</td>
<td>19mm</td>
</tr>
<tr>
<td>Small Diameter</td>
<td>95°/112°</td>
<td>0.42x</td>
<td>13mm</td>
</tr>
<tr>
<td>Mid Field</td>
<td>80°/95°</td>
<td>0.74x</td>
<td>19mm</td>
</tr>
</tbody>
</table>

**Wide Angle ACS® Lens**
- Widest field of view of any non-contact system - allows visualization of the retina approaching the ora serrata

**Mid Field ACS® Lens**
- Higher magnification view – for more detailed imaging to the equator

**Wide Angle Small Diameter ACS® Lens**
- Smallest diameter lens available – increases space for instrument manipulation.
- Maintains 94% of the field of view of the wide angle lens
SYSTEM
Your choice. MERLIN will come with the essential components you need for a fully functional system. You can choose to enhance your system with further options as needed.

The MERLIN essentials are:
• Microscope Adapter Mounting Plate
• Rotational Assembly
• Lens Positioning Unit
• 2 High Resolution Lenses (your choice which types)
• Sterilization Case
• Installation Manual

WARRANTY
Your guarantee. Volk Optical warrants MERLIN against defects in materials or workmanship for a period of 1 year from receipt by end user.

SERVICE
Your peace of mind. We offer a unique extended service plan with complete Volk support that will ensure your MERLIN system is fully functional and in great shape. Please enquire for more information.

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