

Seiler Instrument and Manufacturing Co., Inc. was established in 1945. In 1913, Eric H. Seiler entered and studied for a decade at the prestigious Zeiss-Jena School of Fine Optics in Germany. This is where he attained his Masters Degree in Fine Optics, and due to the war moved to the United States of America and opened Seiler's door in 1945. Seiler is now a five division company: Manufacturing for the United States Military, Microscope, Survey, Planetarium and Night Vision. Seiler Instrument is built on quality, honesty and service.

**1913**

Eric H. Seiler enters Zeiss-Jena School of Fine Optics in Jena, Germany and graduates with his Masters in Fine Optics. The Masters in Fine Optics will allow him to train the art of optics to others.

**1945**

After moving to the US and working for 20 years for another optical company, Eric H. Seiler and Dora L. Seiler start their own Optical Equipment and Repair Company in St. Louis, MO.



**1947**

Eric H. Seiler designs his first set of survey instruments for distribution

**1949**

Seiler Instrument was manufacturing over 100 products, confirming the establishment of both the Seiler Manufacturing Division and Survey Division.

**1950**

Seiler Microscope Division is formed to distribute Carl Zeiss (Jena) Microscopes to North America.

**1968**

Seiler Instrument and Manufacturing moves its headquarters from downtown St. Louis to a 50,000 sq. ft. facility in Webster Groves, MO. Seiler later purchases 2 other neighboring facilities for an expansion ultimately totalling around 78,000 sq ft.



**1987**

Seiler Planetarium Division is established, representing Zeiss Planetaria throughout the United States and Canada.

**1999**

Seiler opens the Night Vision Division that would make and distribute day/night vision sniper rifle scopes for the police and US Military.

**2003**

Seiler Instrument and Manufacturing earns the ISO 9001:2000 mark for all of its manufacturing practices to exemplify a worldwide quality standard.

**2009**

Seiler Instrument unifies all of its operations under one roof again with the purchase of a new 150,000 sq. ft. facility located at 3433 Tree Court Industrial Blvd., Kirkwood, MO 63122.



3433 Tree Court Industrial Blvd.  
 St. Louis, MO 63122  
 Toll Free: 800.489.2282  
 Local: 314.968.2282  
 Fax: 314.968.3601  
 Email: [micro@seilerinst.com](mailto:micro@seilerinst.com)  
[www.seilermicro.com](http://www.seilermicro.com)

*Since 1945, A Commitment to Excellence*



*Evolution ZOOM*  
 Surgical Operating Microscope



The Evolution ZOOM is a multidisciplinary surgical microscope designed for:

- ENT Surgery
- Spinal Surgery
- Hand Surgery
- Neuro Surgery
- Reconstructive/Plastic Surgery
- Ophthalmology (utilizing XY function)

The Evolution ZOOM is the perfect choice for any Surgery Center or small hospital. The new Motorized ZOOM and Motorized Focus can now be accessed through a foot pedal or directly on the optic pod while giving the surgeon the best ergonomic position.

- Ear Surgery, Rhinoplasty Surgery and Larynx Surgery will never be easier to perform with the new wide field of view and the deep depth of field.
- Apochromatic lens ensure outstanding color fidelity, razor sharp imagery and unprecedented detail of the skull, spinal canal, tiny vessels and the peripheral nerves.
- New Motorized ZOOM and Motorized Focus allows the ability to perform even the most delicate plastic surgery, hands free.
- Equipped with an optional XY coupling that is automatically set back into the center position by a push of a button, and a special extender so the doctor can sit in a comfortable ergonomic position during surgery.
- Equipped with a standard Halogen lightsource or optional Xenon illumination is excellent for carrying out anastomosis of the capillaries and nerves without distorting their natural colors.
- New Gas Piston Pantographic Arm which allows for smooth and easy movement.
- Special designed Beamsplitter to allow maximum efficiency for all attachments, including Assistant and Binocular Head, Video and Digital imaging.



## FEATURES

- Objective lens: 200m – 400m
- Eyepieces: 10x, 12.5x and 20x
- Field of vision: 14-70mm
- Diopter setting: -6 to +6
- Minimum Interpupillary Distance: 48 to 78mm for the Inclunable Binocular Head
- Illumination field: 70mm
- Illumination brightness in the working area at full power: 80,000 lux (min.)
- Motorized Zoom and Focus function via foot pedal or Optic Pod
- LED Display Control Panel
- 0 – 200° Inclunable Head
- Xenon (optional)
- Standard 2 year warranty with extended warranty optional.

## GENERAL DETAILS

- Vertical Working Height: minimum 0.70m and maximum 1.45m (without XY) (with XY Positioning System, minimum 0.67m and maximum 1.44m)
- Scope Dimensions [Height x Length x Width]: 1.81m x 1.80m x 0.80m.
- Microfocus vertical adjustment limit: 40mm.
- Weight: 103Kg (not including accessories).
- Gross weight including packaging: 170Kg.



2 PEDAL OPTIONS

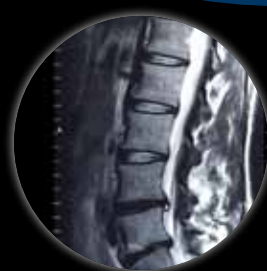


## ELECTRICAL DETAILS

- Power supply: 90 – 240~ – automatic selection
- Power supply to the Video Camera: 12VDC
- Fuses: 5A
- Average Power Consumption: 200W
- Illumination bulb: Philips EIM 21V 150W 50 Dichroic Reflector or similar



Neurosurgery



Spinal Surgery



ENT Surgery



Plastic Surgery

## APOCHROMATIC LENS

ZOOM MAGNIFICATION WITH 250 OBJECTIVE LENS

3X – 24X

70MM – 14MM