

DENTAL PRODUCTS BROCHURE



 **SEILER**
PRECISION MICROSCOPES

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.

1947

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

1950

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

1987

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

2003

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

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.

1949

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

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.

1999

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

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.

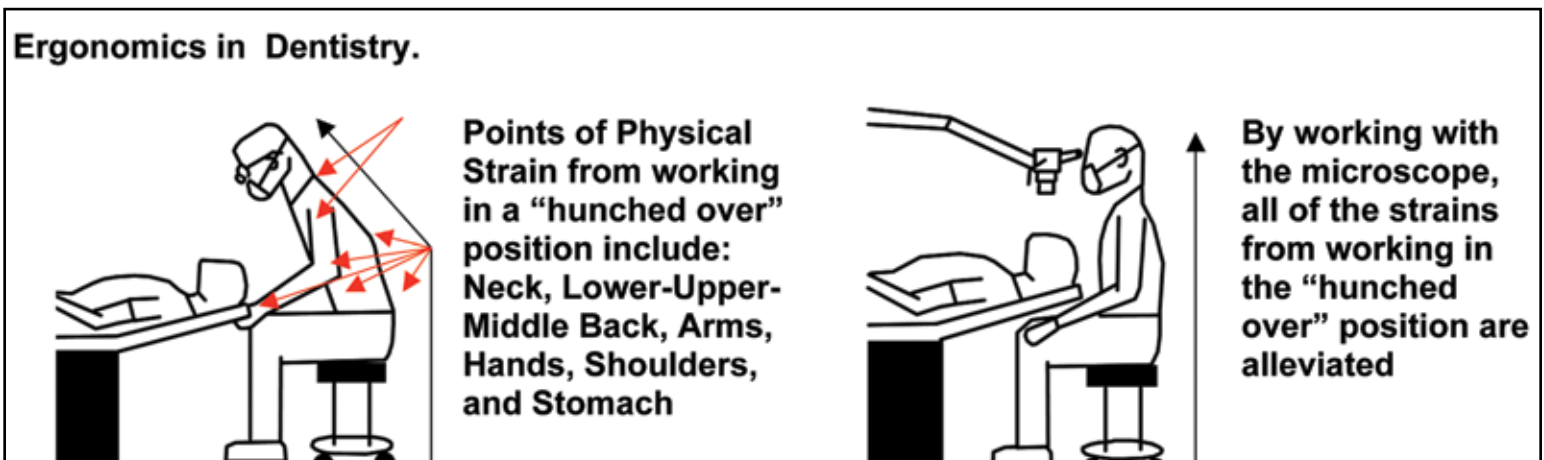


APPLICATIONS

Improved lighting and magnification are the obvious benefits of the Seiler Dental Microscope, but there are additional benefits to microscope use in the areas of Endodontics, General Practice, Periodontics, and Restorative Dentistry.

Common Functions of the Dental Operating Microscope

- Locate and cleanly prepare canals, retrieve broken instruments and aids in identifying additional canals.
- Aids in caries, imperfection, and abnormality detection.
- Provides an ergonomic posture during procedures for the doctor, limiting neck, back, and shoulder fatigue.
- Provides an Ergonomic Posture that will extend the working time of the doctor without fatigue and help alleviate pain from bad posture.
- Minimize the size of the incision at the surgical site to facilitate quick healing and patient comfort.
- Allows high quality restoration, placement of crowns, composite, amalgam, veneers, etc.
- Improves tooth and margin preparations, marginal fit, and closer evaluation of marginal tissues.
- Improves diagnoses and precision in treatment, making difficult cases manageable.
- Video and Digital Cameras can be adapted to fit the scope to provide better patient education, aid in assistant view, and provide documentation of procedures
- Completely clean canals, reshape filling material, and contour implants for an accurate bite.
- Provide precision during suture placement and connective tissue grafts.
- Improves your ability to see, evaluate, diagnose, and operate at the surgical site more clearly.



OPTICAL INTELLIGENCE

SEILER IQ

SEILER IQ Specs:

- 0-220° inclined binocular head
- Counterbalanced pantographic arm
- DUAL LIGHT SOURCE = 50W Metal Halide with backup 12V 100W Halogen
- 10x Wide Field Eyepieces with Dioptic Locks (12.5x and 16x available)
- Choose from 5 mounting options: Floor, Wall, Ceiling, High Wall, and Table
- Infinity corrected/coaxial illumination
- Easily maneuverable optical head with tension control knobs and handles
- Standard Objective lens 250mm
- 3 step magnification turret
- Live video and digital camera options available
- Limited Lifetime Warranty

SEILER IQ Magnification Table

Standard Magnification range with 250mm Objective lens			
	1	2	3
Magnification Range	4.2x	7x	11x
Field of View	42mm	25mm	16mm

SEILER IQ



The Seiler iQ will add optical intelligence to your practice by allowing you to see it and believe it. High quality optics and the brightest standard light source in the market make the Seiler iQ the perfect addition to any operator. The iQ model has a more compact design that allows it to function in any environment, no matter the size constraints. The iQ is also the most affordable high quality 3 step microscope on the market offering all of the accessories of the Evolution Model. Try the iQ in your office and see the Seiler Precision Difference.

Evolution xR6



The Seiler Evolution xR6 offers a new standard to the world of Dental Microscopy. The Evolution has truly evolved the way the dental microscope performs and operates. A specially designed movement; that was specifically engineered for the dental professional, makes the operation of the Evolution xR6 comfortable and straightforward. The Evolution Model also boasts a standard ultra bright 50W Metal Halide light source that is the brightest standard light source in the market with a bulb life of over 1000 hours. In addition to the Metal Halide, every model comes with a standard backup Halogen light source for uninterrupted operation. See how the best optics and best light make the Evolution xR6 the best choice for every operator.

Evolution xR6 Magnification Table

Standard Magnification range with 250mm Objective lens						
	1	2	3	4	5	6
Magnification Range	2.3x	3.2x	5x	8.2x	12.8x	19x
Field of View	72mm	50mm	35mm	20mm	13mm	9mm



Evolution xR6 Specs:

- 0-220° inclinable binocular head
- Large field of view
- 32mm Depth of Field
- Standard 10x Eyepieces
- 6-step turret magnification system
- Dual Light Source: 50W Bright White Metal Halide with a standard 12V 100W Halogen Backup
- True Coaxial through the lens illumination
- Live Video and Digital Camera capable system with accessories
- 10x Wide Field Eyepieces with Dioptic locks (12.5x and 20x also available)
- 250mm Objective lens standard. (175mm-400mm available)
- Mounting Options Include: Floor, Wall, Ceiling, High Wall, and Table
- Limited Lifetime Warranty

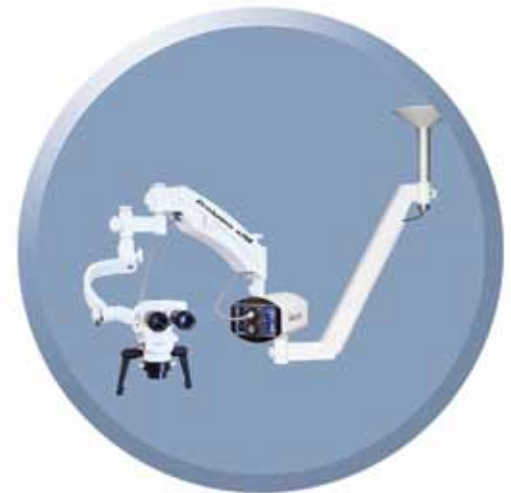
Evolve Your Practice...

MOUNTING OPTIONS

The Seiler dental product line is available in a variety of different mounting options.



WALL MOUNTING



CEILING MOUNTING



HIGH WALL MOUNTING



FLOOR MOUNTING

* TABLE MOUNT (NOT SHOWN)

ACCESSORIES

Seiler offers a full range of accessories to compliment your microscope...

0-180° Inclinable Head – The 0-180 head allows the head to rotate from 0 degrees to 180 degrees to allow the user to have adjustable positioning for the binocular head. A Fixed 45 degree head is also available.

Eyepieces – Seiler Microscopes come standard with either a 10x or 12.5x eyepieces. The configuration depends on the type of microscope that you are working with. There is also an option for a 16x or 20x eyepieces depending on the model.

CCD Color Camera – Seiler offers a high resolution 1 chip CCD Color Camera. This camera is extremely versatile by offering an on screen pop up menu with auto white balance, manual color adjustments and many other on screen options.



Cameras – Seiler products offer camera adaptability. With customizable video and digital camera adapters, Seiler can adapt any camera to the microscope by using a special universal camera adapter. Adaptable cameras include DSLR, Point and Shoot, Camcorders, and CCD Cameras.

Video and Camera Adapters – Seiler offers video and digital camera adapters to allow the addition of a digital camera for still images or a video for a live video option.

Angle Rotation Device – The angle rotation device allows the user to change the direction of the optic pod without changing the direction of the binocular head.



Protective Lens Caps – Protective lenses are used to keep refuse from deflecting off of the objective lens. This keeps the objective from getting cracked or scratched during surgeries.



Objective Lenses – The Seiler scopes come with a standard objective configuration of 250mm. Other objective lengths are available from 175-400mm, which are easily interchangeable. The 250mm lens gives the user about a 10 inch working distance, 300mm=12 inches, 350mm= 14 inches and so on.

STOOL

One of the most important components of the Dental Office is a comfortable ergonomic chair to work in. Seiler Precision Microscopes understands the value of ergonomics and is proud to introduce 3 brand new stools for your office. All three chair models come with extra lumbar support and two adjustable levers for height adjustment and a special comfort adjustment. Add these new chairs to your office to compliment your microscope or for your Assistant and Hygienist...

Surgeon Stool

- Specifically Designed for the General Dentist, Endodontist, and Dental Surgeon in mind
- 2 custom arm cups for fatigue resistance during long procedures
- High quality construction
- Contemporary Design to fit any office or operatory
- A great combination with the Dental Microscope



Assistant Stool

- Designed Specifically for the Dental Assistant's chairside needs
- Extra lumbar and arm support
- Universal Arm Bar that can be changed from Right hand to Left hand with ease.
- 360° foot bar

Hygiene Stool




- Comfortable and affordable
- A high quality option for a hygiene stool
- Contemporary Design



LOUPES





Seiler offers an exceptional variety of Dental Loupes



Colors	Distance	Mag. Range
	340mm (13.4") S	2.5x
	420mm (16.5") R	3.0x
	500mm (19.7") L	3.5x

The Seiler Universal Sport Frames are available in 3 different magnification ranges and 3 different working distances to fit any doctor, hygienist or assistant's magnification needs.

Choose your magnification level, working distance and color and start working...

Colors	Distance	Mag. Range
	340mm (13.4") S	2.5x
	420mm (16.5") R	3.0x
	500mm (19.7") L	3.5x
		



The Seiler Titanium frames are a lightweight option that are perfect for users with a prescription. Add your prescription to these frames and enjoy the enhanced vision.



LED LIGHT

- Light weight and extremely bright are two ways to accurately describe the Seiler Loupe Light.
- 10k lux
- Rechargeable ion battery
- Constant light output
- 15 hours of illumination at max brightness
- Rheostat for brightness control
- Bright white LED light with an operating life of over 50,000 hours
- Affordably priced at \$595.⁰⁰

Visit us at www.seilermicro.com

CORPORATE OFFICE

Dane Carlson

Division Manager

Toll Free: (800) 489-2282 ext. 365

Direct: (314) 218-6365

Email: dcarlson@seilerinst.com

Nicole Rasch

Corporate Account Executive and Marketing

Toll Free: (800) 489-2282 ext. 345

Direct: (314) 218-6345

Email: nrasch@seilerinst.com

Sandra Jeremich

Office Administration/Logistics

Toll Free: (800) 489-2282 ext. 336

Direct: (314) 218-6336

Email: sjeremich@seilerinst.com

TECHNICAL SUPPORT

Tony Leise

Technical Service Manager

Toll Free: (800) 489-2282 ext. 363

Direct: (314) 218-6363

Email: tleise@seilerinst.com

