

SOLUTIONS



**OUR GOAL:
THE BEST SOLUTIONS
FOR THE OPTICAL
INDUSTRY**

QUALITY AND CUSTOMER SUCCESS RATE

The search for innovations in development and production is our focus. Schneider-Kreuznach is synonymous with extremely high product quality, strong customer focus and internationality. We are experts for lenses, optical filters, and imaging systems.

And we have always remained true to our original values at all our sites around the globe. In changing times, we are setting high standards for the benefit of our customers and partners.

WHY SCHNEIDER-KREUZNACH?

Anyone who wants to go to the limit must constantly rethink and innovate. That also applies to manufacturing technology. It is why we – frequently in collaboration with renowned research institutes – are continuously furthering the development of our production technology. That is how we can always manufacture what is still just measurable, to produce the best possible products for you.

If a standard product from our portfolio is not suitable for your challenges, we will manufacture customized solutions for you. Our R&D designs products that fit 100 % the desired application.



MEDICAL

SOLAR INSPECTION

VISION SYSTEMS

DISPLAY INSPECTION

SPACE

FLAT PANEL INSPECTION

SECURITY

INTELLIGENT TRAFFIC SYSTEMS

FOOD INSPECTION

AUTOMATED OPTICAL INSPECTION

RAILWAY INSPECTION

DOCUMENT SCANNING

WEB INSPECTION

STREET MAPPING

ELECTRONICS INSPECTION

3D MEASUREMENT

AERIAL IMAGING

MICROSCOPY

BATTERY INSPECTION

LOGISTICS

FOCUS ON OUR CUSTOMERS

Our experts are close to the customers with their knowledge of trends and current production technologies. We support our customers in realizing their visions and ideas with our support to achieve the best possible result for their vision applications.

Automated optical inspection procedures ensure that manufacturers can deliver flawless goods. This requires the extremely diligent testing of surfaces and a detailed production control. We specialize in high-performance optics which is used in high-resolution applications. In automated optical inspection, the application of our Sapphire and Diamond lenses in the quality control process of OLEDs, LCDs, and PCBs production for up to sub micrometer defect detection is a highlight in the Schneider-Kreuznach portfolio. Biomedical Imaging, 3D Inspection are some applications that benefit from our products.

THE CUSTOMIZED SOLUTION PROCESS



CONSULTING



DEVELOPMENT



PROTOTYPING



WE CREATE SOLUTIONS FOR OUR CUSTOMERS

Beyond our standard range of lenses, optical filters and systems, some projects require customized products. Having development and production on site enables us to serve our customers with the best solution for their most challenging projects. From customized adaptations of our standard products up to the full development of imaging solutions, we collaborate closely with the customer. We design and produce the optics according to your requirements.



WHAT WE OFFER

Whether standard industrial optics or custom-made solutions – we guarantee the absolute precision and uniformity of our products. Mature designs and already legendary optical expertise ensure tailored solutions which combine mechanical robustness, reliability, and maximum precision in reproduction.

It works thanks to our decades of experience with extremely tight tolerances. We even go so far as to develop and produce our own production and measuring systems when there are no such accurate devices on the market.

COMPLETE VERTICAL INTEGRATION

- Production of optics
- Coatings
- Production of mechanics
- Clean room assembly
- Quality assurance

A blue-tinted close-up photograph of a lens assembly. A thin laser beam is focused on the center of the lens, creating a bright, starburst-like light effect. The lens has several rings, and the text "MADE IN GERMANY" is visible on several of them. The background is dark and out of focus.

PORTFOLIO

STANDARD PORTFOLIO

- Large choice of industrial lenses
- Optical filters
- Polarizers

MODIFICATION OF PRODUCTS

- Minor mechanical changes
- Fixed aperture
- Assembly of components

CUSTOM SOLUTIONS

- Lenses
- Optical filters
- Opto-mechanical systems

INDESTRUCTIBLY ACCURATE

In industrial optics, extreme accuracy, robustness and absolute uniformity in production separate the wheat from the chaff. We develop and manufacture special, customized solutions ranging from lenses and optical filters to complete imaging solutions.

The ability of products from Schneider-Kreuznach to master extreme situations is legendary. Therefore, lenses and optical filters from standard series production are also used on space missions.

STANDARD PRODUCTS

- Industrial imaging lenses
- Lenses for large sensors
- SWIR lenses
- Lenses for line scan applications with high magnification
- Telecentric lenses
- Lenses with motorized iris
- Lenses for harsh environments
- Optical filters and polarizers



FIXED APERTURE

MOTORIZED FOCUS

TEMPERATURE COMPENSATED LENSES

SPECIAL FILTER COATINGS

SWIR

VIS

ASSEMBLED SYSTEMS

MOTORIZED APERTURE

NIR

HIGH MAGNIFICATION LENSES

AUTOMATED LENSES

LENSES WITH BEAMSPLITTER

LIQUID FOCUS LENSES

SPECIALS

RUGGEDIZED AND STABILIZED LENSES

We know that precision, quality, and reliability form the basis for long-term optical solutions. Therefore Schneider-Kreuznach is the original manufacturer of ruggedized lenses for industrial applications in harsh environments. In addition to our extensive standard portfolio of ruggedized lenses, we also provide custom lens solutions for even more ruggedized options.

HIGH PRECISION CYLINDRIC LENS ELEMENTS

A cylindric lens element is an optical element with at least one cylindrically shaped surface. Cylindric lens elements are used in optical metrology and laser scanning but also in cinematographic lenses for wide screen imaging and projection.

PRECISE PRE-CUT FILTERS WITH MICRO WATER-JET

Micro water-jet cutting is a non-thermal cutting process. It provides the finest cut surfaces that are not affected by heat. With our micro water-jet cutter almost all shapes of filters can be cut according to your specification.

HEADQUARTERS – EUROPE

Schneider-Kreuznach

Jos. Schneider Optische Werke GmbH
Business Unit Industry
Ringstrasse 132
55543 Bad Kreuznach | Germany

Tel. +49 (0) 671 601 205
isales@schneiderkreuznach.com
www.schneiderkreuznach.com



SUBSIDIARIES

America

Tel. +1 800 645 7239 (East Coast)
Tel. +1 800 228 1254 (West Coast)
info@schneideroptics.com

Asia

Tel. +86 755 8832 1170
info@schneider-asiapacific.com

Jos. Schneider Optische Werke GmbH
is certified according to DIN ISO 9001.

We accept no responsibility for any errors
and reserve the right of modification without
further notice.

