



The Jenoptik Group at a Glance



Images: Fotolia

Who we are

As an integrated photonics group, Jenoptik divides its activities into five divisions: Optical Systems, Healthcare & Industry, Automotive, Traffic Solutions and Defense & Civil Systems. Jenoptik has more than 3,500 employees worldwide.

Its customers around the world mainly include companies in the semiconductor equipment manufacturing industry, automotive and automotive supplier industry, medical technology, security and defense technology as well as the aviation industry.

The Jenoptik Group headquarters are in Jena (Thuringia). In addition to several major sites in Germany Jenoptik is represented in about 80 countries worldwide, for example with production and assembly sites in the USA, France, China and Switzerland. Additionally, the group is represented abroad by shareholdings in Australia, Brazil, the Czech Republic, India, Korea, Japan, Malaysia, Mexico, the Netherlands, Russia, Singapore and the United Kingdom.

JENOPTIK AG is listed on the Frankfurt Stock Exchange and included in the TecDax index.

Who we look for and what we offer

WORKING with us means to discover strengths.

Whether as an expert with economic or technical training, as a graduate or as a manager: Jenoptik offers you an international and innovative environment, interesting projects and attractive prospects. There is an abundance of new challenges and numerous opportunities to apply your skills. We also support our employees with individual advanced training opportunities and a good work/family balance.

GETTING ON BOARD with us means to achieve goals.

You want to promote your own ideas and accept challenges requiring motivation, dedication and team spirit? As a global company we offer a dynamic work environment with interesting tasks and exciting development opportunities.

TRAINING with us means to experience individuality.

Our professional opportunities are as diverse and exciting as our products and technologies. Whether in the technical or economic sector, we offer professional training which suits you and secure entry into employment.

Theoretical training or practical work experience? Do you have to choose between academic studies and training? Jenoptik takes this decision for you: When studying at a university of cooperative education you will be integrated into everyday working life from day one and be given the opportunity to apply your theoretical knowledge.

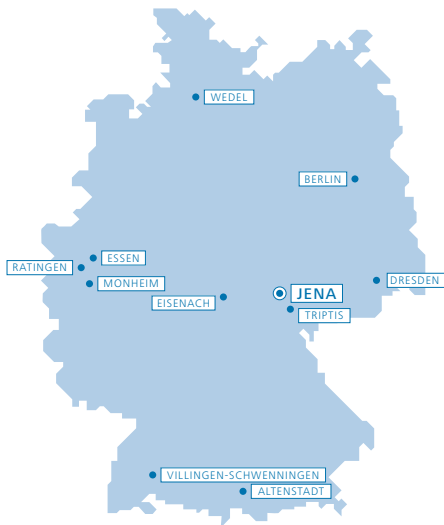
TRAINEESHIP with us means rising with the challenges.

It is not always easy to find your place in your career. Internships provide initial orientation. But in order to translate theoretical knowledge into practical experience, we offer you the opportunity to gain an initial insight into our companies and to test your individual skills in corporate practice. Whether as a trainee, working student, bachelor or master student: you will be involved in projects in which you will work independently and contribute actively to the success of your team.

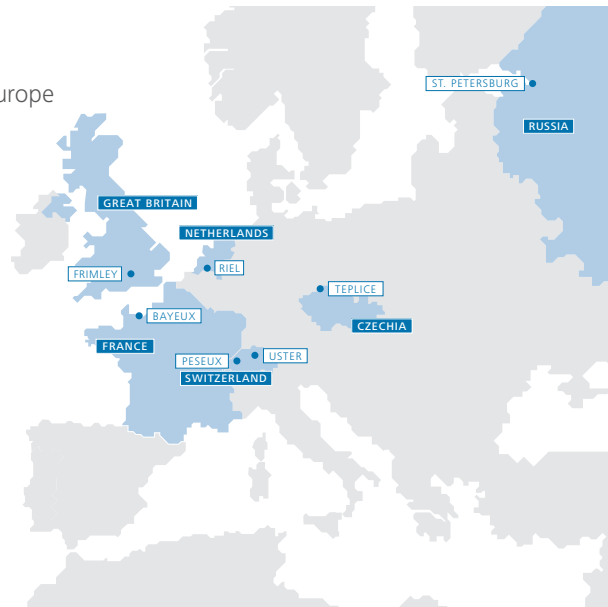
Please visit www.jenoptik.com/careers for more information and current job offers. Take the initiative.

Locations of the Jenoptik Group

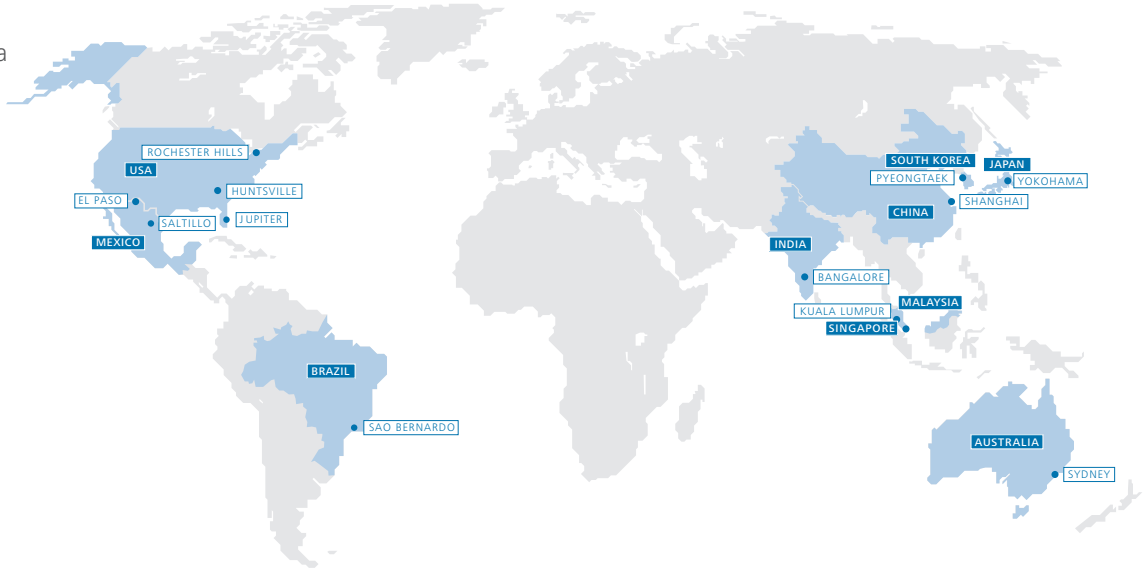
Germany



Europe



America and Asia



Optical Systems division

With its Optical Systems division Jenoptik is one of the few development and production partners worldwide for optical and micro-optical systems and precision components designed to meet the highest quality standards. The division offers solutions for optical glass, fused silica and crystals, infrared materials as well as plastic that can be coated in wavelengths from far infrared (FIR) to DUV. Jenoptik also possesses outstanding expertise in the development and manufacture of micro-optics for beam shaping used in the semiconductor industry and laser material processing. The product portfolio

of the division also includes solutions for optical information and communication technologies, as well as defense and security.

BUSINESS UNITS:

- Optics
- Microoptics
- Emerging Business

OPTICAL SYSTEMS

DIVISION _____

PRODUCTS:

- Optical, optomechanical and optoelectronic systems, modules and assemblies from DUV to FIR
- Diffractive, refractive and hybrid micro-optical modules and components
- Objective lenses for the semiconductor equipment industry and laser material processing

MARKETS:

- Semiconductor equipment industry
- Optical information and communication technologies
- Others: laser material processing, security and defense technology, healthcare and entertainment



Healthcare & Industry division

In the Healthcare & Industry division Jenoptik develops specific system and application solutions for customers worldwide in the healthcare sector and industry. The focus is on medical technology and life science as well as laser, automotive and lighting applications. The product portfolio includes semiconductor chips, optoelectronics, laser technology, polymer optics, electronics and software. Jenoptik combines them to OEM system solutions and products for the life science industry, such as analysis and treatment systems for research, clinical applications, and patient self-diagnosis. For industrial applications, Jenoptik offers high-performance optoelectronic components and modules as well as integrated solutions. They include complex components for head-up displays, innovative lenses for driver assistance systems and polymer optics for

machine vision or augmented reality applications, but also powerful, energy-efficient industrial LED lighting. In the area of industrial lasers for laser material processing, Jenoptik is active in the entire laser value creation chain.

BUSINESS UNITS:

- Healthcare
- Industry

PRODUCTS::

- Diagnostic and imaging systems (for ophthalmology, endoscopy)
- Microscope cameras, components and application software
- Monitoring and analysis systems (for genome sequencing, spectroscopy)

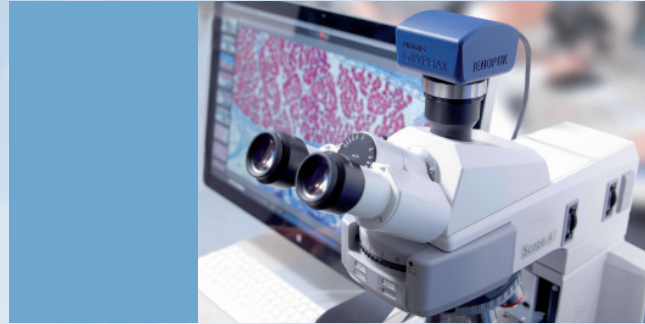
ARE & INDUSTRY

DIVISION _____

- Medical lasers (for ophthalmology, dermatology)
- Components and modules for driver assistance systems (for head-up displays)
- Environmental sensor systems
- Industrial lasers for laser material processing
- Components and modules for lighting solutions (i.e. LED)

MARKETS:

- Medical technology/Life Science
- Digital imaging
- Automotive and laser technology
- Machine vision and sensors
- Lighting
- Entertainment electronics



Automotive division

With its Automotive division Jenoptik is one of the leading manufacturers of metrology and laser processing systems for manufacturing processes in the automotive industry. The Metrology portfolio includes high-precision contact and non-contact production metrology for a wide range of measurement tasks such as the pneumatic, tactile or optical testing of roughness, contour and form, as well as determining dimensions throughout all phases of the production process and in the metrology lab. The Metrology product range is rounded off with a comprehensive service offering advice, training and customer service, as well as long-term maintenance agreements. In the area of Laser Processing, Jenoptik develops 3D laser systems and machines that are integrated into production lines for our customers as part of their process

optimization and automation. These systems are used for processing plastics, metals and leather with maximum efficiency, precision and safety. The portfolio is complemented by energy-efficient and environmentally friendly exhaust cleaning systems for laser and other industrial processes.

BUSINESS UNITS:

- Metrology
- Laser Processing

PRODUCTS:

- High-precision gauging devices and machines for the optical, pneumatic and tactile measuring of:
 - roughness and contour metrology, form metrology
 - optical shaft metrology

AUTOMOTIVE

DIVISION _____

- dimensional metrology
- In-process metrology
- After-sales business for the product lines mentioned above
- Efficient, precise and safe 3D laser processing systems:
 - for cutting, welding and perforating of plastics, metals, leather and semiconductor materials
 - for the energy-efficient and environmentally friendly removal of pollutants in industrial processes

MARKETS:

- Automotive
- Machine construction/machine tool manufacturers
- Healthcare/medical technology
- Electrical engineering, semiconductor industry
- Aerospace



Traffic Solutions division

The Traffic Solutions division develops, manufactures and distributes components, systems and services which contribute towards greater road traffic safety throughout the world.

Based on the proven Robot Technology, the market-leading product portfolio comprises comprehensive systems relating to all aspects of road traffic, such as speed measurement and red light monitoring systems, OEM (Original Equipment Manufacturer) products and systems for the detection of traffic violations. Expertise extends to measuring average speed over a

defined section of road (section speed control) and automated number plate recognition (ANPR). In the service field we cover every aspect of the traffic safety process chain – from system development, production and installation of the monitoring infrastructure, image capture and automated processing.

BUSINESS UNITS:

- Equipment
- Traffic Service Provision

FFIC SOLUTIONS

DIVISION

PRODUCTS:

- Systems and components (OEM components, cameras, sensors, classifiers)
- Modular systems for traffic monitoring (red light, speed, car classification)
- Service (service providing models, outsourcing solutions, consultation)
- Operator software to support the whole process

MARKETS:

- Traffic safety and monitoring technology



Defense & Civil Systems division

The Defense & Civil Systems division develops and produces mechatronic and sensor systems for civilian and military applications. The portfolio ranges from individual assemblies, which customers then integrate into their systems, through to complete systems and end products. The division's areas of competence are energy systems, optical sensor systems, stabilization systems, aviation subsystems as well as radomes & composites. Top-quality customer service ensures that the products are supported over their useful lives, which generally extend over many years.

The mechatronic products include diesel-electric gensets, electrical machines such as alternators, electric motors or converters, power electronics, heating systems and control units as

well as lift systems and rescue hoists. They are used in drive, stabilization and energy systems for military and civilian vehicle, rail and aviation equipment. The competencies also extend across the technical focus areas of software development, metrology and control systems. The sensor systems include infrared camera systems and laser rangefinders and are primarily used in automation technology, environmental metrology, security technology and military reconnaissance.

BUSINESS UNITS:

- Aviation
- Energy & Drive
- Power Systems
- Sensors

& CIVIL SYSTEMS

DIVISION _____

PRODUCTS:

- Electrical energy supply systems (genset, alternators, rotation converter and power electronics)
- Electro-mechanical drive and stabilization systems (electric motors, gun turret drives and sensor platforms)
- Aviation system (heating and lift systems, rescue hoists and radomes)
- Electro-optical sensors (laser distance sensors, infrared cameras and reconnaissance devices)

MARKETS:

- Security and defense technology
- Aviation
- Rail transportation industry
- Industry and automation technology



1990 to 1995

In 1990, the German privatization agency (Treuhandanstalt) acquires the VEB Carl Zeiss Jena combine. In 1991, the two companies Carl Zeiss Jena GmbH and JENOPTIK GmbH are founded from the original combine. Jenoptik takes over the opto-electronics, system engineering, and precision manufacture business units. For the purpose of establishing business, Jenoptik starts joint ventures and acquires companies with established structures of distribution and international presence.

1996 to 2002

JENOPTIK GmbH becomes a public limited company in 1996 and is structured into the four business units Photonics, Clean Systems, Telecommunications and Asset Management.

In 1998, JENOPTIK AG is listed on the Frankfurt Stock exchange. Jenoptik acquires ESW Extel Systems Wedel, which represents the major part of the Defense & Civil Systems division today. Jenoptik acquires Robot Foto und Electronic GmbH and becomes one of the world's leaders in traffic monitoring. It also acquires the metrology specialist Hommelwerke GmbH.

2003 to 2006

With the sale of the Clean Systems business, Jenoptik sells about 85 percent of revenue in 2006 and focuses on the traditional core businesses of lasers, optics, sensor systems, and mechatronics. The acquisition of Etamic S.A. in industrial metrology complements this portfolio. Jenoptik inaugurates two new facilities in Berlin and Triptis (Thuringia).

2007 to 2008

Jenoptik begins with a comprehensive reorientation, being transformed into a strategic holding company. Operating businesses are organized into five divisions as of January 1, 2008.

2009 to 2014

Jenoptik strengthens its global presence, notably in China and Korea, and opens a new laser application center in South Korea. The Asian business is concentrated in a holding company in Singapore, the US optics business in Florida. New representative offices are opened in Brazil. Jenoptik raises its share in a Dutch and an Indian joint venture to 100 percent each.

At the end of 2010, Jenoptik sells its space business to EADS.

Jenoptik strengthens its leading role in the traffic-safety market by acquiring an Australian and a British manufacturer of traffic-safety equipment.

2015 to 2016

As of January 1, 2016 Jenoptik realigns its business more closely to its target markets and is organized in the divisions of Optical Systems, Healthcare & Industry, Automotive, Traffic Solutions and Defense & Civil Systems.

Hans-Dieter Schumacher becomes the new CFO in April 2015 alongside the President & CEO Michael Mertin. The Supervisory Boards elects Matthias Wierlacher from Thüringer Aufbaubank as new chairman of the board.

Editor

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