



Jenoptik at a glance

2020

## Who we are

We use the potential of light not only to advance our customers on global markets, but also to help shape changes in our society.

Jenoptik is a globally operating technology group, which is active in the three photonics-based divisions Light & Optics, Light & Production and Light & Safety as well as with VINCORION for mechatronics solutions.

Optical technologies are the very basis of our business with the majority of our products and services being provided to the photonics market. Our key target markets primarily include the semiconductor equipment industry, the medical technology, automotive and mechanical engineering, traffic, aviation as well as the security and defense technology industries.

The Jenoptik Group is headquartered 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, the United Kingdom, China and Switzerland.

Additionally, the Group is represented abroad by shareholdings in Australia, Brazil, Czech Republic, India, Japan, Korea, Mexico, the Netherlands, Singapore and Spain.

**JENOPTIK AG** is listed on the Frankfurt Stock Exchange and included in the SDax and TecDax indices.

## Structure



## Become a JENIUS.

At Jenoptik, people with the specific JENIUS attribute are changing the world with the power of light. That demands a spirit of exploration and dedication. If you're one of us, come meet the challenges facing the world. At Jenoptik, we're creating a better future for all of us.

**Personal development:** Broaden your horizon with Photonics.  
Be a JENIUS.

To us individuals and their wishes matters. We have the size where the individual has impact and wishes are heard. At the same time we are big enough to offer prospering and attractive careers.

**Diversity:** Connect people all over the world with the power of light.  
Be a JENIUS.

We are operating in a variety of markets and deal with a wide range of technological solutions. To deliver best solutions we live and foster an interdisciplinary and intercultural environment.

**Global business:** True global thinking for the next leap of humanity.  
Think like a JENIUS.

Our headquarters are in Jena, but our hearts are where our customers and markets are, and they are all over the globe.



Dream bigger than yourself.  
Explore the unknown.  
**Become a JENIUS.**



**Social responsibility:** Engage and change the world to a better place. Engage like a JENIUS.

We contribute actively to a better society in order to make the world a better place. Therefore we support many local and regional activities that help to strengthen social bond and promote arts and culture as well as education.

**High tech and future:** Create a better future with the power of light. Create like a JENIUS.

We are a leading high tech company, we are working on mega trends. We go to the limits of physics. Our purpose: shaping the futures and making them a better place with the help of photonic technologies.

**Stability and growth:** Work independently. Design sustainably. Work like a JENIUS.

We are an independent company and a strong representative of the German Mittelstand. Based on our strength we want to grow further, by developing with the help of photonic technologies solutions for the needs of our clients.

Contribute with your bright ideas. Become a JENIUS.

**Student | Graduate | Professional**

More information about starting work at Jenoptik and open positions: [www.jenoptik.com/career](http://www.jenoptik.com/career) and on LinkedIn.

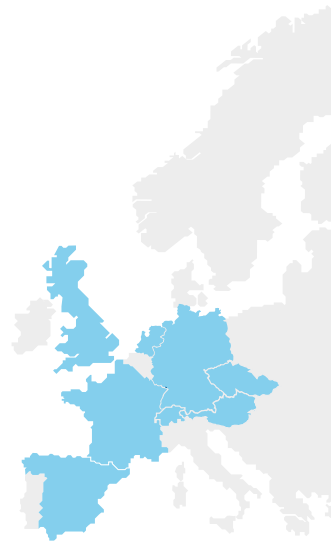
## Main locations

### Germany



- Altenstadt
- Berlin
- Dresden
- Essen
- Jena
- Monheim am Rhein
- Triptis
- Villingen-Schwenningen
- Wedel

### Europe



- Austria
- Vienna
- Czech Republic
- Teplice
- France
- Bayeux
- Great Britain
- Camberley
- Netherlands
- Riel
- Spain
- Valladolid
- Switzerland
- Peseux | Uster



JENOPTIK GROUP

North America

Canada  
Toronto  
Barrie

Mexico  
Saltillo

US  
El Paso (TX)  
Fremont (CA)  
Huntsville (AL)  
Jupiter (FL)  
Rochester Hills (MI)

South America

Brazil  
São Bernardo  
do Campo

Asia /  
Pacific

Australia  
Sydney

China  
Shanghai

India  
Bangalore

Japan  
Yokohama

Singapore  
Singapore

South Korea  
Pyeongtaek

## Light & Optics division

The Light & Optics division is a global active OEM supplier of solutions and products based on photonics technologies. Jenoptik provides a broad portfolio of technologies combined with deep experience of more than 25 years in the fields of optics, laser technology, digital imaging, optoelectronics and sensors. Our customers are leading machine and equipment suppliers working in areas such as semiconductor equipment, laser material processing, healthcare & life science, industrial automation, automotive & mobility and safety, as well as in research institutes.

As a development and production partner, the Light & Optics division focuses on advancing cutting edge technologies to improve our customers' system performance and ultimately realize product outcomes that reach new heights enabled by our highly-integrated photonic solutions. The systems, modules and components based on photonics technologies help our customers overcome their future challenges.

## 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
- Diagnostic and imaging systems, microscope cameras
- Analysis systems (for genome sequencing)
- Industrial and medical lasers (for ophthalmology, dermatology)
- Components and modules for driver advanced assistance systems (ADAS) and lighting solutions
- Sensors, laser distance sensors, infrared cameras



## Markets

- Semiconductor equipment industry
- Information and communication technologies, consumer electronics
- Medical technology / Life Science
- Digital Imaging
- Automotive and laser technology
- Machine vision and sensors
- Security and defense technology

## Light & Production division

The Light & Production division is a global specialist in the optimization of manufacturing processes. Our many years of experience and know-how in the field of industrial measurement technology and optical inspection, modern laser-based material processing and highly flexible robot-based automation enable us to develop tailor-made manufacturing solutions for our customers in automotive, aerospace, healthcare and other manufacturing industries.

We are an established key supplier in the global automotive market. Every day we face the modern challenges regarding flexibility, productivity and increasing variety and thus cover the growing demand for complex industrial solutions with a focus on machine integration and process automation. As a development and optimization partner, we support our customers in their strategic challenges by combining our key technologies, thus taking market- and customer-specific systems to a new level.

## Products

Gauging devices and metrology for optical, pneumatic and tactile measuring:

- roughness and contour metrology, form metrology
- optical shaft metrology
- dimensional metrology
- in-process metrology

3D laser machines for material processing:

- for cutting, welding and perforating of plastics, metals and sensitive materials such as leather
- including machines for energy-efficient, environmentally friendly removal of pollutants in industrial processes

Automation solutions for manufacturing environment

- machine integration, process automation, material handling systems

## Markets

- Automotive
- Machine construction /  
machine tool manufacturers
- Electrical engineering
- Aerospace



## Light & Safety division

The Light & Safety division provides innovative and industry-leading solutions for road safety and public security. Our customers include local and central government, police and enforcement agencies, as well as public and private organizations.

Automatic number plate recognition (ANPR/ALPR) is at the core of our product portfolio, covering a diverse range of applications such as average speed enforcement (section speed control), vehicle monitoring, red light violations and tolling. Our services range from initial consultation, design and manufacture through to installation and on-going maintenance. We also offer a variety of data management solutions and services for automated data processing, reporting and analytics as well as system integration.

With a presence in more than 80 countries, supported by a strong partner network, we have delivered over 30,000 systems for traffic

law enforcement worldwide. Jenoptik's Light & Safety division is a world-leading supplier, with products and services constantly evolving to help make roads, journeys and communities safer around the globe.

### Products

- Systems and components (cameras, sensors, classifiers)
- Modular systems for traffic monitoring (red light, speed, car classification)
- Solutions for toll enforcement
- Automatic number/license plate recognition (ANPR/ALPR)
- Mobile alerting and search applications
- Service (service provision models, outsourcing solutions, consultation)
- Operator software to support the whole process



## Markets

- Traffic safety and monitoring technology
- Toll enforcement
- Civil security

## VINCORION

VINCORION is the brand that brings mechatronics businesses and products to customers in the defense and aerospace industries.

VINCORION can look back at 60 years of successful business history as a supplier to the aviation, defense and security technology, and railway industries. Based on its own product platforms, VINCORION develops and produces tailored solutions that meet the specific requirements of its customers.

Its portfolio includes individual assemblies that customers can integrate into their end products, as well as complete systems and end products. Its areas of expertise are energy and drive systems,

stabilization systems, and aviation systems. VINCORION's competent customer support team offers support and service throughout the many years of use of its own products and those of third parties.

### Products

- Electrical energy supply systems (gensets, 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)





## Markets

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

### 1990 – 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. 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 – 2002

JENOPTIK GmbH becomes a public limited company in 1996 and restructures itself. In 1998, JENOPTIK AG is listed on the Frankfurt Stock exchange. Jenoptik acquires ESW-Extel Systems Wedel, today VINCORION. 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.

### 2003 – 2006

With the sale of the Clean Systems business, Jenoptik 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 – 2010

Jenoptik begins with a comprehensive reorientation, being transformed into a strategic holding company. Jenoptik strengthens its global presence, notably in China, and opens a new laser application center in South Korea.

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

### 2011 – 2015

The US optics business is consolidated in a holding company in Florida, while US optics manufacturing is concentrated in two locations. A new representative office is opened in Brazil.

Jenoptik raises its share in a Dutch and an Indian joint venture to 100 percent each. Jenoptik strengthens its leading role in the traffic-safety market by acquiring an Australian and a British manufacturer of traffic-safety equipment.

### 2016 – 2017

Jenoptik celebrates its 25th corporate anniversary in June 2016. In 2017, Jenoptik moves into its new technology campus in Rochester Hills, Michigan. In Jupiter, Florida, Jenoptik expands its clean room space for optical systems manufacturing while also opening a new location in Fremont, California. Jenoptik acquires the British software company ESSA Technology and the US company Five Lakes Automation, a specialist for process automation.

### 2018 – 2020

By acquiring Canada-based Prodomax Automation and the Spanish company INTEROB, Jenoptik taps growth potential in advanced manufacturing. The acquisition of the OTTO Group in Jena helps expand the position as systems provider of production metrology. At the Berlin site Jenoptik is modernizing its production for high-power laser diodes.

In 2019, Jenoptik reorganizes its structure into three photonic divisions as well as VINCORION for the mechatronic business.

Jenoptik invests in its industrial metrology and opens new production facilities in Bayeux, France and Villingen-Schwenningen, Germany.

Jenoptik takes over a long-standing joint venture in Japan completely.

## Editor

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