Precision is your top priority.
We provide it.
The moment you inspire your customers with technology from ZEISS.

This is the moment we work for.
At your service: Our expertise

More precision, and all with outstanding speed, flexibility and reliability: your customers expect products of the highest quality. We can also play our part in achieving this goal.

For over 160 years now, ZEISS has been challenging the limits of man’s imagination. Customers use our solutions under extremely tough conditions: in the Arctic Circle, in the depths of the oceans, in the air and even in outer space.

These systems are the result of one of the world’s highest concentrations of expertise and know-how in the field of opto-mechanical systems and precision components. Use our solution and manufacturing competencies – from the initial product idea right up to its implementation and market launch. Benefit from our many years of experience.

For technical details and more specifications please visit our website at www.zeiss.com/czjena

The fascination of precision

Inspire us with your idea and we will ensure that it is implemented! We will address your wishes personally and individually, take every aspect into account and focus sharply on the benefits which we can offer you. Thanks to our expert knowledge, we can efficiently support the product generation process for highly advanced optical components. You can optimally benefit from the experience gained by our in-house departments responsible for the development of tools and measuring technology. We can manufacture and measure extremely complex, single optical components in any form using exotic materials with highly complex coatings.

Transparency – and not only in the material

All our products can be delivered with the raw material and production data on a very individual basis. For some of our customers, this data forms the basis of excellent process efficiency. The use of ERP and MES software systems allow our manufacturing process to be measured and planned.
The first step

**Do you have a vision?**
We’ll help you implement it!

If you know exactly what you need, we can start the production right away.

If you need help or advice, our specialists from the development, design, production and sales departments will support you with their many years of experience and expert advice right from day one.

In our close dialog with you, we will find a fast solution to your needs – and that’s a promise!

Core competencies

**The performance limits of our competitors are our standards.**

Thanks to our close dialog with customers, together with our collaboration with international research institutes and the development divisions of the Carl Zeiss Group, we already work today on tomorrow’s optical technology.

Needless to say, we master the complete manufacturing spectrum of high precision products in spherical and plan optics. So does our supplying network. Visit our website for tolerance and specification information.
Large optics

The name ZEISS has always stood for the highest level of quality in the field of astronomy optics. This is reflected in the ongoing development of more and more precise surfaces in combination with increasingly lightweight and highly reflecting coatings.

Our long-term partnerships with scientific and research institutes are your guarantee of success.

Aspheres and freeform surfaces

New process and measuring technology permits the production of precision aspheres and freeform surfaces in the high-end range.

In particular, our expertise in the production of freeform surfaces has been systematically expanded during the past few years by combining our own technological developments with state-of-the-art, commercially available measuring and process technology.

Deterministic, local polishing correction procedures guarantee maximum form accuracies in a serial process. This allows us to implement optical systems with freeform surfaces for our clients.
Microoptics and optical coatings

Microoptics
We use our expertise in microoptics manufacturing for the serial production of dispersion gratings that meet even the highest demands in spectroscopy.

The holographically and mechanically ruled gratings and their replications are characterized in particular by their minimal scatter across all spectral ranges – from near infrared and the visible spectrum right up to X-ray radiation.

Optical coatings
With the production of sputtered surfaces, ZEISS meets the requirements of current and future specifications and provides the maximum precision they require. The highly complex coating structures produced in this way cannot be achieved with traditional vacuum deposition technology.

Process management and quality assurance

Take advantage of the efficient matching and coordination of our processes along the entire value chain. From material procurement and production to packaging and delivery, we strictly adhere to the stipulations of the Integrated Management System. We are accredited according to DIN EN ISO 9001, DIN ISO 14001 and OHSAS 18001.

Our components are subjected to extremely stringent quality inspections at every stage of production.

Tools:
- Measuring system monitoring through control card standards
- Online monitoring of critical entry parameters
- Identical reproduction of auxiliary materials through validated processes
- Continuous improvement process
- Implementation of SIX SIGMA

We use the expertise of our accredited ZEISS Jena quality lab to inspect the quality of the materials we employ, including the calibration of the testing and measuring devices utilized.

Process engineering
As a manufacturing company using leading, cutting-edge technology, we constantly enhance our production technologies and work methods. We use state-of-the-art methods and instruments for process engineering. We would be pleased to demonstrate our expertise to you, e.g. in a personal consultation about new manufacturing possibilities now available.

We plan, manage and document a production process which is sharply focused on your individual stipulations and requirements.