Core competencies of the Swiss Spectros AG are the manufacturing of high-end optical and mechanical components and the assembly into top-quality optical systems. Thanks to their all-over competencies the specialists design and realize these systems on the one hand for medical devices of the company Haag-Streit, to which the Ettingen-based experts belong, on the other hand for a wide range of industrial sectors, e.g., laser and metrology technology, machine vision, geodesy and sensor technology.

The qualified specialists advise their customers concerning the selection and the design of individually optimized optical systems. They deliver everything needed from a single source: design, optics, mechanics and assembly to ready-to-install units. This minimizes the through-put-times from an inquiry to the operative system. For highest quality Spectros has coordinated all the manufacturing and assembly processes. Optical systems made by Spectros meet the most stringent demands concerning technology and quality. The experts manufacture the precision optics from all optical glasses, silicon and quartz crystal, circular from 3 to 120 mm in diameter, flat from 8 to 80 mm in length and width and cubical optics in any customized dimensions.

To realize best imaging properties and highest surface quality the specialists use sophisticated technology in grinding and polishing including 4-axis-CNC-controlled processing as well as e.g., thin film technologies for non-reflecting and semitransparent coatings. The experts manufacture according to standardized as well as to customized specifications from single piece to series up to more than 10'000 parts annually. Spectros serves as your competent partner who is responsible for the entire optical system.