

Angled Optic with Quartz Image Bundle



Industrial stand: 02/2003



The Schölly angled optic based on quartz image bundles makes it possible to produce endoscopes with 90° deflection with an extremely small radius. By means of a new procedure during the bending process, optical solutions can be realized in very small dimensions that have so far only been possible with big and complex prism optics. In addition, contrast and definition is higher in comparison with the values in conventional systems.

Data

- Rigid and flexible endoscopes can be made in thin dimensions with 90° ocular or 90° deflected endoscope shaft
- An arrangement of several image bundles within an endoscope tube is possible.
- High-contrast images if quartz image bundles with 10,000 or 30,000 pixel are used.
- It is possible to integrate angled endoscopes optimally into machines even if there is only little space for it.
- The length of the shaft and the position of the bend can be freely determined by the client.
- Objectives with direct view or with 90° side view can be used.