

POLYDIAGNOST

SPECIAL SOLUTIONS FOR INDUSTRIAL
APPLICATIONS

SEMI-RIGID MICROENDOSCOPES

- ENT/Sialendoscopy and sinuscopy
- Gynecology/endoscopy of the milk ducts
- Maxillofacial/TMJ/arthroscopy and arthrocentesis
- Ophthalmology/lacrimal duct endoscopy
- Fistuloscopy
- Arthroscopy of small joints

POLYDIAGNOST develops customized special solutions for industrial applications, for example highly acid-resistant flexible endoscopes for the energy industry, very long endoscopes for aviation and special endoscopes for interference-free acquisition of electronic signals in hard-to-reach places.

MICROPERC® – the miniaturization of percutaneous nephrolithotomy (PCNL), POLYDIAGNOST sets the benchmark in minimally invasive percutaneous nephrolithotomy (PCNL) with the miniaturized ALL-SEEING-NEEDLE® and the further developed MICROPERC®.

With the highly specialized MICROPERC®, POLYDIAGNOST also pursues the modular concept, which keeps all options of percutaneous fragmentation of kidney stones open with the proven modular system, constantly taking patient safety into account.

The precious MICROPERC® optics with the proven POLYSCOPE objective, which reflects the peripheral and directional vision of the human eye with its 120° field of vision, allows controlled therapy and a simple scan of the surrounding area at the end of the procedure to verify that there are no stones. This optic meets the highest hygiene standards thanks to the absence of lumens. Small lumen elements are consistently supplied as sterile single-use products.

However, MICROPERC® is much more than the miniaturization of percutaneous nephrolithotomy. Other possible applications in gynecology, but especially in pediatric and prenatal interventions, have already contributed to significant improvements in the quality of life of mother and child and to reducing the burden on the healthcare system. However, due to regulatory hurdles and low case numbers, these application areas are only available to experienced off-label users in Europe.

MICROPERC® can be connected to all standard endoscopic towers and thus easily expand the range of instruments for the management of kidney stones. POLYDIAGNOST also offers its own cameras optimized for use in microendoscopy.

