



POLYDIAGNOST



The Semi-Rigid Micro-Endoscope



POLYDIAGNOST

Semi-rigid micro-endoscopy – a term of the medical world, the reach of which beyond the field of urology was significantly determined by PolyDiagnost.

The modular concept of this endoscopy system features a kit, with which the user can customise the endoscope by a simple selection of modules. Patient safety, legal certainty for the user and the permanent availability of endoscopy were first priority in the planning of this concept. In addition, the modularity allows for interdisciplinary use, a consideration that satisfies the current environment of medical procurement.



POLYDIAGNOST

The use of one sterile working and irrigation channel per application neutralises a critical part of processing. The valuable optics are reusable, they are lumen-free and their sterilisation is therefore reliable.

Switching between the channels for diagnosis and therapy takes mere seconds. The kit also contains miniaturised instruments, several of which allow for unique procedures to be performed. With this, PolyDiagnost follows a holistic vision. The portfolio contains all the modules required for you to compose your individual kit. It can be complemented and extended at any later time.

Application areas

Gynaecology – milk duct endoscopy
Otolaryngology – sialo endoscopy
Oral and maxillofacial / mandibular
surgery –arthroscopy
Ophthalmology – tear duct endoscopy



Investment protection

PolyScope can be connected to all common endoscopy towers.

Electronic

PolyDiagnost also offers proprietary cameras, light sources and irrigation pumps, which were optimised for the use in micro-endoscopy.



POLYDIAGNOST

The Core Modules

Reusable optics with lenses which mirror the human peripheral and focus vision by offering visual fields of 70 to 120 degrees.

Targeted diagnosis / therapy and simple scanning of the environment at the point of use are possible. The optics have resolutions of 3,000, 6,000 and 10,000 pixels and are protected by a nitinol case.

When combined with the optic, the sterile PolyShaft® working and irrigation channel becomes the endoscope and is available in various lengths and diameters. Each of them are fitted to the intended use. PolyShaft® diameters are available starting at 0.75mm.



POLYDIAGNOST

All The Benefits at a Glance

All diagnostic and interventional options are made possible quickly and safely with only one endoscope.

The possible diagnostic and interventional measures are determined by the diameter and working length of the optic and the endoscope shaft, the "PolyShaft®". The shaft can be quickly replaced during the procedure with minimal effort.

PolyShaft® comes as a sterile, single-use product.





POLYDIAGNOST

Technical Data

Image control system and field of vision

10,000 pixels / 120° 6,000 pixels / 70°

Working length 151 mm

Standard light connection ACMI

Integrated fibre-optic lighting

Nitinol-reinforced optic





POLYDIAGNOST

PolyDiagnost GmbH
Am Söldnermoos 17
D – 85399 Hallbergmoos

Tel. +49 (0) 811-99873380

info@polydiagnost.com