

BIPOL

PRO B

Micro

PRO B Micro – Ultra-Fine Videoscope for Precision Inspection

The BIPOL PRO B Micro is a compact industrial videoscope specifically designed for visual inspection through extremely small access points, micro-bores and narrow internal channels.

Available with ultra-fine flexible probes in Ø 0.95 mm and Ø 1.2 mm, the PRO B Micro provides access to areas that cannot be inspected with conventional industrial videoscopes. It is particularly suitable for applications in precision engineering, aerospace, automotive, electronics and additive manufacturing.

Due to their extremely small diameter, the micro probes are non-articulating and feature a 0° forward-view camera. Integrated illumination provides clear visualization inside confined and difficult-to-access areas.

Images and videos are displayed on the 5" screen of the PRO B control unit and can be recorded for inspection documentation and subsequent analysis.

Key features: Ø 0.95 mm and Ø 1.2 mm flexible micro probes · 0° forward view · Non-articulating design · 5" display · Image and video recording · Compact and portable system · Designed for precision inspection in extremely confined spaces.



REMOVABLE BATTERY



Ultra-Slim. Easy to handle



What we deliver

- 1 PRO B Videoscope
- 1 Micro SD card
32GB
- 1 HDMI Cable
- 1 Cleaning kit
- 1 Carrying case

Case dimensions

550 x 460 x 190 mm
Gross weight. 6 kg





Versatile inspection possibilities

Extended compatibility

The PRO B videoscope features a quick-change system for interchangeable probes, available in a wide range of diameters and working lengths, as well as with articulation, dual camera and different illumination options (UV, IR)



TYPICAL APPLICATIONS

ULTRA-FINE INSPECTION FOR HIGH-PRECISION INDUSTRIES



AEROSPACE & AVIATION

Inspection of turbine components, cooling channels, injectors, nozzles and precision mechanical parts.



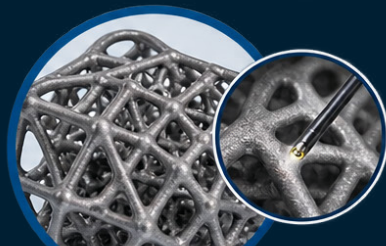
AUTOMOTIVE & E-MOBILITY

Visual inspection of fuel injectors, hydraulic components, cooling circuits and small internal passages.



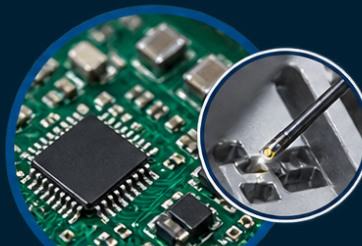
PRECISION MACHINING

Inspection of micro-bores, deep holes and internal channels. Detection of burrs, machining residues and surface defects.



ADDITIVE MANUFACTURING

Internal inspection of complex 3D-printed components, small channels and cavities. Detection of residual powder, obstructions and defects.



ELECTRONICS & MICRO-COMPONENTS

Inspection of miniature assemblies, connectors, sensors and electronic components in confined areas.



MEDICAL DEVICE MANUFACTURING

Quality control of small tubes, cannulas, catheters and precision medical components. Detection of burrs, contamination and internal defects.

TECHNICAL SPECIFICATIONS	PROB MICRO	PROB MICRO
	Ø 0,95 mm	Ø 1,2 mm
 Camera diameter	0.95 mm	1.2 mm
 Working length	0.5 / 1.0 / 2.0 m	0.5 / 1.0 / 2.0 m
 Tip length	4.5 mm	4.5 mm
 Articulation	No	No
 Camera resolution	160 000 px	160 000 px
 Viewing direction	0°	0°
 Field of view	120°	120°
 Depth of field	3 – 70 mm*	3 – 70 mm*
 Illumination	Fiber optic	Fiber optic
 Image resolution	640 × 480 JPEG	640 × 480 JPEG
 Video resolution	640 × 480 AVI	640 × 480 AVI
 Operating temperature	-10°C to +60°C	-10°C to +60°C
 Videoscope dimensions	350 × 155 × 59 mm	350 × 155 × 59 mm
 Net weight without probe	0.6 kg	0.6 kg
 Power supply	110–220 V AC EU plug Universal USB connection	110–220 V AC EU plug Universal USB connection
 Warranty	1 year	1 year

AMONG THE SERVICES THAT ARE OFFERED BY OUR COMPANY

- 12 & 24 MONTHS WARRANTY EXTENSIONS
- PREVENTIVE **MAINTENANCE CONTRACTS**
- REPAIR SERVICE
- IN THE EVENT OF IMMOBILIZATION OF THE PRODUCT FOR REPAIR- **SHORT-TERM RENTING SERVICE**