

# microFlex

Ultra Thin Industrial Fiberscopes



Made  
in  
Germany

**New!**

microFlex micro fiber endoscopes are developed especially for industrial applications with tight inspection apertures or small drill holes. microFlex endoscopes are ideal for inspecting small workpieces, delicate drill holes, injection tubes, turbine blades, random inspection in large series production and security relevant parts. All microflex Fiberscopes are available in customer specific length up to 2m.

### Visualisation

The microFlex contain an optical image guide made of highly flexible, thin and parallel single fibres. This assures sharp and high-resolution pictures with high colour fidelity for professional inspections. A focusable ocular adjusts the optic system to the visual acuity of the viewer. Additional to the direct view objective, a side view tip adapter can be provided.

### Illumination

The integrated fibre light guide with high light transmission and the low loss light coupling between the light source and the light guide adaptor results into provides extremely bright object illumination. For optimal results it is recommended to use IT Concepts Illumination Accessories as light guide adaptors, light guide cables, light source adaptor and light sources.

### Documentation

The focussable 32mm standard DIN (corresponding to DIN 58105, part 2) eyepiece opens a variety of different documentation options. Inspection images can be used for reports or archiving. For this purpose we recommend camera adaptors, CCD colour video camera, displays, monitors and documentation hubs from the accessories program from IT Concepts.



Light Sources  
3W - 300W



3W Led  
Hand Lightsource



Wide Range of  
Illumination Adaptors



Wide Range of  
Light Guide Cables



Wide Range of  
Camera Adaptors



Video Cameras  
CCD & CMOS



Learn more  
[www.itcworld.de](http://www.itcworld.de)



Worldwide  
Service & Support

Probe Ø	Working Length	Bending Radius	DoV	FoV	Pixel	Braid
0.5mm	customized length up to 2000mm	min. 20mm	0°	70°	6000	PU
0.7mm	customized length up to 2000mm	min. 20mm	0°	70°	6000	PU
0.9mm	customized length up to 2000mm	min. 20mm	0°	70°	6000	PU
1.2mm	customized length up to 2000mm	min. 20mm	0°	70°	6000	PU
1.4mm	customized length up to 2000mm	min. 20mm	0°	70°	10000	PU
1.6mm	customized length up to 2000mm	min. 20mm	0°	70°	10000	PU
1.8mm	customized length up to 2000mm	min. 20mm	0°	70°	10000	PU



IMAGING TECHNOLOGY  
& VISIBLE SOLUTIONS

