



More Precision

ELTROTEC // Industrial Endoscopes





- Ø 2.5mm to 7.9mm
- Lengths: 700mm to 1,200mm
- Resolution of 18,000 image points
- Unique image brilliance in sharpness, detail and contrast

Description:

Flexible Top-Line endoscopes are equipped with a resolution of 18,000 image points. Above definition and stronger contrast is achieved using the compensated light conductor bundle. The Top-Line Semi-Flexibel is 1m long and has a hand formable probe. A probe tip with angular offset and lengths of up to 1200mm characterise the Flexibel Pro model. Unique image brilliance, quality and functionality distinguish Flexibel Pro endoscopes.

Both endoscopes are available as a complete set with light source and mirror head.

Features:

- Easy handling
- Battery powered illumination
- Probe tips can be angled on 2/4 sides
- Locking brake with the Pro model
- Brilliant, high contrast images
- Battery powered xenon hand light source
- TV applications via adapter possible
- Protective sheathing from braided tungsten
- Probe tip from braided tungsten

Complete set:

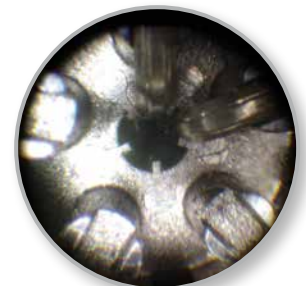
- Top-Line flexible endoscope
- 90° mirror head (with Flexibel Pro ø 5mm, optional 90° prism head)
- Top-Line SuperNova light source
- Robust aluminium case
- Li-Ion battery with charging device



Application examples:



Position of a screw



Bearing inspection

Top-Line	Semi-Flexibel	Flexibel Pro				
Outer-Ø	7.9mm	2.5mm	2.5mm	3.3mm	4mm	5mm*
Length	1000mm	700mm	1200mm	850mm		
Resolution	18,000 image points	7000 image points		18.000 image points		
Direction of view	0° / 90°	0° / 90°		0°		
Field of view	40°	60°		45°		
Focal range	5mm to ∞					
Mirror head	90° mirror head	-			90° mirror head	
Probe tip angle (articulation)	-	2 times, 120° respectively				
Bend radius	40mm	35mm	35mm	40mm		
Heat resistance	≤ 60°					
Article number	20761227	20751770	20751771	20751886	20751893	20751639

*90° prism head available

Accessories	Article no.
90° mirror head for Flexibel Pro, only with ø 5mm (included)	20751641
90° prism head for Flexibel Pro, only with ø 5mm (available)	20751678
90° viewing adapter for Semi-Flexibel	20751928
SuperNova light source incl. power supply and accumulator	20751491
Spare light source for SuperNova	20751373
Lemo 1 adapter from Top-Line endoscope to fibre optic cable EL 1/4 1800 MEP	21061030



90° mirror head



90° prism head (optional)

Accessories:

Fibre optic cables, TV cameras, video processors and light sources

High performance sensors made by Micro-Epsilon



Sensors and systems for displacement and position



Sensors and measurement devices for non-contact temperature measurement



2D/3D profile sensors (laser scanner)



Optical micrometers, fibre optic sensors and fibre optics



Colour recognition sensors, LED analyzers and colour online spectrometer



Measurement and inspection systems



SCIGATE AUTOMATION (S) PTE LTD

No.1 Bukit Batok Street 22 #01-01 Singapore 659592

Tel: (65) 6561 0488

Fax: (65) 6562 0588

Email: sales@scigate.com.sg

Web: www.scigate.com.sg

Business Hours: Monday - Friday 8.30am - 6.15pm



MICRO-EPSILON Eltrotec GmbH
 Heinkelstraße 2 · 73066 Uchingen / Germany
 Tel. +49 (0)7161 98872-300 · Fax+49 (0)7161 98872-303
eltrotec@micro-epsilon.de · www.micro-epsilon.com