

Rigid endoscopes

“Sirius” for ultraviolet (UV) inspections

COBB
FIBRE OTTICHE



Originally developed for FPI inspection of aircraft engines, these “SIRIUS” rigid endoscopes are equipped with an optical system that delivers high-resolution images and a lighting device that provides high-power UV illumination. Both of these features, initially critical for engine FPI inspection, are now widely used across all mechanical sectors where non-invasive and/or non-destructive inspections using ultraviolet light are required.

COBB FIBRE OTTICHE SRL

Via Nelson Mandela, 20 | 24048 Treviolo (BG) | Italy Tel. +39 035 0448601 - Fax +39 035 0448585
info@fibre-ottiche.com - www.endoscopi-industriali.it

Rigid endoscopes

“Sirius” for ultraviolet (UV) inspections

COBB
FIBRE OTTICHE

- Available diameters: 4 mm, 6 mm, 8 mm (12 mm and 19 mm on request)
- Focus adjustment from 5 mm to infinity
- Viewing direction rotatable up to 370° (panoramic)
- Touch indicator for orientation display
- Ergonomic handle
- Computer-optimized optical system
- Optical components specifically designed for each diameter
- Wide range of viewing directions available
- External probe made of stainless steel
- Waterproof and fully immersible along the entire working length
- Precise ratio of illumination optical fibers relative to lens diameter
- Latest-generation achromatic optics with very low light attenuation
- Connection to cameras and video cameras via appropriate adapters
- Highly impact-resistant PVC carrying case

OPERATION OF ULTRAVIOLET ENDOSCOPES (VIDEO MODE)

All rigid endoscopes are equipped with a standard 32 mm eyepiece, allowing connection to the MUCAM T900 camera fitted with a UV lens, and the possibility to choose between the FLASHPACK 900, TIVE 900 MK2, EVS 900 MK2, or TITAN operating units.



COBB FIBRE OTTICHE SRL

Via Nelson Mandela, 20 | 24048 Treviolo (BG) | Italy Tel. +39 035 0448601 - Fax +39 035 0448585
info@fibre-ottiche.com - www.endoscopi-industriali.it

Rigid endoscopes

"Sirius" for ultraviolet (UV) inspections



SIRIUS RIGID UV ENDOSCOPES WITH 90° SIDE VIEW

Diameter	Videoendoscope Code	Length.	Field of View	Viewing Direction
4.0mm	TS-040-090-40-020-FRQ	20 cm	90°	40°
	TS-040-090-40-029-FRQ	29 CM		
6.0mm	TS-060-090-40-020-FRQ	20 cm		
	TS-060-090-40-031-FRQ	31 cm		
	TK-060-090-40-044-FRQ	47 cm		
8.0mm	TK-080-090-40-028-FRQ	28 cm		
	TK-080-090-40-044-FRQ	44 cm		
	TK-080-090-40-067-FRQ	67 cm		
	TK-080-090-40-106-FRQ	106 cm		

SIRIUS RIGID UV ENDOSCOPES WITH FORWARD VIEW (0°)

Description	Videoendoscope Code	Diameter	V.Direction	Field of View
ENDOSCOPE	TS-040-000-40-029-FRQ	4.0 mm	0°	40°
MIRROR TUBE	GT-040-090-029	5.0 mm	90°	
ENDOSCOPE	TS-060-000-40-031-FRQ	6.0 mm	0°	
MIRROR TUBE	GT-060-090-031	8.0 mm	90°	
ENDOSCOPE	TS-060-000-40-047-FRQ	6.0 mm	0°	
MIRROR TUBE	GT-060-090-047	8.0 mm	90°	
ENDOSCOPE	TS-080-000-40-044-FRQ	8.0 mm	0°	
MIRROR TUBE	GT-080-090-044	10.0 mm	90°	

COBB FIBRE OTTICHE SRL

Via Nelson Mandela, 20 | 24048 Treviolo (BG) | Italy Tel. +39 035 0448601 - Fax +39 035 0448585
info@fibre-ottiche.com - www.endoscopi-industriali.it