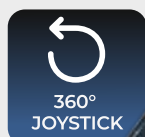


Flexible videoendoscopes

"GRZ"

COBB
FIBRE OTTICHE



COBB FIBRE OTTICHE SRL

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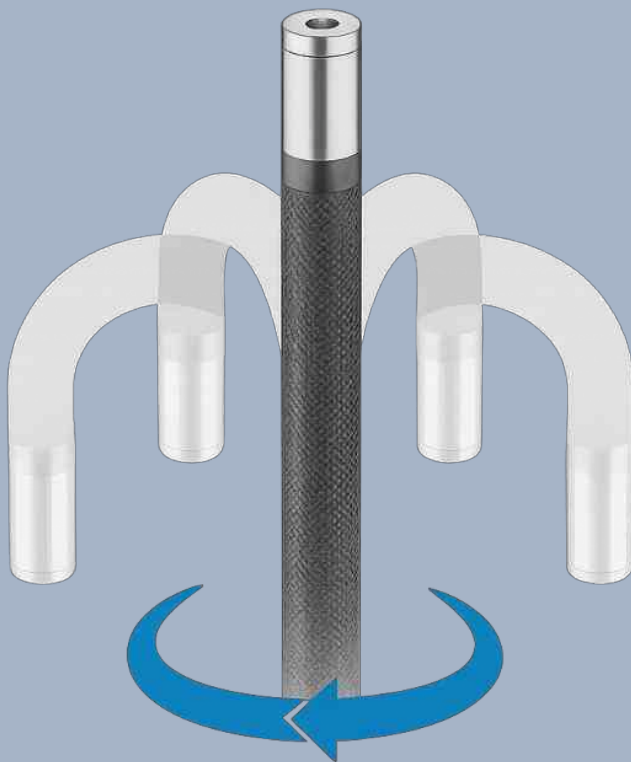
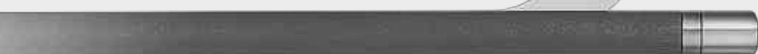
Flexible videoendoscopes

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IP67 PROBE

Fully immersible
waterproof probe



180° rotatable

Everything under control with
one hand

Side view camera

Front view
camera

Dual camera

*side view camera for 4
mm model

Flexible videoendoscopes

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The “GRZ” videoendoscope represents an advanced solution for industrial visual inspections, combining high image quality with an intuitive interface and innovative features: 5-inch high-resolution touchscreen display, allows a smooth and interactive user experience, with quick controls both via the touchscreen and through dedicated physical buttons.

ERGONOMIC JOYSTICK

offers PROBE ARTICULATION with 360° movement, ensuring a complete and flexible inspection even in the most difficult-to-reach spaces. Furthermore, the angle lock and unlock system allows the desired orientation to be kept fixed for greater stability during analysis.

DUAL CAMERA

Which allows FRONT AND SIDE VIEWING. Activation of SPLIT-SCREEN mode, which divides the monitor into two sections with SIMULTANEOUS VIEWING OF BOTH CAMERAS.

ANNOTATION FUNCTION, NOTES AND IMAGE MANAGEMENT

Allows adding titles to photos and inserting notes directly on the screen during inspection. This feature enables clear and effective organization and documentation of findings, facilitating the subsequent analysis of collected data.

HDMI CONNECTION

It is possible to connect it to an external monitor for wider viewing, while the integrated Wi-Fi function (available on some models) allows real-time image transmission to mobile devices.

Power is ensured by a replaceable Li-ion battery, with extended autonomy and FAST USB-C CHARGING.

IP67 WATERPROOF rating for the insertion tube, making it suitable for the most demanding environments.



Flexible videoendoscopes

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MAIN FEATURES

- Display:** 5" high resolution touch LCD
- Storage:** Support for Micro-SD cards
- Video output:** HDMI for connection to external screens
- Lighting:** Adjustable on 6 levels via Dimmer button
- Zoom:** Digital with levels variable depending on the probe used
- Image rotation:** 90°, 180°, 270° and mirror mode
- Image functions:** Monochrome, negative, contrast adjustment, saturation, white balance
- Probe articulation:** 360° movements with joystick
- Probe position lock:** Lock/Unlock button to stabilize the angle
- Wi-Fi integrated:** Allows real-time transmission of images to mobile devices (on selected models)

TECHNICAL SPECIFICATIONS

- Power supply:** Rechargeable Li-ion battery 18650 3350mAh x2, replaceable
- Charging:** USB Type-C, input 5V/2A
- Waterproof:** IP67 (only for the insertion tube)
- Operating temperatures:**
 - Probe and distal tip:** 0–60°C
 - Main body:** 0–40°C
- Operating humidity:** 15–90% RH
- Weight:** 1.0 Kg (including monitor and control unit)

ADVANCED FUNCTIONS

- Photo/video recording:** JPG and MP4 formats, storage on Micro-SD
- Playback and file management:** Viewing photos/videos with annotation possibility
- Measurement:** Estimation of object dimensions through ruler tool
- Graffiti mode:** Possibility to draw and annotate images directly on the touchscreen

ADVANCED IMAGE FUNCTIONS

- EV setting:** Exposure adjustment to optimize visibility in different lighting conditions
- Gain setting:** Manual gain control to improve image quality
- Tone adjustment:** Custom adjustment of saturation, brightness and contrast
- Sharpness and noise reduction:** Optimization of sharpness and noise reduction

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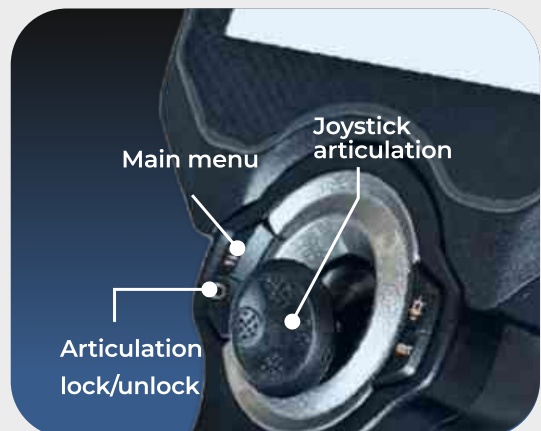
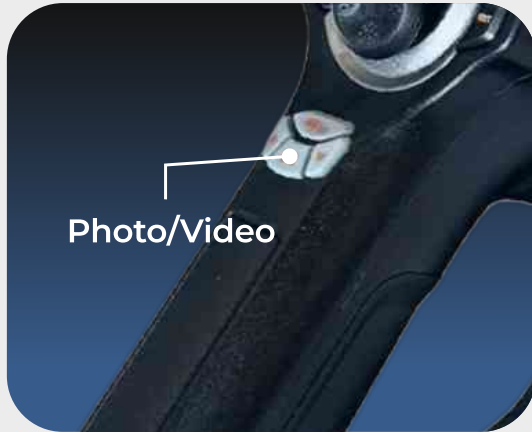
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One-hand operation, including probe articulation, photo capture, video recording, and brightness adjustment.



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Available diameters 2,0mm | 2,8mm | 4,0mm | 6,0mm

Field of view 120° | 90°

Articulation of the viewing head 4 ways - 360°

Monitor features IPS Full-Color

Probe head articulation angle 180°

Battery charger and power supply 5V/2A

Viewing direction Forward 0°

Photo and video Stored on SD card

Monitor LDC 5,0"

Anti-reflection system / White balance / Sensitivity increase Automatic

Power supply Lithium batteries, 3350mAh and/or mains power supply 110/220VAC

Key functions Main settings menu: date, time, video, photo, light adjustment

Video signal output HDMI /Wi-Fi

Image control functions Image rotation, photo/video preview

Camera pixels 1.000.000

Temperature resistance Storage and operating temperatures: -20°C +60°C

Waterproof rating IP67

Available lengths
2,0mm: 1,1mt - 1,5mt - 2,0mt
2,8mm: 1,2mt - 1,5mt - 2,0mt - 3,0mt
4,0mm: 1,5mt - 2,0mt - 3,0mt
6,0mm: 1,5mt - 2,0mt - 3,0mt

Lighting LEDs positioned at the probe tip

Depth of field V/0° From 10 mm to infinity
Depth of field V/90° From 5 mm to 200 mm



DUAL CAMERA VERSION – Flexible 4 mm videoendoscope “GRZ4.0 / DUAL VISION – PLUS”

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SIMULTANEOUS
DUAL VIEW

Multiple viewing modes for
images captured by the two
cameras (for the 4 mm model)

Dual camera:
Front camera 0°
Side camera 90°

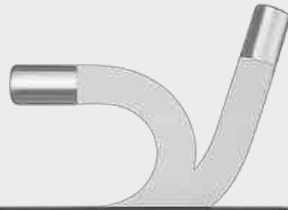


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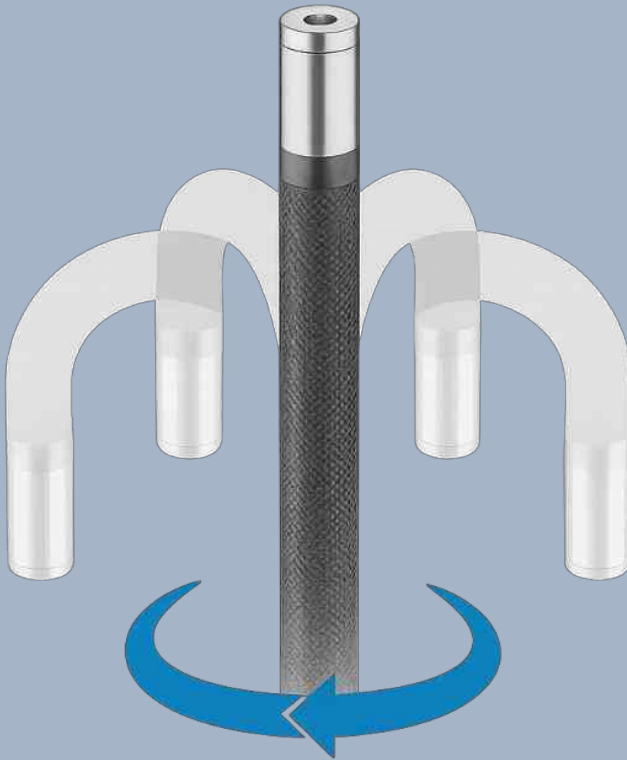
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**DUAL CAMERA VERSION –
Flexible 4 mm videoendoscope
“GRZ4.0/DUAL VISION - PLUS”**

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*side view camera for
4 mm model