

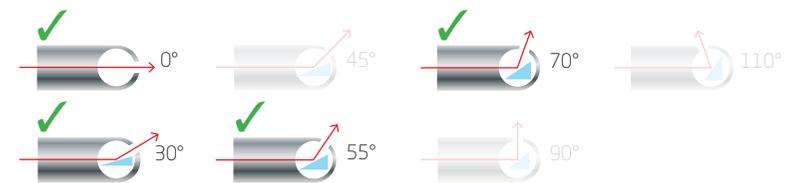
Cleaning of the objective lens with a permanent air flow.

The endoscope HTO-70 CESYCO with optical tube is rather aimed to control the production 24 hours round the clock in big high temperature furnaces in order to monitor the manufacturing process.

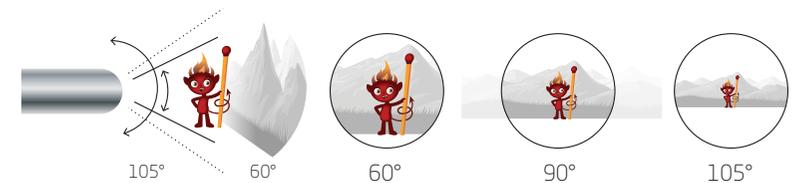
The endoscope HTO-70 offers a high images quality thanks to a transmission of optical lenses. It is equipped with a video camera which transmits the images in the control room. The endoscope HTO-70 is available in different lengths and directions of vision. For each direction of vision, the different exchangeable objective lenses allow to change its field of view. The endoscope HTO-70 must be fixed on the furnace or on the extraction bench. Thanks to its cooling air and water jacket, the endoscope HTO-70 matches the furnaces whose temperature can reach up to 2 000°C.

Available options

The **direction of vision** is the axis the endoscope looks towards. It can be axial or lateral. You have to choose your direction of vision in the table below:



Once your direction of vision is chosen, choose your **field of view**.



Field of view: angle representing the surface of the monitored area. Bigger is the angle, more panoramic is the vision.

HTO-70

STATIONARY ENDOSCOPE

High temperature endoscopes | design, production, sales and services on site

∅ 70 mm

2 000°C



CESYCO

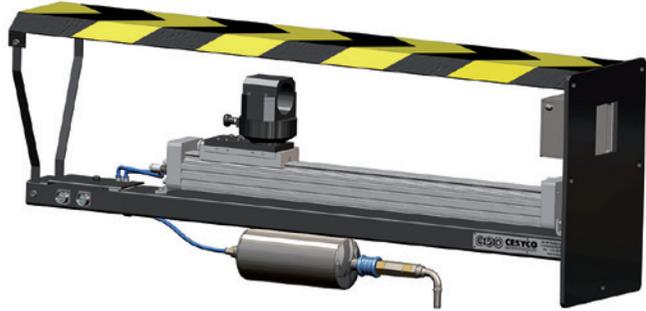
HTO-70 | Stationary endoscope



This endoscope can be used alike with its control cabinet or with the accessories below.

ACCESSORIES

- **Extraction bench:** Mobile system which allows to introduce and to remove the endoscope from the furnace. It ensures its safety in case of dysfunction.



- **Monitoring system** of the fluids which triggers an alarm in case of dysfunction:



Safety station: portable equipment



Control cabinet: stationary equipment fixed on the wall

Technologies	Image transmission	Optical
	Cooling system	Triple jacket
Using temperature	From 750°C to 2 000°C	
Dimensions	Diameter	70 mm
	Length	716 or 907 mm
	Weight	From 12 to 14 Kg
Cooling system	Water	Loop system
	Air	Lost
Direction of vision	Axial	0°
	Lateral	30° - 55° - 70°
Field of View	Exchangeable	60° - 90° - 105°
Focus	Focusing ring	From 10 cm to infinity
Connections	Inlet/Outlet	Water: BSP 1/2" Air: BSP 3/8"
Power supply	Electrical box	From 100 to 250 VAC 50/60 Hz Video output on BNC
Accessories	Video	C/CS mount
	Control and security	Safety station
		Extraction bench

