



HIGH TEMPERATURE INDUSTRIAL ENDOSCOPY



LEARN MORE

www.cesyco.com



ADDRESS

ZA de Vaubesnard
91410 DOURDAN FRANCE

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INTRODUCTION :



DESIGN,
MANUFACTURE,
SALES &
SERVICE

In high temperature environments around 2000°C, our technology allows to inspect the interior of a furnace or a boiler in operation in order to highlight structural defects or to carry out process controls.

- Check the internal wear condition of an operating furnace.
- Anticipate and plan maintenance operations.
- Control in real time a heated process.
- Detect any malfunction without stopping production.
- Improve productivity and safety.

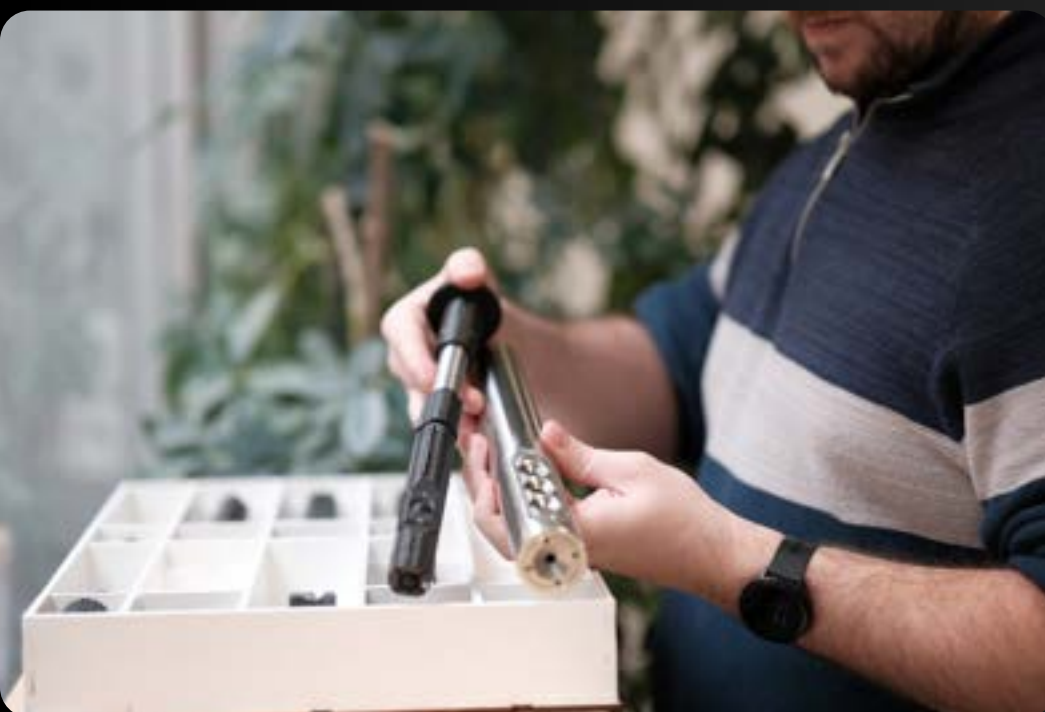


ABOUT US :

LEADER IN
HIGH
TEMPERATURE
ENDOSCOPY,
WITH A
WORLDWIDE
PRESENCE

CESYCO will assist you from the first step of your project to the implementation of the appropriate solutions:

- Assessment of your needs and recommendation of a solution.
- Design and manufacture of standard or custom equipment.
- Rental of equipment.
- On-site services.
- Maintenance and repair of equipment.



Our strengths:

- A strong technical expertise.
- Experience in many sectors of activity.
- Skills in optics, imaging and electronics.
- A comprehensive consideration of your needs.
- Equipment manufactured in our workshop in France

OUR SECTORS OF ACTIVITY :



Glass Industry

INSPECTION OF GLASS FURNACES TO MONITOR THE FUSION PROCESS AND DETECT REFRACTORY WEAR.

CONTROL OF BURNERS AND SLAB FURNACES TO ENSURE CONSISTENT AND UNIFORM PRODUCTION.



Cement Factory

DIAGNOSTICS OF BOILERS TO IDENTIFY OBSTRUCTIONS AND ENSURE OPTIMAL THERMAL PERFORMANCE.



Biomass

MONITORING OF BIOMASS COMBUSTION SYSTEMS TO MAINTAIN EFFICIENCY AND DETECT POTENTIAL ISSUES.



Steel Industry

INSPECTION OF ROTARY KILNS TO PREVENT BLOCKAGES AND OPTIMIZE COMBUSTION EFFICIENCY.



Industrial Boiler

OUR PRODUCTS :

Fixed Endoscopes

Intended for 7/24 production controls in high temperature furnaces of large volume in order to follow in real time the manufacturing process. Depending on the brightness in the furnace, they are available with or without LED lighting.



**MADE IN
FRANCE**

Portable Endoscopes

Designed for high temperature furnace inspections. Their light weight, small diameter and excellent handling make them easy to use in difficult conditions. They are easy to handle, and only require a water and air connection.



Services

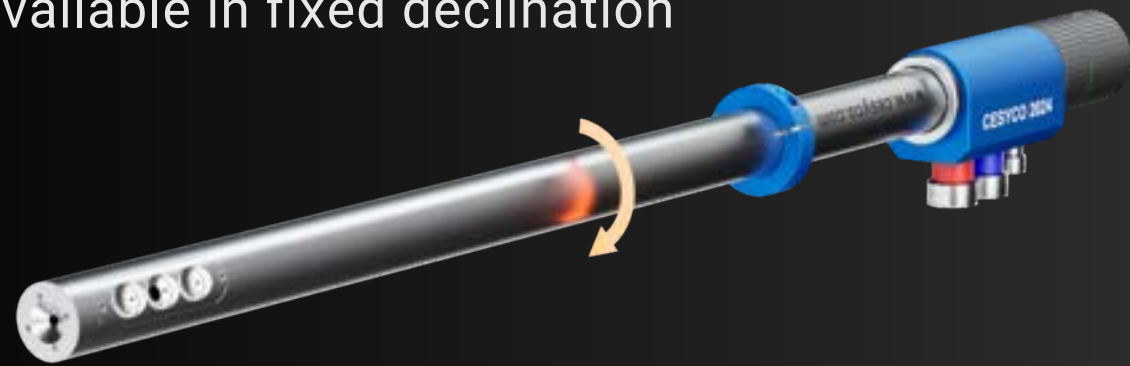
CESYCO offers on-site industrial endoscopy services, delivering high-resolution video inspections directly at your facility. Our experts ensure detailed images for safer and more efficient operations.



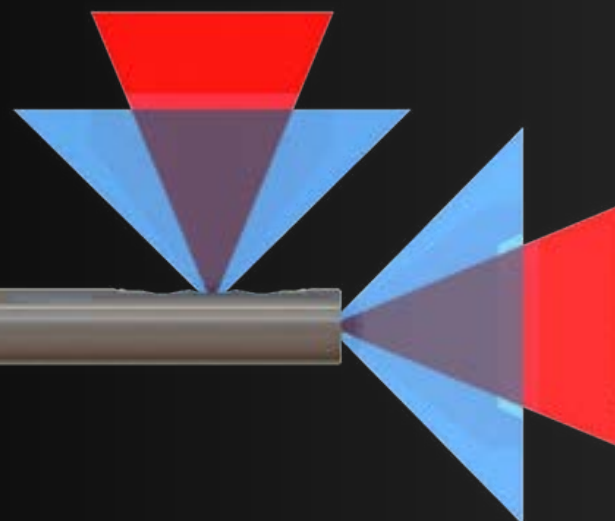
HTN-40

OUR BEST-SELLER MULTIVISION PORTABLE ENDOSCOPE

- Display several zones simultaneously
- High-temperature environments with high brightness
- Lightweight, small diameter, easy to handle
- Available in fixed declination



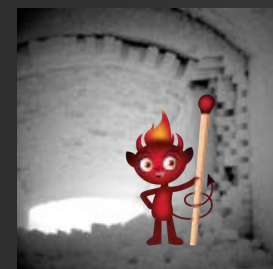
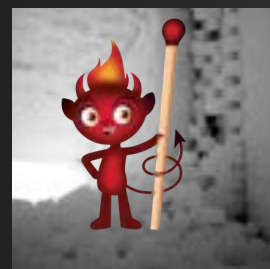
Our endoscopes offer two fields of view to suit inspection needs: 60° for more distant, detailed observation, and 90° for wider coverage of the inspected environment. The choice of field of view depends on the area to be analyzed and the inspection requirement.



60°

or

90°



LIQUID & AIR COOLING SYSTEM



Get notified every time there's a relevant unread update.
Enabling the HTN40 to work in up to 1600°C environments.

360° ROTATION

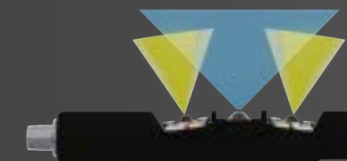


View elements all around without turning the air and water supply.
Showcase recent purchases in the shopping module and the latest comments in social.



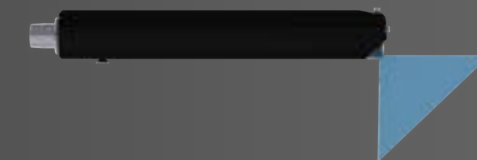
TWIN VISION

See the side and front of the oven at the same time.



LED LIGHTING

Two leds to assist the camera in dark environments.



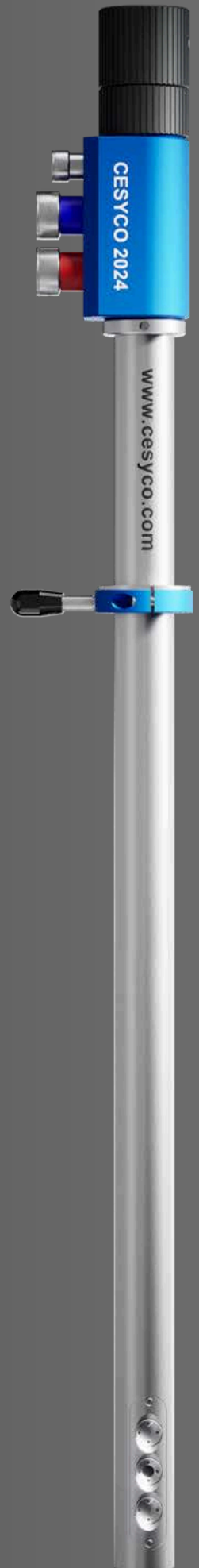
ADAPTABLE HEAD

Multiple angles available : 20°, 45°, 65° direction camera heads.

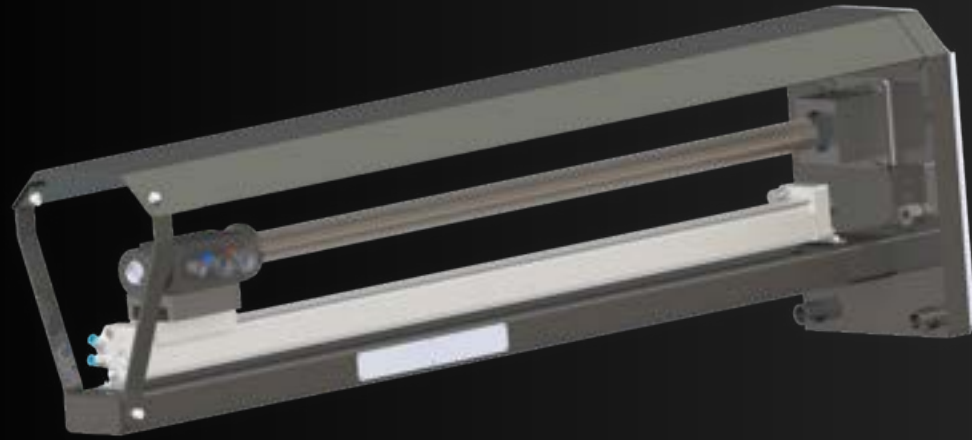
LED LIGHTING & ADAPTABLE HEAD



Fields of vision and axes adapted to your specific needs for optimal, long-lasting use.



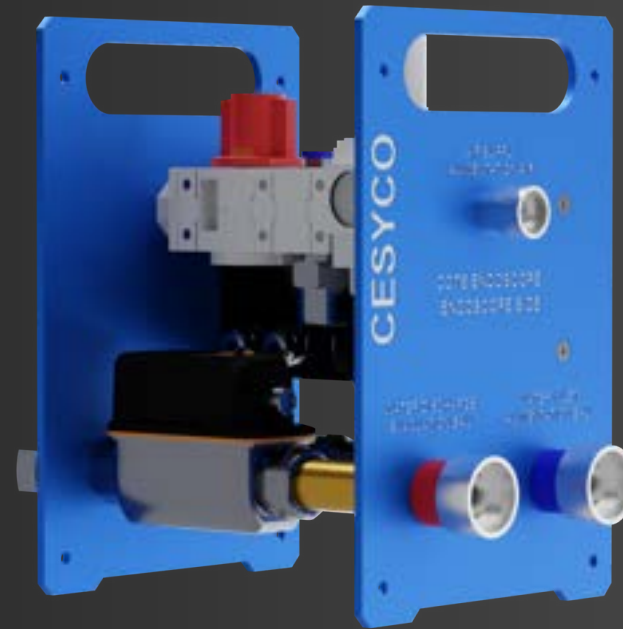
EQUIPMENT :



Extractor bench



Safety device that automatically removes fixed endoscope in the event of malfunctioning cooling systems.



Safety station



Designed for fluid management to ensure the safety of portable endoscopes during spot inspections.

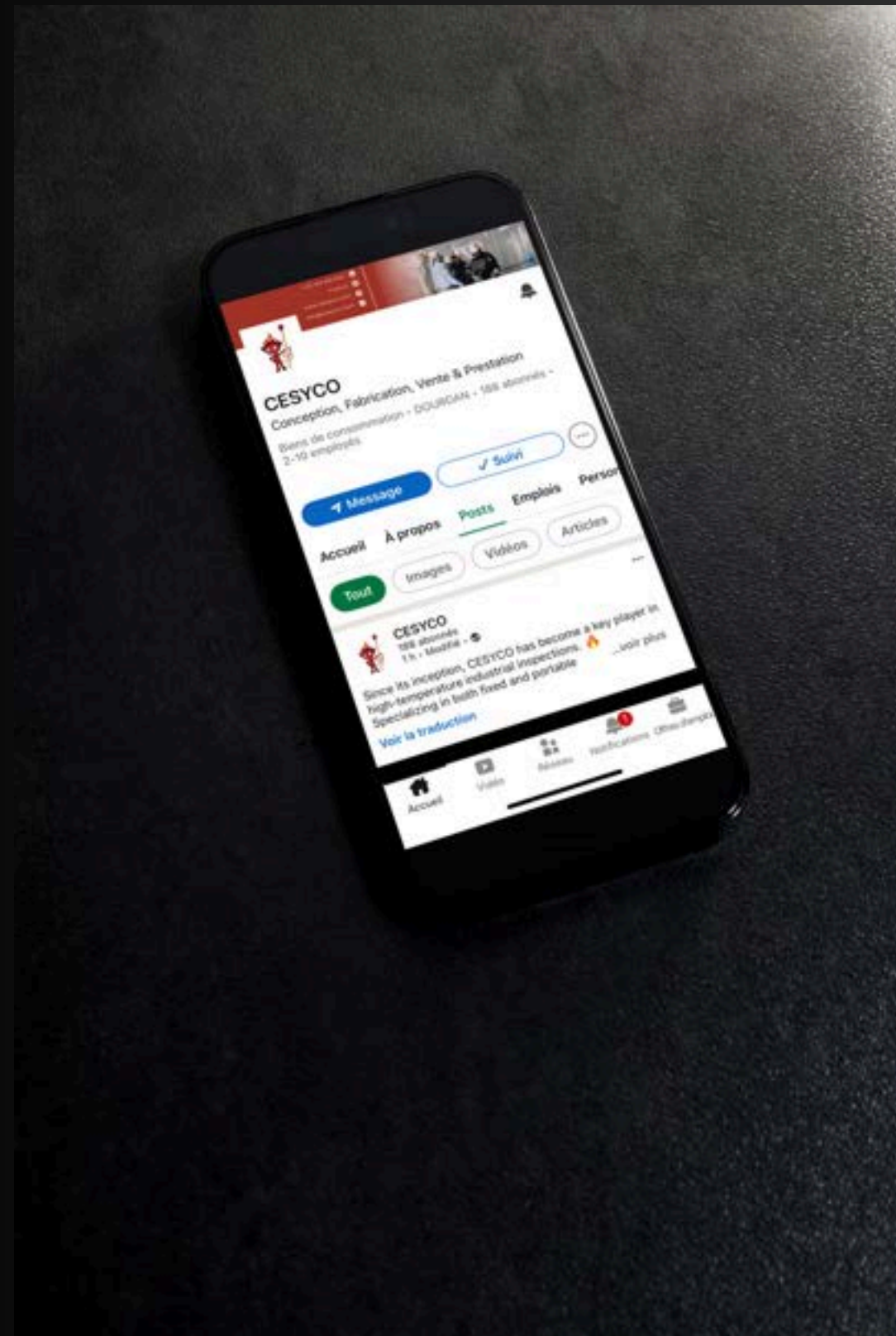


Control box



Efficient data transmission via RJ45 cable for high-quality real-time inspections.

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info@cesyco.com

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