

**THINK FAST  
THINK CLEAN  
THINK SINGLE-USE**



Ambu® aScope™ Gastro

**Ambu**

IDEAL FOR UNSCHEDULED,  
URGENT AND NIGHT-SHIFT  
SITUATIONS

The aScope Gastro solution provides a new sterile gastroscope for every patient in any setting. Simply unpack a new sterile gastroscope; connect it to the ancillary equipment and the Ambu® aBox™ 2 displaying and processing unit, with its built-in touchscreen monitor; and get to work. The aScope Gastro solution gives you consistent quality, feel and performance – with no hidden costs.



## THINK FAST

### Available at all times and in any setting

Ambu single-use GI endoscopes are always sterile and ready to use - removing potential barriers to a smooth workflow. The immediate availability of a single-use endoscope makes it ideal for unscheduled, urgent or night-shift situations - or scenarios where time and availability are critical.

### No handling, zero reprocessing and nothing to repair

Ambu single-use GI endoscopes eliminate the need for rescheduling when endoscopes are being used elsewhere. They also prevent the bottlenecks caused by broken-down reprocessing equipment. And with a single-use endoscope, there is no more waiting on repairs and replacements.

### Fast to set up, easy to use

The sleek, intuitive design of the aScope Gastro solution makes it fast to set up in existing room layouts, and easy to use. Its compact processor with built-in touchscreen has a small footprint, making it a good option for tight spaces and moving around.

### A simpler routine

Discard the used gastroscope after the procedure, unpack a new one, and you are ready for the next patient.





**NO RISK OF  
ENDOSCOPE-RELATED  
CROSS-CONTAMINATION**

## **CONSISTENT QUALITY, FEEL AND PERFORMANCE**

Reusable endoscopes are used multiple times every day and are continually subjected to rigorous reprocessing<sup>6</sup>. This leads to wear and tear of the inner and outer surfaces, and degradation of mechanical performance.

With aScope Gastro, there is no deterioration, so you can count on consistent quality, feel and performance every time.

### **aScope Gastro**

- Lightweight ripple-surfaced handle
- 210° retroflexion
- Dedicated auxiliary water jet channel
- Sleek design with clean lines



# THINK CLEAN

### **No need to worry about inadequate cleaning**

The risk of cross-contamination is inherent to reusable gastroscopes. The combination of difficult-to-reach areas and deterioration due to routine use makes reusable gastroscopes susceptible to harbouring microbes<sup>1,2,3,4</sup>. Furthermore, reprocessing is a complex process, which can involve more than 100 steps<sup>5</sup>.

With single-use endoscopes, you don't have to worry about having to recall and test patients

suspected of endoscope-transmitted cross-infections.

### **A new sterile scope for every patient**

aScope Gastro is sterile straight from the pack, so you can assure each patient that you are using a new sterile gastroscope just for them. This is especially relevant for vulnerable groups such as immunocompromised patients or patients who are otherwise at high risk of infection.

### **aBox 2**

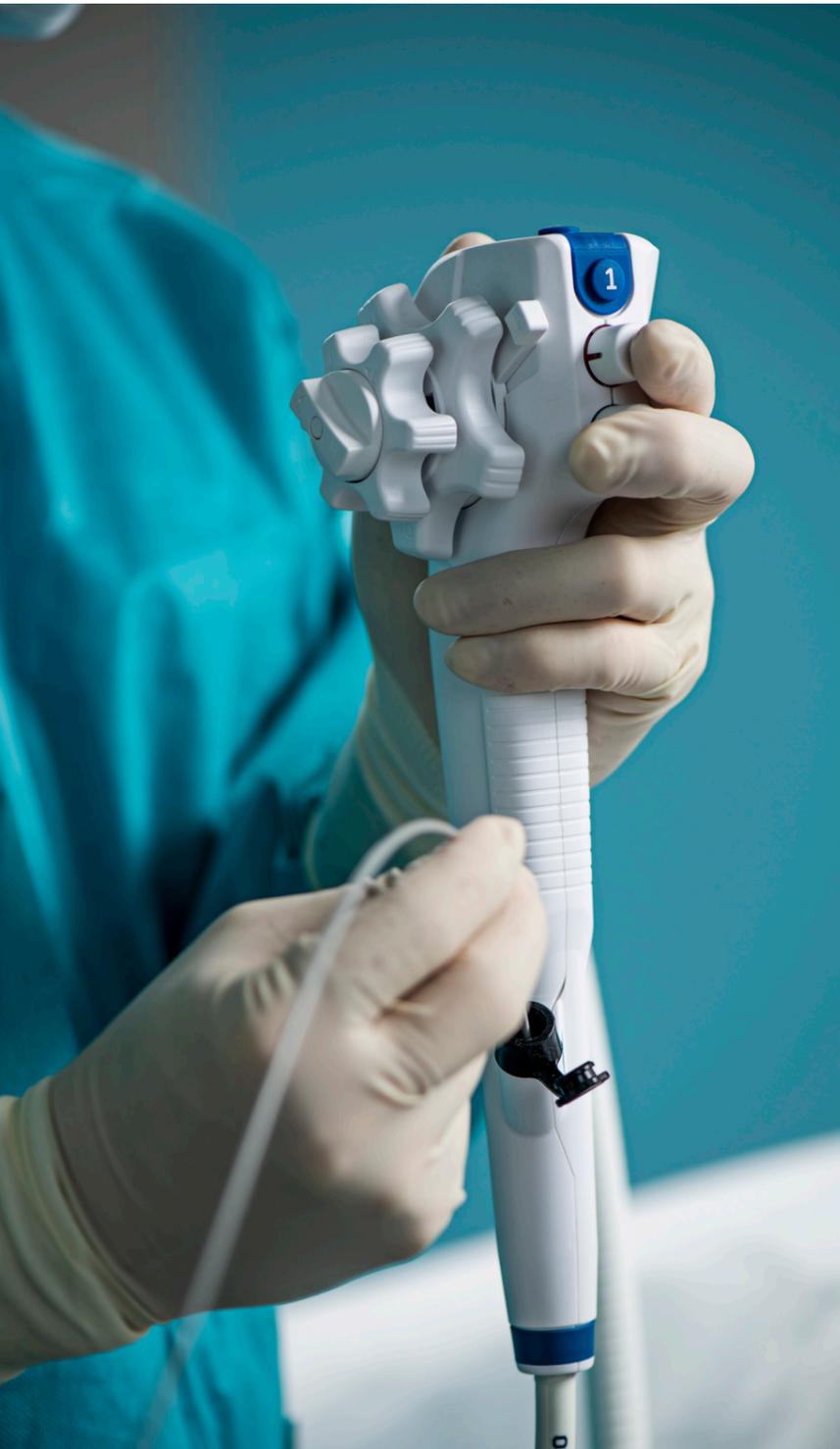
Get a live endoscopic image on the built-in touchscreen within seconds when you connect aScope Gastro to aBox 2. The intuitive user interface is right there on the screen next to the endoscopic image, making it easy to maintain focus and control. The touchscreen can be used as either the primary or the secondary monitor, and it adapts perfectly to different needs and room set-ups.

### **aBox 2: advanced features**

- Full HD LCD monitor for excellent imaging
- Advanced image processing, adaptive light control and true colours
- Take images and record videos at the touch of a button on aScope Gastro or aBox 2
- Manual colour, contrast, sharpness and brightness adjustments for viewing preference
- Easy transfer of recorded imaging data to PACS using DICOM over Wi-Fi or LAN
- Digital video output options to display live image on external monitors
- Simple cleaning with germicidal wipes



**LIVE ENDOSCOPIC  
IMAGE ON THE BUILT-IN  
TOUCHSCREEN  
WITHIN SECONDS**



## NO HIDDEN COSTS

A single-use solution gives you a transparent overview of your operational costs.

### Complete cost transparency

With one endoscope per procedure, operational costs and Total Cost of Ownership (TCO) can easily be calculated, and the initial capital investment of the single-use set-up is marginal compared to a reusable set-up.

This opens the door to increase your procedural capacity or to add endoscopy capabilities to new locations with a minimal upfront investment. In addition, you are free from complex investment contracts and often binding long-term service agreements.

### An opportunity to reduce costs and resources spent on reprocessing

Because aScope Gastro is single-use, no reprocessing personnel, supplies, maintenance or repairs are needed. You save time otherwise spent on coordinating repairs or tracking endoscopes to free up your staff for other activities. Furthermore, the potential costs associated with treating any infections caused by cross-contaminated reusable endoscopes become a non-issue.

**MARGINAL INITIAL CAPITAL INVESTMENT COMPARED TO REUSABLE SET-UP**

**ELIMINATE TOOLS, CHEMICALS AND WATER USED IN REPROCESSING**



# THINK SINGLE-USE

### Freedom from obsolete technology

The aScope Gastro solution frees you from obsolete technology, letting you take advantage of the latest imaging capabilities and advanced features without new capital investments.

### Reprocessing's hidden environmental footprint

The manufacture, reprocessing and repair of reusable endoscopes entail a significant environmental burden<sup>7</sup>, which is sometimes overlooked. Single-use endoscopes do away with a long list of materials used for reprocessing, such as hazardous chemicals and water, brushes, sponges, cloths, transport liners and containers, and personal protective equipment.

### Innovations that move us toward a circular economy

As the largest and most innovative global supplier of innovative single-use endoscopes, Ambu feels a responsibility to forge the way with sustainable practices and targets.

Ambu continuously looks for innovations that keep our products, parts and materials in use, simplify packaging and shipping logistics, and lead to the use of greener materials.

In 2020, we achieved our goal of 100% phthalate-free products. We are also progressing toward our goal of making products released after 2025 95% PVC-free, with all packaging becoming recyclable, reusable or compostable.

**For more information about Ambu and the environment, go to [ambu.com/environment](https://www.ambu.com/environment)**

#### References:

1. Decristoforo P, Kaltseis J, Fritz A, et al. High-quality endoscope reprocessing decreases endoscope contamination. *Clin Microbiol Infect*. 2018;24(10):1101.e1-1101.e6. doi:10.1016/j.cmi.2018.01.017
2. Sundermann AJ, Chen J, Miller JK, et al. Outbreak of *Pseudomonas aeruginosa* Infections from a Contaminated Gastroscope Detected by Whole Genome Sequencing Surveillance. *Clin Infect Dis*. Published online December 25, 2020. doi:10.1093/cid/ciaa1887
3. Saliou P, Le Bars H, Payan C, et al. Measures to improve microbial quality surveillance of gastrointestinal endoscopes. *Endoscopy*. 2016;48(8):704-710. doi:10.1055/s-0042-107591
4. Ribeiro MM, de Oliveira AC. Analysis of the air/water channels of gastrointestinal endoscopies as a risk factor for the transmission of microorganisms among patients. *Am J Infect Control*. 2012;40(10):913-916. doi:10.1016/j.ajic.2012.02.005
5. Ofstead et al., 2017: A glimpse at the true cost of reprocessing endoscopes: Results of a pilot project
6. Incidence in the Netherlands (involving gastroscopies): • <https://www.destentor.nl/zutphen/gedupeerde-patienten-zutphens-ziekenhuis-drie-maanden-onzeker-over-mogelijke-hepatitisbesmetting-ab25334a/?referrer=https%3A%2F%2Fwww.google.com%2F> • <https://nos.nl/artikel/2372079-ziekenhuis-zutphen-roept-patienten-terug-na-fout-met-reinigen-instrument.html> • Sundermann et al.: <https://pubmed.ncbi.nlm.nih.gov/33367518/>
7. See for example: Sørensen B. L. and Grüttnner H. Comparative Study on Environmental Impacts of Reusable and Single-Use Bronchoscopes. *AJEP*, 2018; 7(4) 55-62. Available from <https://www.sciencepublishinggroup.com/journal/paperinfo?journalid=163&doi=10.11648/j.ajep.20180704.11>



## FORWARD-THINKING SOLUTIONS

Ambu has built on more than a decade of single-use endoscopy know-how to place a reliable, sterile and cost-effective solution in your hands. We launched the world's first single-use flexible bronchoscope in 2009, and in 2020 over 1 million of our single-use endoscopes were used in more than 6,000 hospitals globally.

### **The largest single-use R&D team in the world**

Ambu has hundreds of engineers in five innovation centres around the world - three of which focus exclusively on endoscopy solutions. They collaborate with medical specialists and personnel at our advanced production facilities. Our modular design approach, infrastructure and vast experience enable us to develop high-quality single-use technology across clinical areas and to deliver it efficiently.

### **Fully focused on single-use endoscopy**

Twenty per cent of our single-use revenue is fed back into product innovation, and in the next three years we are poised to launch dozens of single-use endoscopes across a range of clinical areas, including solutions for gastroenterology. With one experienced, reliable partner, you can standardize your single-use endoscopy solution across multiple clinical speciality areas.

**For more information, please visit [ambu.com/GI](https://www.ambu.com/GI)**

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