

ONE VERSATILE SOLUTION

OPTIMISES YOUR WORKFLOW IN THE ENDOSCOPY UNIT,
THEATRE AND ICU

Ambu® aScope™ Broncho single-use portfolio



Ambu



ONE SINGLE-USE BRONCHOSCOPY SOLUTION

ADDRESSES A BROAD RANGE OF BRONCHOSCOPY PROCEDURES

The Ambu® aScope™ Broncho portfolio provides two different product families with a variety of different bronchoscope sizes, which can be available in storage whenever you need them.

3 WAYS AMBU SINGLE-USE BRONCHOSOPES CAN BENEFIT YOUR ORGANISATION

1. COST CONTROL

With one bronchoscope per procedure, the total cost of ownership can easily be calculated. It reduces financial uncertainty, because you only pay for what you need and can increase or decrease the number of procedures performed as required. What's more, because each bronchoscope is only used once, there is no degradation in performance and no concerns about the costs and downtime associated with the repair and reprocessing of reusable endoscopes.

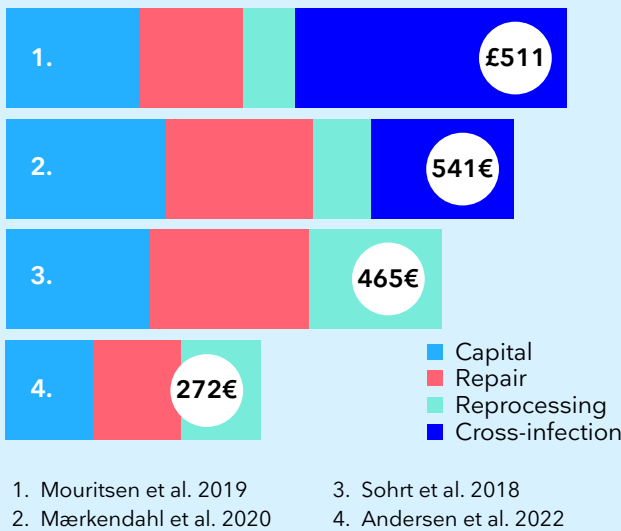
A number of studies have shown that single-use bronchoscopes can be cost-effective compared to reusables^{1,2}. Chart 1 shows the total per-procedure cost associated with the usage of reusable bronchoscopes.

2. STREAMLINED WORKFLOW

Having one experienced, reliable partner simplifies procurement and enables you to standardise your single-use endoscopy solution across your hospital, and even across clinical areas other than bronchoscopy, like GI, urology and ENT.

Ambu single-use endoscopes can be ordered from day to day, and you can have a variety of sizes available in storage whenever you need them. This can save you from the inefficiencies of cancellations and rescheduling. In addition, there is no need for reprocessing. This frees up resources and creates new opportunities, for example, to increase the number of bronchoscopies.

Chart 1: Total per-procedure cost associated with using a reusable bronchoscope



3. INCREASED SAFETY

Improper reprocessing of bronchoscopes poses serious patient safety and infection risks^{5,6,7,8}. In addition, your staff is exposed to contaminated scopes, and detergent and chemicals used for reprocessing. Our sterile single-use bronchoscopes eliminate the risk of patient-to-patient contamination. This can be especially relevant for the immunocompromised patient population, and it may reduce readmissions and their associated costs⁹.

ENDOSCOPY UNIT

Flexibility and high performance

The flexibility and high performance you need for the complex and demanding workflow of diagnostic and therapeutic procedures in the endoscopy unit.

THEATRE AND ICU

Portability and essential performance

The portability and essential performance you need for routine procedures ranging from difficult intubations and thoracic anaesthesia in theatre to secretion management in the ICU.

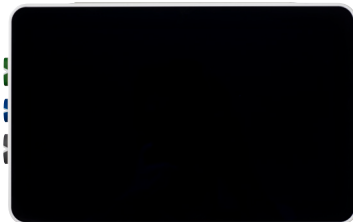
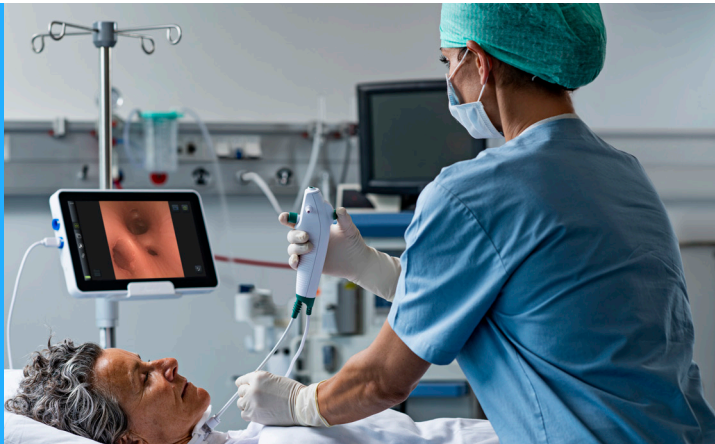


MEET THE FAMILY



Ambu® aScope™ 5 Broncho
ENDOSCOPY UNIT
A NEW STANDARD FOR SINGLE-USE BRONCHOSCOPES
Ambu® aScope™ 5 Broncho provides the excellent manoeuvrability, next-level imaging and flexibility you need for the complex and demanding workflow of the endoscopy unit.

Ambu® aScope™ 4 Broncho
THEATRE AND ICU
PORTABLE, LIGHTWEIGHT, EASY TO SET UP
From intubations and thoracic anaesthesia in theatre to routine bronchoscopy in the ICU, aScope 4 Broncho provides essential performance in a sterile, cost-efficient, ready-to-go solution.



Ideal for smaller anatomies in theatre and ICU too



THE WORLD'S MOST INNOVATIVE SINGLE-USE ENDOSCOPE COMPANY

Ambu launched the world's first single-use flexible bronchoscope in 2009, and in 2021 over 1.5 million of our single-use endoscopes were used in thousands of hospitals across clinical areas. That's more than all other single-use endoscope companies combined.

With one experienced, reliable provider, you can standardise your single-use endoscopy solution across your hospital departments and clinical areas.



3 ADVANTAGES OF WORKING WITH THE LEADERS IN SINGLE-USE ENDOSCOPE INNOVATION

1. WE COLLABORATE WITH LEADING ENDOSCOPISTS TO MEET YOUR NEEDS
Ambu is the largest single-use endoscope company in the world. We invest 20% of our single-use endoscopy revenue back into R&D. This has enabled us to build five global single-use innovation centres. Hundreds of dedicated Ambu engineers work closely with leading endoscopists to incorporate their input and deliver the best innovations rapidly.

2. A MODULAR APPROACH BENEFITS YOU WITH RAPID INNOVATION
Our innovation teams are set up to share components and technology with each other. As a result, multiple development projects occur simultaneously. This generates rapid innovation, which puts the latest technology in your hands.

3. YOU CAN COUNT ON US TO DELIVER
High-scale, low-cost manufacturing at our own facilities in Malaysia, Indonesia, the US, Europe and the largest single-use endoscope factory in the world (currently being built in Juarez, Mexico) ensure that you can rely on us to deliver.

LEADING THE WAY WITH SUSTAINABLE PRACTICES AND TARGETS

From raw material extractions to disposal, the choices we make throughout the life cycle of our products not only affect our own operations, but also our suppliers and customers.

Our plastic and product strategy focuses on the areas where we believe we can make a difference in product design, production and disposal after end-of-use.

	SHORT TERM	MEDIUM TERM	LONG TERM
DESIGN	Identify areas for improvement Mature our capabilities where possible	Reduce material use Eliminate use of PCV	Use sustainable materials Design for recycling
PRODUCTION	Operation Clean Sweep® program	Reduce unnecessary items in product packs	Waste to be reused or recycled
END-OF-USE	Plastic Bank® recycling partnership Take-back program with incineration & energy recovery (US & Italy)	Take-back program with recycling (other countries)	Recycling at scale



Visit www.ambu.com/sustainability or scan the QR code to read more about our targets.



A HISTORY OF BREAKTHROUGH IDEAS

Ambu has been bringing the solutions of the future to life since 1937. Today, millions of patients and healthcare professionals worldwide depend on the efficiency, safety and performance of our single-use endoscopy, anaesthesia, and patient monitoring & diagnostics solutions.

The manifestations of our efforts have ranged from early innovations like the Ambu® Bag™ resuscitator and the Ambu® BlueSensor™ electrodes to our newest landmark solutions like Ambu® aScope™ – the world's first single-use flexible endoscope. Moreover, we continuously look to the future with a commitment to deliver innovative quality products that have a positive impact on your work.

Headquartered near Copenhagen in Denmark, Ambu employs approximately 4,500+ people in Europe, North America and the Asia-Pacific region.

Ambu – Forever Forward

For more information, please visit
ambu.co.uk/endoscopy/pulmonology

References:

- 1 Mouritsen JM, Ehlers LH, Kovaleva J, Ahmad I, El-Boghdady K, El-Boghdady K. A systematic review and cost effectiveness analysis of reusable vs. single-use flexible bronchoscopes. *Anaesthesia*. 2019 [cited 2022 Aug 25]; 75(4): 529-540. Available from: <https://doi.org/10.1111/anae.14891>.
- 2 Mærkedahl A, Lindvig A, Pagh A, Russel R. Cost-Utility Analysis of the Ambu® aScope TM 4 Broncho Single- Use Flexible Video Bronchoscope Compared to Reusable Flexible Video Bronchoscopes. *Journal of Basic and Clinical Pharmacy*. 2020 Oct-Nov [cited 2022 Aug 25]; 11(5): 1-6. Available from: <https://www.jbclinpharm.org/articles/costutility-analysis-of-the-ambu-ascope-tm-4-broncho-singleuse-flexible-video-bronchoscope-compared-to-reusable-flexible>.
- 3 Soht A, Ehlers L, Udsen FW, Mærkedahl A, McGrath BA. Cost Comparison of Single-Use Versus Reusable Bronchoscopes Used for Percutaneous Dilatational Tracheostomy. *Pharmacoeconomics*. 2019 Jun [cited 2022 Aug 25]; 3(2): 189-195. Available from: <https://doi.org/10.1007/s41669-018-0091-2>.
- 4 Andersen CØ, Travis H, Dehlholm-Lambertsen E, Russell R, Jørgensen EP. The Cost of Flexible Bronchoscopes: A Systematic Review and Meta-analysis. *Pharmacoecon Open*. 2022 [cited 2022 Oct 27]; 6(6): 787-797. Available from: <https://doi.org/10.1007/s41669-022-00356-0>.
- 5 Seidelman JL, Akinboyo IC, Taylor B, Henshaw NG, Abdelgadir A, Gray GC, Smith BA, Lewis SS. Pseudo-outbreak of adenovirus in bronchoscopy suite. *Infect Control Hosp Epidemiol*. 2021 Aug [cited 2022 Aug 25]; 42(8):1016-1017. Available from: <https://doi.org/10.1017/ice.2021.129>.
- 6 Mehta AC, Muscarella LF. Bronchoscope-Related "Superbug" Infections. *Chest*. 2019 Aug [cited 2022 Aug 25]; 157(2):454-469. Available from: <https://doi.org/10.1016/j.chest.2019.08.003>.
- 7 Gavaldà L, Olmo AR, Hernández R, Domínguez MA, Salamonsen MR, Ayats J, Alcaide F, Soriano A, Rosell A, Bellvitge Hospital Bronchoscopy Quality Improvement Group. Microbiological monitoring of flexible bronchoscopes after high-level disinfection and flushing channels with alcohol: Results and costs. *Respiratory Medicine*. 2015 Aug [cited 2022 Aug 25]; 109(8):1079-1085. Available from: <https://doi.org/10.1016/j.rmed.2015.04.015>.
- 8 Barron SP, Kennedy MP. Single-Use (Disposable) Flexible Bronchoscopes: The Future of Bronchoscopy? *Advances in Therapy*. 2020 Sep [cited 2022 Aug 25]; 37:4538-4548. Available from: <https://doi.org/10.6084/m9.figshare.12905990>.
- 9 Garrett J. Sterile, single-use bronchoscope reduces associated readmission rates and infection risk: a retrospective clinical analysis. *Chest: Supplement*. 2021 Oct [cited 2022 Aug 25]; 160(4):516. Available from: <https://doi.org/10.1016/j.chest.2021.07.504>.

Ambu FOREVER FORWARD

Ambu Limited
Incubator 2
Alconbury Weald Enterprise Campus
Alconbury Weald
Cambridgeshire
PE28 4XA
T: 01480 498403
ambu.co.uk