

# EXPERTS IN SINGLE-USE BRONCHOSCOPY

Ambu® aScope™ 4 Broncho



**Ambu**



# A READY-TO-GO, SINGLE-USE FLEXIBLE BRONCHOSCOPY SOLUTION



Ambu® aScope™ 4 Broncho endoscopes are part of a ready-to-go, single-use flexible bronchoscopy solution that can be used for a wide array of procedures all over the hospital, from intubations and thoracic anaesthesia in the OR to routine bronchoscopy in the ICU. They're guaranteed sterile, always available and part of an integrated solution that improves safety, workflow and productivity.

## GUARANTEED STERILITY

### **Bronchoscopes are meant to save lives**

Today, over 2.4 million routine bronchoscopies and intubations are performed yearly in ICUs and ORs around the world to treat patients in an effective and relatively non-invasive manner.

However, there is growing concern that even with the most stringent high-level disinfection procedures, sterility cannot be assured. This potentially puts your patients at risk.

### **An extra measure of safety**

With the aScope 4 Broncho solution, you get a brand-new, sterile bronchoscope straight from the package every time.

## READY WHEN YOU ARE

### **When planning gets in the way...**

The aScope 4 Broncho is ready when you are, reducing the risks and frustrations associated with waiting for an available endoscope. aScope 4 Broncho can be stored directly in the units, so you simply grab the scope and monitor and are ready to go.

### **...it's nice to know that a bronchoscope is always available**

The aScope 4 Broncho single-use bronchoscopy solution is portable, easy to set up and intuitive to use, saving you valuable time. Because the endoscopes are single-use, you always have a bronchoscope available when you need it. Therefore, you can focus less on planning and more on what matters most: your patients.

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# THE EXPERIENCE, SETUP AND FOCUS TO DELIVER YOUR SINGLE-USE SOLUTION



## OVER 10 YEARS as leaders in single-use bronchoscopy

Since launching the world's first disposable flexible endoscope in 2009, Ambu has been the global leader in single-use bronchoscopy. And as the largest and longest-standing supplier, you can take confidence in the fact that our technology is present in over 150 NHS Trusts in the UK; and worldwide it's been successfully used in millions of airway procedures and validated by over 200 published studies.

## 4 GENERATIONS of product enhancements, and counting

Following the original aScope Broncho, our bronchoscopes have already undergone 3 generations of further development to ensure they're continually meeting your needs and providing you with the latest technology.

Our most current solution, aScope 4 Broncho, concluded almost 10 years of customer learning and product enhancement; but we know our work here isn't done, and our 5th generation scopes are already in the making.

## 1 FOCUS on delivering guaranteed sterility

Ambu is dedicated to single-use endoscopy, and our entire operation has been set up to ensure zero risk of cross-contamination for you and your patients. We currently have over 100 in-house and 160 strategic partner engineers working exclusively in this area, and our advanced production facilities are tailored to deliver guaranteed sterility straight from the pack. What's more, our customer support teams have the expert knowledge accumulated from years of industry experience and are always on hand to assist you.





**2009**

**aScope and  
aScope Monitor**

World's first disposable  
airway endoscope



**2013**

**aScope 3 and  
aView™**

Designed for bedside  
bronchoscopy



**2017**

**aScope 4 Broncho  
and aView 2**

Optimised for intubation  
and bedside bronchoscopy



**2020**

**aView 2 Advance**

Full-HD screen with EHR  
connectivity



**2011**

**aScope 2**

Optimised for intubating



**2016**

**aScope 3 Large**

Improved suction  
capabilities



**2019**

**aScope  
BronchoSampler™**

World's first closed-loop  
system for bronchoscopic  
fluid sampling



**2022**

**aScope 5 Broncho™  
and aBox™ 2**

Developed to meet the  
needs of the endoscopy unit



## KNOW YOU CAN ALWAYS COUNT ON US, EVEN IN TIMES OF CRISIS

### **Continued supply during the pandemic**

Since the coronavirus pandemic began, there's been a greater focus on infection control; and there's been a fundamental shift with government and industry bodies calling for the use of disposable medical devices wherever possible, to prevent cross-contamination between patients and minimise opportunities for the virus to spread.

As the sole provider of single-use bronchoscopes in the UK during the virus's peak, we were committed to doing our utmost to meet the demand for our products.

We focused on maintaining a steady delivery and took steps to bolster the supply of our devices to provide our best possible support to healthcare systems during this time of crisis and beyond. By maximising our production facilities and logistics networks, we have continued work with customers to ensure they receive the products they need for their patients.

**Ambu**  
FOREVER FORWARD

"Where practical, single-use equipment should be used."<sup>1</sup>

**Consensus guidelines for managing the airway in patients with COVID-19**

"If possible, if the SARS infection is proven or suspected, the use of disposable bronchoscopes (e.g. from AMBU) should be considered."<sup>2</sup>

**Bronchoscopy during SARS CoV-2 pandemic. Recommendation of the Swiss Society for Pneumology**

"Single use bronchoscopes have a number of clear advantages: 1) Staff shortages: Where staff are absent there is no requirement to clean scopes; 2) Out of hours bronchoscopy: No requirement to prepare or clean scope; 3) Portability: Small portable screen and scope - reduced requirement for staff; 4) Cross Contamination: No risk of Cross Contamination; 5) Cost: Single use bronchoscopes are not expensive..."<sup>3</sup>

**Irish Thoracic Society Statement on Bronchoscopy and SARS COVID-19**

**30+ national & international clinical guidelines, recommendations & review articles supporting the use of single-use bronchoscopes during COVID-19**

"Disposable bronchoscopes should be used first line when available in patients with suspected or confirmed COVID-19 infection."<sup>6</sup>

**Statement on the Use of Bronchoscopy and Respiratory Specimen Collection in Patients with Suspected or Confirmed COVID-19 Infection**

"We...endorse the statement that "disposable bronchoscopes should be used first line when available" in patients with suspected or confirmed COVID-19 infection... In the current COVID-19 era...single-use bronchoscopes are associated with less staff handling of bronchoscopes prior to bronchoscopy which should reduce the risk of contamination also."<sup>4</sup>

**Single Use Bronchoscopes: Applications in COVID-19 Pandemic**

"Single-use flexible bronchoscopes should be used as they are associated with a reduced risk of cross-contamination."<sup>5</sup>

**The Italian coronavirus disease 2019 outbreak: recommendations from clinical practice**

## REFERENCES

1. Cook TM et al. Consensus guidelines for managing the airway in patients with COVID-19: Guidelines from the Difficult Airway Society, the Association of Anaesthetists the Intensive Care Society, the Faculty of Intensive Care Medicine and the Royal College of Anaesthetists. *Anaesthesia*. 2020;75(6): 785-799.
2. Franzen D, Plojoux J, Widmer A. *Bronchoskopie während SARS CoV-2 Pandemie*. Available from: <https://www.sgpp-sspp.ch/de/covid-19.html> [Accessed 15th October 2020].
3. Irish Thoracic Society. *Irish Thoracic Society Statement on Bronchoscopy and SARS COVID-19*. Available from: <https://aabronchology.org/wp-content/uploads/2020/03/March-19th-Update-Summary>: [Accessed 9th June 2020].
4. Barron S, Kennedy MP. Single Use Bronchoscopes: Applications in COVID-19 Pandemic. *Journal of Bronchology & Interventional Pulmonology*. 2020; 1.
5. Sorbello M et al. The Italian coronavirus disease 2019 outbreak: recommendations from clinical practice. *Anaesthesia*. 2020;75(6): 724-732.
6. Wahidi MM et al. American Association for Bronchology and Interventional Pulmonology (AABIP) Statement on the Use of Bronchoscopy and Respiratory Specimen Collection in Patients with Suspected or Confirmed COVID-19 Infection. *Journal of Bronchology & Interventional Pulmonology*. 2020;(4): 1-5.

# SINGLE-USE BRONCHOSCOPES WITH MARKET-LEADING PERFORMANCE

## aScope 4 Broncho

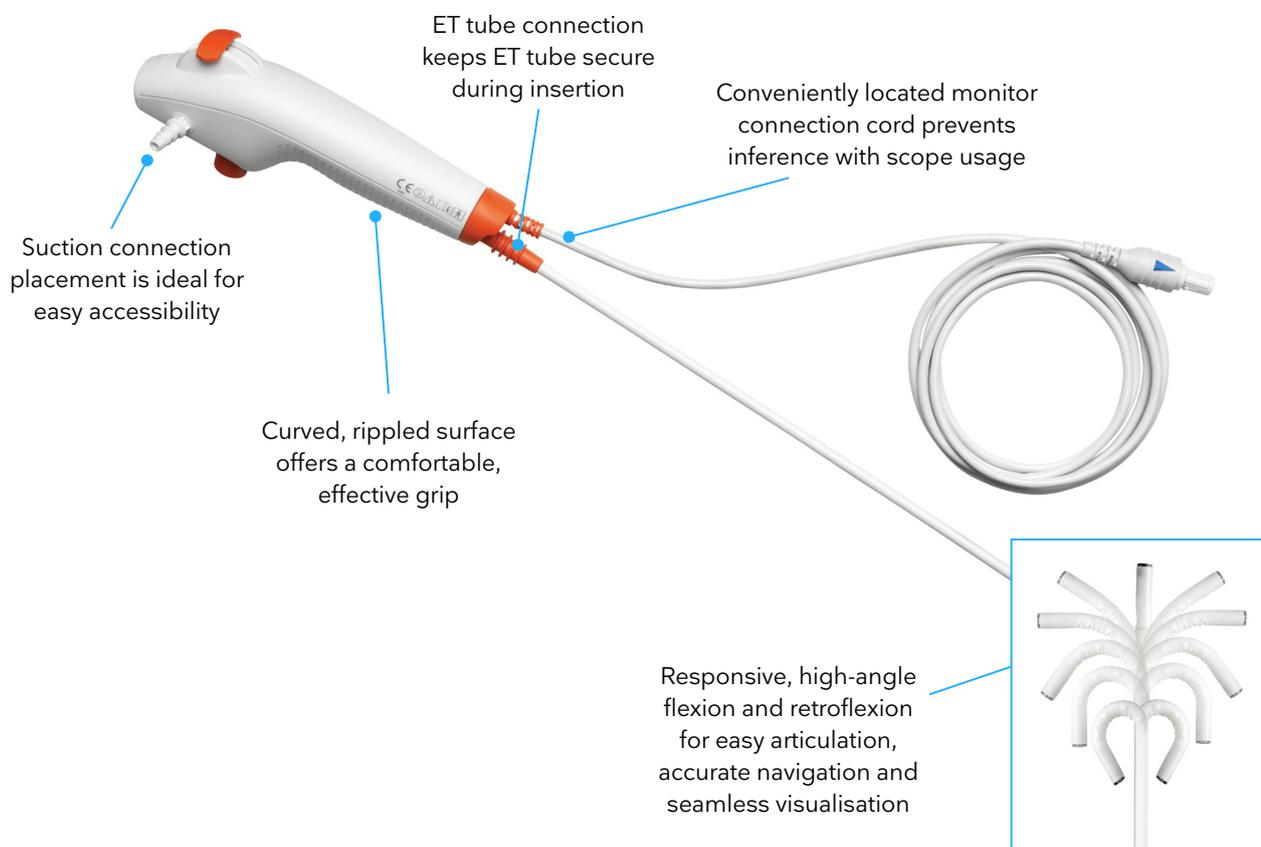
### SINGLE-USE FLEXIBLE BRONCHOSCOPES

- Always sterile with no risk of cross-contamination
- Always available and ready to use
- Eliminates repair costs and limitations of complex reprocessing
- Proven track record from millions of successful procedures and almost 200 supporting studies

The only bronchoscopy solution to be



Technology Programme  
**ENDORSED**



	aScope 4 Broncho Slim	aScope 4 Broncho Regular	aScope 4 Broncho Large
Bending capacity	180° up, 180° down	180° up, 180° down	180° up, 160° down
Insertion cord diameter	3.8mm	5.0mm	5.8mm
Distal end diameter	4.2mm	5.4mm	6.2mm
Working channel diameter	1.2mm	2.2mm	2.8mm
Insertion cord length	600mm	600mm	600mm



## MONITOR PLATFORM WITH EXCELLENT IMAGING AND DOCUMENTATION CAPABILITIES

### **aView 2 Advance Full-HD Monitor with EHR Connectivity**

- Portable 12.8" touchscreen displaying unit
- True 1920 x 1080p full-HD resolution offers excellent imaging
- Adaptive processing and user adjustments facilitate image optimisation
- Connectivity with PACS allows images and videos to be transferred to patient records
- Digital video-out displays live images in high quality on external screens and provides connectivity to content management systems
- Flexible design and intuitive user interface with 180-degree rotation options
- Live image within seconds and over 3 hours battery time
- Upgradeable and repairable





## EVEN MORE SOLUTIONS FOR A COMPREHENSIVE AIRWAY MANAGEMENT SYSTEM

The only  
bronchoscopy  
solution to be



### CLOSED-LOOP SAMPLING SYSTEM FOR BAL & BW

#### **aScope BronchoSampler™ single- use bronchoscopic fluid sampling system**

- Closed-loop reduces risk of sample loss and guarantees sample quality
- Single operator functionality from system assembly to sample procurement
- Vacuum bypass eliminates the need for suction tube switch



## CONTINUOUS VISUALISATION DURING SINGLE LUNG VENTILATION

### VivaSight™ 2 single-use Double & Single Lumen Tubes with continuous visualisation

- Provides real-time visual monitoring during placement and throughout the procedure
- Assists in overcoming modern placement and positioning challenges
- Results in faster and more effective lung isolation.
- Improves patient safety
- Compatible with aView 2 Advance Full-HD Monitor

## SAFE AND EASY INTUBATION

### King Vision™ Video laryngoscope with single-use aBlades

- High-performance visualisation capabilities with advanced imaging technology
- Lightweight, self-contained and battery-operated for portability
- Choice of standard unchannelled or channelled blades to suit the user's technique and/or the complexity of the airway



**aView 2 Advance compatible solution coming soon**

## ALSO AVAILABLE



Laryngeal Masks



Face Masks



Resuscitators



# THE ONLY BRONCHOSCOPY SOLUTION ENDORSED BY THE INFECTION PREVENTION SOCIETY

In 2020, the aScope range became the first of its kind to receive the Infection Prevention Society (IPS) IndustryInsights endorsement. Enhancing infection control in healthcare settings, IPS commended the system's ability to:

- Negate infection risks and outbreaks associated with patients being exposed to contaminated scopes
- Reduce cross-contamination risks associated with scope reprocessing (to patients, healthcare workers, equipment and other scopes)

- Reduce infection risks associated with healthcare workers being exposed during aerosol-generating procedures to e.g. Mycobacterium tuberculosis and SARS-CoV-2
- Reduce environmental contamination
- Reduce the need for antibiotics and the pressures associated with antibiotic-resistant organisms

For more information, visit:

[industryinsights.ips.uk.net/products/ambus-broncho](https://industryinsights.ips.uk.net/products/ambus-broncho)

# LEADING THE WAY IN AIRWAY VISUALISATION



## CLINICAL PROCEDURES

- Airway inspection
- Routine and difficult intubation
- Managing retained secretions
- Bronchoscopic sampling
- Percutaneous dilatational tracheostomy



## INSIDE HOSPITAL

- Intensive care unit
- Emergency department
- Crash carts
- Theatre



## OUTSIDE HOSPITAL

- EMS
- Military
- Aid
- Training

Item code	Product
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### aScope™ 4 Broncho flexible single-use bronchoscopes

476 001 000	aScope 4 Broncho Slim 3.8/1.2
477 001 000	aScope 4 Broncho Regular 5.0/2.2
478 001 000	aScope 4 Broncho Large 5.8/2.8



### aScope™ BronchoSampler™ bronchoscopic fluid sampling system

478 501 000	aScope 4 Broncho Large Sampler Set
477 501 000	aScope 4 Broncho Regular Sampler Set
480 300 000	aScope BronchoSampler Sample Container



### aView™ 2 Advance full-HD monitor

405 011 000	aView 2 Advance
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Our technology is supported by

OVER  
200  
STUDIES



## THE EVIDENCE IS CLEAR

In recent years, the body of evidence supporting single-use bronchoscopes has grown extensively. For aScope Broncho, in particular, there is now a significant bank of clinical studies reporting on its benefit to hospitals and patients, whether that be for preventing cross-contamination and infectious outbreaks, reducing cost or improving workflow, or even how it's playing a key role in minimising the environmental impact of bronchoscopies.



WORKFLOW  
IMPROVEMENT



ENVIRONMENTAL  
IMPACT



INFECTION  
CONTROL



COST  
REDUCTION

### Explore the research

Find us in the published literature at [ambu.co.uk/clinical-evidence](https://ambu.co.uk/clinical-evidence) or popular online databases.

PubMed.gov

ScienceDirect

WILEY

## IMPROVING PATIENT SAFETY THROUGH EDUCATION

### Free training that suits you

Training is fundamental to ensuring you're confident in using our products and can work safely and effectively with them in practice. From the onset, we'll work with you to schedule regular sessions so that you're learning about the latest techniques and guidance, and ultimately so you're implementing the recommendations set out by your industry bodies.

Our training programmes are delivered by our expert team of Clinical Educators. They cover a multitude of topics, each in accordance with the Association of Anaesthetists, Difficult Airway Society and Intensive Care Society, and many are also CPD Accredited to allow you to build up points.



Training is provided at a time and location of your choice and can be made bespoke to your needs; and what's more, they're free!



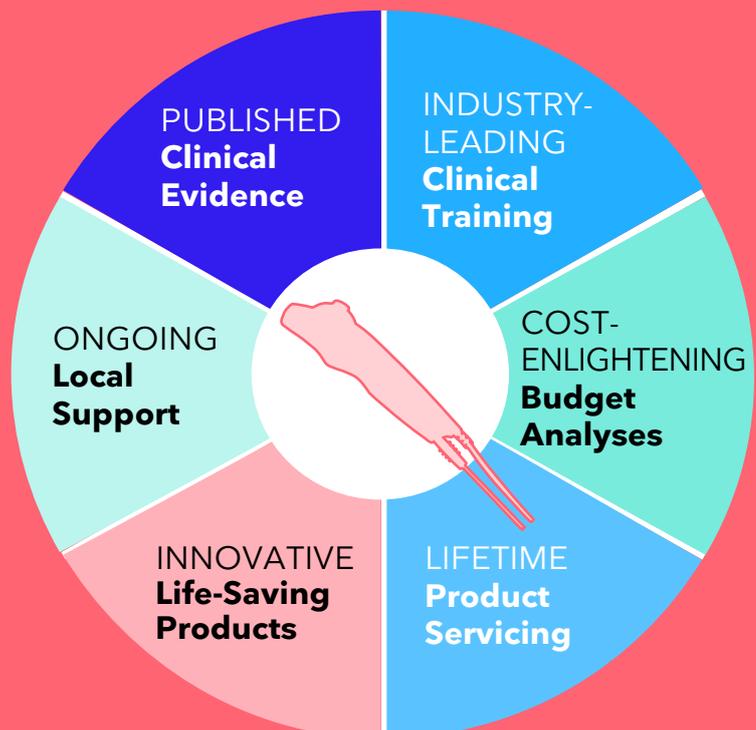
Find out more at [ambu.co.uk/education](https://www.ambu.co.uk/education)

## PROVIDING SUPPORT EVERY STEP OF THE WAY

### Our expert team are always on hand to help you

Ambu has been dedicated to single-use endoscopy for over ten years; and during that time, our team have developed unrivalled industry experience and knowledge.

So whether you have a technical query on our products, would like to learn more about them through our training programmes or require a budget analysis to prove their value for your department, know that you can always count on us to give you the assistance you need.





## **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 the 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 3,000 people in Europe, North America and the Asia Pacific.

For more information, please visit [ambu.co.uk](http://ambu.co.uk)

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