COMEN

Share with the World

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COMEN

X8

Anesthesia Machine

Accurate Control
Integrated Anesthesia Management System

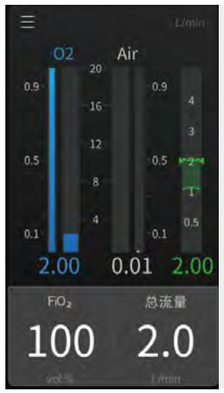
Stable Delivery

49.5ml
Low leakage of breathing circuits

5ml
Neonate mode

7%
Ventilation deviation

1000HZ
Fast response to sampling



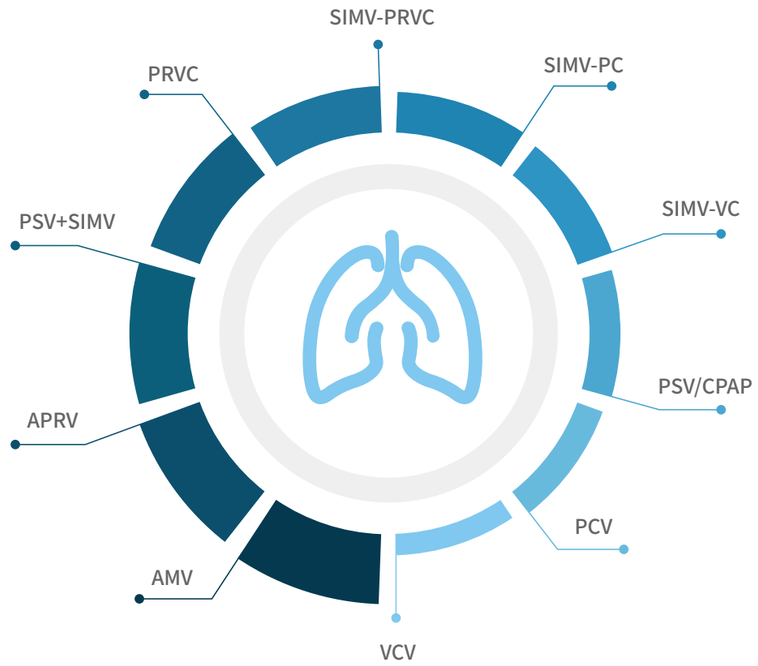
Electronic Flowmeter

Directly set FiO2 and total flow.
You will get what you set.

Econometer

Provide real-time usage of fresh gas,
Guide low-flow anesthesia to prevent waste of anesthetic agent

ICU-level Support



Mechanical ventilation, adaptive ventilation, synchronization ventilation, and support ventilation

Adaptive Minute Ventilation (AMV)

Analyzing the patient's respiratory rhythm and respiratory mechanical characteristics, X8 will automatically switches the mode between controlled and support ventilation.
For surgeries that patient need to has spontaneous breathing and neuro surgeries that patient should stay intraoperative awakening, the AMV mode will ensures the patient's ventilation support while reducing the number of frequent adjustments by doctors.

Airway Pressure Release Ventilation（APRV）

This is a lung protection ventilation mode based on the open lung principle. This mode will provide constant airway pressure with short-term pressure release. APRV has the advantages of recruiting alveoli, improving oxygenation, retaining spontaneous breathing, and facilitating better blood circulation and lung protection.

Integrated Modules

BIS Module

Anesthesia depth indication.

Negative Pressure Suction System

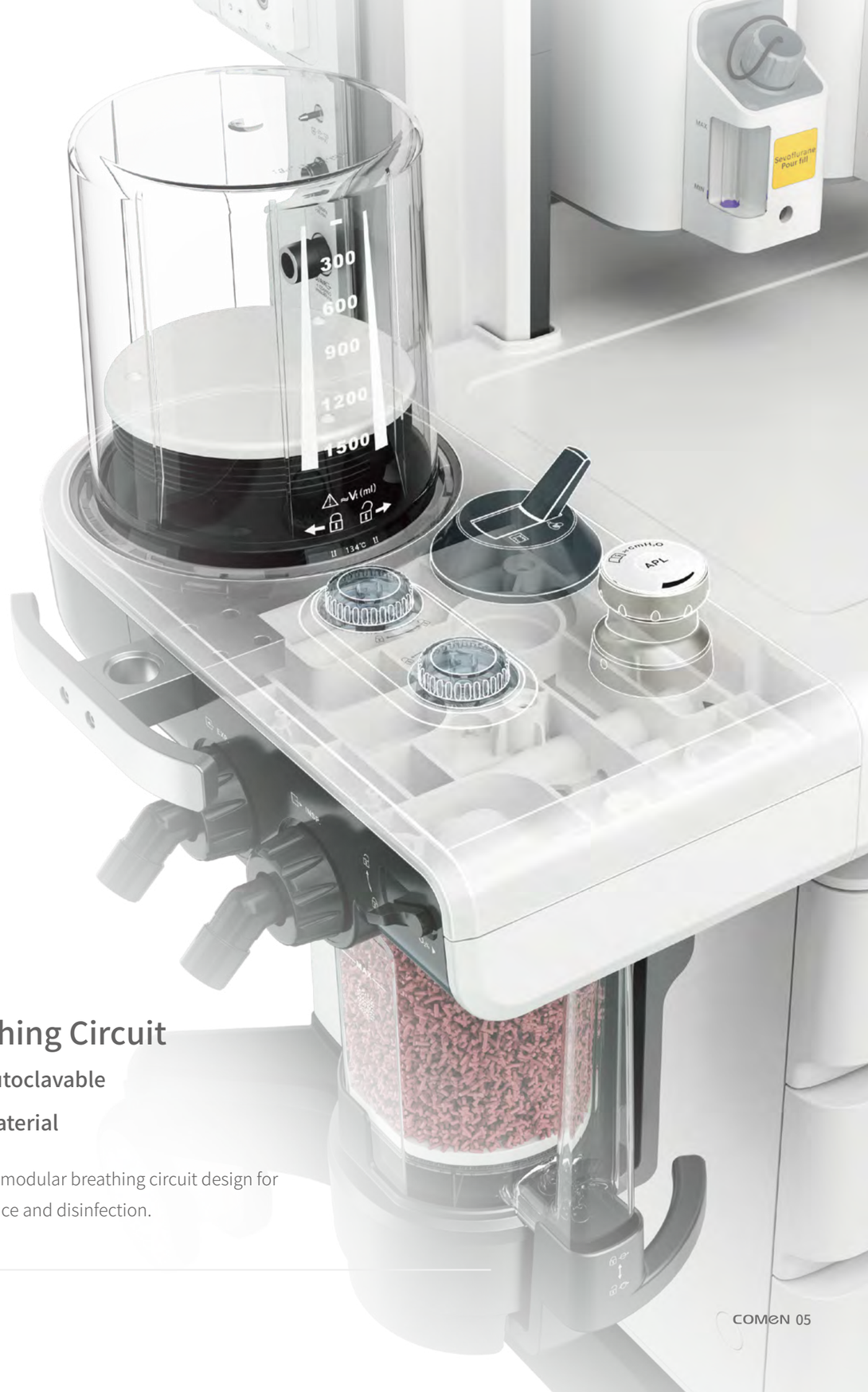
Negative pressure suction system exclusively for anesthesiologists. It will help doctors manage difficult airways and improves intubation success rate.

Built-in AGSS

Actively absorb anesthetic waste gas to better protect the health of medical staff.

Ultra Large Touch Panel

18.5-inch ultra-large capacitive screen allows multiply data display in one screen. 360° rotatable screen provides operators who have different heights and work habits with same comfortable operating experience.



Breathing Circuit

134°C Autoclavable

PPSU material

Integrated modular breathing circuit design for maintenance and disinfection.

Care for Prognosis
Ready for Help Postoperative Recovery

Data Interconnection

Relying on the data platform, information interconnection is realized through data integration equipment. Systematic and continuous data integration not only realizes the whole process management of patients in the perioperative period, but also covers a variety of work scenarios such as emergency, elective surgery, painless surgery and day surgery.

High Flow Oxygen Therapy

21-55%
Surgical patients

48H
Post-operation,
even minimally invasive surgery

Hypoxemia Due to Insufficient Preoxygenation

Unique Ultrasonic Oxygen Concentration Monitoring Technology

Monitor the flow rate and oxygen concentration of the patient's output and input ports.
No calibration required for life
No need to replace consumables
Safer and more efficient.

HFNC Clinical Application

Continuous high-flow, high-concentration oxygen delivery prolongs the safe asphyxia time of patients, especially those with difficult airway, improves the safety of endotracheal intubation, and reduces the probability of hypoxemia.

Tools for Perioperative Lung Protection Strategy

Lung Recruitment Tool

Single-cycle/multi-cycle lung recruitment tool
Based on PEEP increment method, X8 monitors patient compliance on the same screen, making it easier for clinicians to titrate the patient's PEEP.

Low Tidal Volume

VT/IBW tool will calculate the ideal tidal volume. To provide proper low tidal volume for patients, X8 correct recommended tidal volume with the patient's inspiratory plateau pressure.

Reduce the Risk of Atelectasis in Patients

Esophageal pressure monitoring
The first anesthesia machine in China with integrated esophageal pressure monitoring function
Sigh ventilation
inspiratory hold and expiratory hold function

Protect Patients' Lung Function

More spontaneous breathing ventilation modes

Smart Anesthesia

Safe Management

Quick startup and rapid self-tests can save more time for emergencies. Visual self-checking procedures can be displayed intuitively to guide anesthesiologists in operation.

Gas usage monitoring and anesthesia consumption warnings
save energy and be efficient.

Soda lime tank in-place reminder for closed-loop clinical operation can reduce leakage risks.

Review and print anesthesia data to archive undetected clinical risks.

More Auxiliary Tools

Auxiliary oxygen supply: 0-15L/min

2L Volume

- Central brake
- Oxygen flush: 25-75ml/min
- ACGO
- APL valve with quick release