

COMEN

Technical specification

Dimensions	773.5mm*1380mm*598mm
Power supply	100-240V
Screen	10.4" color TFT LCD touch screen
Back up battery	150min
Tidal Volume	15-1500ml(VCV)
Ventilator	Pneumatic driven and electronic control
Inspiratory flow range	1-100L/min
Oxygen flush	25-75L/min
Leakage	<75ml/min
CO ₂ canister	1.5L
Pipeline Gas supply	O ₂ , Air
Position of vaporizers	2
Vaporizer mounting system	Selectatec, interlock
Flowmeter	4 channel mechanical flow-meter
Electronic PEEP	Standard
Barke	Individual braking system
Ventilation modes	PCV, VCV, SIMV-VC, SIMV-PC, PSV
Monitor parameters	Tidal volume, O ₂ concentration, airway pressure, breathing frequency, minute volume, PEEP
Alarm	Airway pressure, Oxygen failure alarm, Apnea alarm, Breathing rate alarm, O ₂ concentration
ACGO	Optional
CO ₂ monitor module	Optional
AG monitor module	Optional
AGSS	Optional
Breathing system(bypass)	Optional



AX-500
Anesthesia Machine

Shenzhen Comen Medical Instruments Co., Ltd.

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Our Partner

All from the world's leading suppliers in anesthesia medical materials field, e.g.SOLVAY, STEINCO, DRAGER, PARKER and so on.

Our Technology

High quality ventilation platform suitable for patients from pediatric to geriatric , high to low acuity, simple to complex cases all adapt. COMEN anesthesia Systems offer you the choices you need in ventilation, monitoring and technique.

- Touch control screen design, simple user interface for fast operation
- Speed startup, self check, automatic leakage test, CO₂ by-pass, provide you more perfect workflow and distinctive clinical operation experience
- From appearance design, operation system to AGSS, high temperature sterilization, COMEN anesthesia machine provides state-of-the-art therapy solution
- 1500ml ascending bellows, one bellows and one circuit for all patients
- Integrated breathing circuit system, built-in flow sensors
- Anesthetic gas and CO₂ measurement optional, modular design
- Rail at each side and the top shelf feature good Patient monitoring and other equipments installation

Working closely with you and listening to medical professors around the world, we know what really impacts your practice, We know that a compact, integrated anesthesia delivery system can help you deliver attentive care. So a well-designed, user-friendly system that lets you focus on your patients, not on the equipment was born.

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Precise and Reliable Ventilator

- Minimum tidal volume down to 15ml
- Digital flow valve and precise dual flow sensing technology, more accurate control, faster response
- SIMV/ SIMV + PS help simplify the work of caring for spontaneous breathing patients when weaning
- Advanced PSV Ventilation (with apnea backup) make patients with spontaneous breathing more comfortable
- Automatic compensation maintain accurate tidal volumes, and ensure that what you set is what you get
- Comprehensive respiratory mechanical parameters monitor, real-time waveforms display, optimizing clinical decision
- Electronic PEEP function

Modular Design

- Phasein CO₂ & AG module optional
- Automatically identify CO₂, N₂O and 5 Anesthetic Gases, CO₂ waveform available
- Monitoring modules Can be shared with our modular monitor, cost effective
- A connector allows the sampling gas to return to the scavenging system

Mechanical Flowmeter

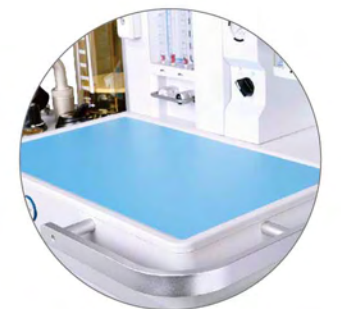
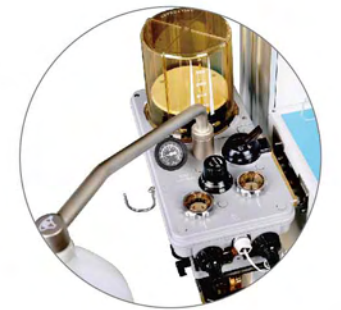
- Individual flow controls with dual flow tubes provide simple, precise control, facilitate easy and accurate minimal / low flow anesthesia

Excellent Breathing Circuit

- High integration, small and compact design, greatly reduces the potential for leaks and misconnects
- Material: PPSU, fully autoclavable at 134°C and nature latex free
- By-pass function, available for canister exchange during surgeries
- Easy removal-no tools required, convenient for clean and maintenance
- One hand installation to CO₂ canister, fast and healthy
- Faster response-ideal for low flow anesthesia

Ample Workbench – large table

One-hand Installation CO₂ Absorber Canister





AGSS, Effective Removal of Anesthesia Gas from the Working Area

- We know anesthetic gas is harmful to us, e.g. causing nausea, dizziness, headaches, fatigue, and irritability, as well as sterility, miscarriages, birth defects, cancer, liver and kidney disease
- Anesthesia waste gas in the operating room is always plaguing the construction of laminar flow operating room
- In order to better protect the health of workers and solve the pollution in the laminar flow operating room, Comen adopts the leading technology in this field and has developed a closed-type active scavenging system, and solve your worries



Roomy Drawer

- Make your paperwork and medical articles more systematical

Clear and Intuitive User Interface

- Large touch control screen design
- The setting and measured value of ventilation displayed on the same screen helps make the management of gas delivery more safe and effective
- Comprehensive monitoring, multi-selectable displays, e.g. 4 waveforms, anesthesia gas monitoring and big font display
- 2000 event records of settings, technical and physiologic alarm
- Intelligent alarm management



Alarm setting interface



Advanced ventilation mode