

The ENT Workplaces with Functionality and Design
ATMOS C 31



Elegant,
sophisticated,
and easy to use

Sample workplaces



Before ATMOS

Before ATMOS

Do your exam rooms have a cluttered feel with several stools around, and equipment on separate stands? Is there very little room to keep clean and contaminated instruments apart? Are you charting files on your lap? Do routine procedures take too long or require assistance because the necessary tools are not within reach? For quality medical equipment that will not only save time but also turn exam rooms into organized, professional environments consider ATMOS Workstations.



With ATMOS

With ATMOS

The ATMOS C 31 is the perfect integration of superior quality equipment in an efficient, ergonomic workstation. From the minute your patient sits on the comfortable exam chair that can be easily rotated to the correct position, the office visit becomes a more pleasurable experience for both patient and doctor. Ear irrigations can be completed in seconds since the water supply and instruments are right at your fingertips in the workstation. Compressed air sprayers and suction tools are instantly activated when the handles are lifted. The microscope illuminates for enhanced view as soon as it is grasped. With accurate monitors and visualization systems a diagnosis can be made easily and charted electronically.

ATMOS has been a leader in quality ENT equipment for over 100 years. With proven efficient workstations, such as the ATMOS C 31, your job won't just get easier it will get better! Welcome to ATMOS.

Quality, comfort, and convenience – that's the ATMOS difference.





ATMOS C 31: Benefits



The screen capture feature in the ATMOS Endoscopy program allows both doctor and patient to view findings.



Heated Endoscope holder for anti-fog procedures.



Warm Laryngeal mirror and other instruments quickly for patient comfort without fogging problems.



Integrated camera and stroboscopy fits into the workstation perfectly.



Ear rinsing procedures are completed quickly while protecting the patient's clothing at the same time.



Using the microscope with the ATMOS C 31 allows efficient hands-free completion of procedures.



Automatic switches instantly activate for suction, compressed air, light cables, or ear rinsing as handles are lifted.



Spray medications only require one hand to connect to the compressed air system.



Double deposit tray conveniently stores all instruments within reach.

ATMOS C 31: A complete workstation



Visualization of Diagnostic Results

The ATMOS Cam 21 ENT camera offers perfect image quality and easy handling for endoscopes and microscopes.

Cam 21

Digital zoom CCD camera for endoscopy, microscopy, and video stroboscopy.

LED Stroboscopy

Immediately determine benign and malignant lesions of the vocal cord.





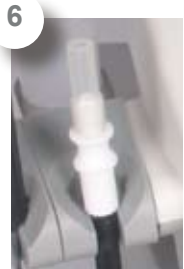
3 Patient Chair
Always have the patient in the correct position with dual chair features. The backrest moves 10° forward, and the seat plate adjusts 90° to the left or right.



4 Ear Irrigation
With the water system integrated into the workstation an ear irrigation can be completed in seconds.



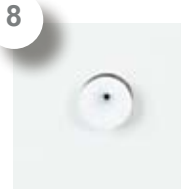
5 Sprayers
Connection of the sprayer can be made with one hand while the compressed air system automatically activates when the handle is lifted.



6 Suction
Quiet, powerful suction system has a double protection bacterial filter that protects pump from overflow. The vibration-free pump can be used with microscope.



7 Hygiene
Individual waste bin and deposit tray keep clean and contaminated instruments separated.



8 Hose Rinsing
Clean cannula and suction tube before blockage occurs with the hose rinsing system.



9 Headlight
Lightweight, hands-free headlight exam set. Li-Ion battery can be recharged quickly. Headlight has a lifetime of 10,000 hours.



10 Organization
Everything has its place in the ATMOS workstation: Endoscopes, Atomizers, Otosopes, and all handles.



11 Microscope
As the microscope is gripped it automatically illuminates for superior view.



12 Automatic Function
With the lift of a handle functions are instantly activated.



13 Light Sources
The light source offers double heat protection filters, four lights, longer lifetime, and memory brightness adjustment for endoscopes and microscopes.



14 Clear Plastic Lid
The clear plastic lid protects instruments in the deposit tray.

ATMOS C 31: Basic Workstation



506.7900.2

ATMOS C 31 and Unit Cabinet includes:

- Suction system: air-flow rate, max. 40 L./min vacuum 76kPa, infinitely variable.
- Collection jar: 42 fl. oz. (1.25 L) with overflow safety and bacterial filters; autoclavable.
- Suction hose holder with automatic switch.
- Cold-light system, 4 light outputs 24V/150W has 300 hours of durability per lamp; 2 heat insulation filters; automatic memory per output.
- Light cable holder with automatic switch.
- Compressed-air system complete with 3 medication sprayers, and sprayer holder.
- Replacement tips; 2 straight, 2 twin tube.
- Ear rinsing system, 99° F (37° C), independent of water supply and waste water; irrigation handle with changeable jet connection; autoclavable; stainless steel container 1.2 Gal. (4.5 L) capacity; easily cleaned and disinfected.
- Ear rinsing bowl, autoclavable, with holder.
- Laryngeal mirror heater.
- 3 heated Endoscopes with holders.
- 2 Endoscope protective holders; teflon
- Storage quivers for Endoscopes; 2 flexible, 2 rigid.
- Headlamp suspension with automatic light switch.

Unit Cabinet with transparent cover includes:

- Instrument deposit trays with ball guides; instrument storage on first level slides backwards to reach instrument; storage on second level.
- 8 instrument trays.
- 2 base cabinets with open storage compartments; two drawers for depositing used instruments and waste bin; two writing and working surfaces slide out for comfort.
- Light cable with 90° connection.

Microscope

- ENT Diagnostic Microscope ATMOS Mikro 02, Objective f=200mm, Widefield straight tube f=125mm, 2 widefield oculars with 10x magnification, 3-step magnification changer, handle, and automatic on/off switch.
- Hose rinsing system for cleaning cannula, suction attachment and secretion hose.
- Otoscope charger holder.
- Fiber optic cable, 90° connection.
- 115V/60 Hz.
- Dimensions: H 7' x W 5' x D 25".
- Basic colors: grey-white and single-colored in medium-grey
- Trim colors available: yellow-orange, bordeaux, turquoise, sapphire-blue, dove-blue, or grey-white.



Yellow-Orange



Bordeaux



Turquoise



Sapphire-Blue



Dove-Blue



Grey-White



ATMOS C 31: Upgrades

The following items are available as upgrades for the ATMOS C 31 Workstation.



Suction System

- 506.7008.0 Silent Suction system with higher air-flow rate of 55 L/min, and higher maximum vacuum of -98kPa.
- 506.7035.0 Standard rail for depositing disposable collection jars; left side wall mounting; jars not included.
- 310.0221.0 Receptal® external container 50 fl. oz. (1.5 L).
- 320.0220.0 Retaining bracket for Receptal® container or for glass jar 68 fl. oz. (2 L).
- 320.0222.2 Receptal® suction bags 1.5 L with integrated overflow valve filter, 50 pcs.



Roll top lid protects instruments on deposit tray.

Instrument Cabinet

- 506.7050.1 Instrument deposit trays; instrument storage on lower level slides forward.
- 506.7730.0 Roll top lid protects instruments.
- 506.7034.0 Tongue patch and cotton swab dispenser can be combined into Unit Cabinet or Instrument Cabinet instead of a writing surface.



Tongue patch and cotton swab dispenser show in yellow-orange trim color.

ATMOS C 31: Upgrades



Light / Headlight

- 507.4505.0 Cable-free headlight. Lithium-ionic battery weighs 50% less without memory effect. The lifetime white-light LED can be used for up to 10,000 hours.
- 502.0515.5 CLAR 73 Headlamp; fiber optic cable is 7.22 feet in length (2.2 m).
- 502.0515.0 Binner Headlamp; fiber optic cable is 7.22 feet in length (2.2 m); 90° connection.



Otoscope

- 507.0406.0 Otoscope charger.
- 507.0403.0 ENT Diagnostic Otoscope set includes; high-end diagnostic otoscope; rechargeable handle with Li-Ion battery; 6 reusable specula, and 10 disposable specula, comes in 4 mm hard case.



Zeiss Microscope (Upgrade from ATMOS Mikro 02)

- 506.7022.1 Zeiss Microscope OPMI pico
- Objective f=250 mm, wide field straight tube f=170mm.
- Two oculars with 10X magnification comfortable for those with glasses; five magnification changers in 0.4x to 2.5x.
- T-handle, noiseless cold light from workstation, and dust cover.
- Beam splitter with integrated camera connection.



Stroboscopy: ATMOS Strobo 21 LED

- 507.4700.0 Noiseless stroboscope with flashing light, and continuous light for larynx diagnosis.
- Includes LED light source with 10,000 hour lifetime for direct connection to existing laryngoscopes.
- Freeze image with variable phasing and slow motion mode, with adjustable foot pedal. Comes with Microphone, foot control and LED light source.



Visualization: ATMOS CAM 21

- 507.4100.1 ATMOS CAM 21; high-resolution 1/3" CCD camera with light sensitivity for endoscope, microscope, and video stroboscope. Camera head has integrated video adaptor and digital zoom up to factor 1.7 v.



- 700.0015.1 Record, archive and document findings with ATMOS MedDoc Software. Diagnosis and search function. Reports can be transferred easily into Microsoft Word using a template for patient data.

15.1" TFT monitor on column carrier arm; medical grade.



Endoscope

- 950.0151.0 ATMOS Laryngoscope, 70°, Ø10 mm, autoclavable; 195 mm in length.

- 950.0181.0 ATMOS Endoscope, 4 mm wide angle optical system, 45°, autoclavable; 180 mm in length.

- 950.0161.0 ATMOS Endoscope, 2.7 mm optical system, 30°, autoclavable; 145 mm in length.



- 950.0169.0 ATMOS Naso-pharyngoscope Ø3.6 mm, 300 mm in length with detachable light cable. Direction of view: 0° angle; 70° field of view; 5-50 mm depth of field; articulation range 135° up/down.



- 950.0169.2 Gauge-style leak tester

- 510.0650.0 Endoscope light output located in front for easy connection of flexible scopes utilizing integrated cable.



Instrument Set

- On request Set of basic instruments for daily examination procedures including: Farrell twist applicator cannulas, curettes, forceps, knife handle, loops, hooks, mirrors, scissors, spatula, suction tubes, and forks. All are German-crafted instruments of the finest premium grade stainless steel.



Patient Chair E 2

503.0336.1 Electronic high adjustment using pedal switch, upper part of chair rotates 360° and has armrests on both sides, the seat plate itself turns 90° in either direction; backrest inclines 10° forward and 90° backward; synchronous coupling of foot support and armrests, headrest is adjustable and detachable; armrests are removable; footrest can lift up for comfort.

Seat height 21"-29" (54-74 cm), 115V/60Hz.

Covering: Airpor (A) acc. to shade card.

Patient Chair E 2 e

503.0338.1 This chair is the same as above, but also features a pedal switch to operate an electronic backrest movement.



Doctor's Chair

508.0664.0 Doctor's chair "ten-o-mat 316"
Five soft double conductive castors, height adjustment by gas-lift system, backrest height adjustable.

Seat height 21"-29" (54-74 cm).

Covering: Airpor (A) acc. to shade card.

Technical Specifications

Voltage power:	115V~ +/- 10%, 60 Hz, 1150W
Suction system:	40 L/min, vacuum 0... -76kPa infinitely variable, collection jar: .33 Gal. (1.25 L) autoclavable
Cold-light system:	4x pin socket lamps 24V/150W (ATMOS C 31)
Compressed-air system:	20 L/min, infinitely variable up to 250 kPa
Dimensions (W x H x D)/Weight:	7' x 5' x 25", basic model 190 lbs. (70 kg)
Protection class/Category:	(EN 60601-1): I, IPX0
Classification:	acc. to Annex IX 93/42 EEC: IIa
Fulfillment of the safety standard:	EN 60601-1: 1990 + A1: 1993 + A2: 1995 / EN 60601-1-2: 1993 (EMV/EMC) EN ISO 10079-1: 1996 / EN 60601-2-18: 1996, EN 1717

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ATMOS has been certified according to ISO 9001 and ISO 13585