ATMOS S 61 Servant

With the latest technology, exclusive design and outstanding modularity.
ATMOS – Innovation out of tradition

**The practically orientated resident doctor**
No ENT workplace can survive without an ergonomically arranged treatment system. Sometimes it is underestimated on how important it is to have your devices arranged properly and how this can influence the working conditions.

**The design orientated resident doctor**
When you enter the design orientated treatment room you will immediately feel the pleasant atmosphere.

**The outpatient department - dynamic & practical**
The outpatient department in clinics gives you the perfect working area in order to determine the ENT status of your patients as quick as possible.

The new endoscopy module also revolutionizes space requirements, even for the smallest working areas!

**The chief physician's consultation room – the exclusive unicum**
The chief physician’s room provides you with everything you need to conduct a perfect examination. Thanks to the latest methods, devices and an organized workplace you can offer your patients an exclusive treatment.

**The ward – organized and structured**
In the clinic you have a perfectly organized workplace for the smooth workflow during the working day – from the diagnosis up to a mini operation.
The right concept for everyone – even for you!

Prof. Dr. Maurer, Koblenz

*The concept of the various modular units from ATMOS is outstanding. I like the functional and appealing design. Due to the planning and realization of the ergonomics a perfect workflow can be achieved, therefore it is a pleasure to work with the ATMOS treatment system. It is rounded off with an individual and effective consultation concept.*
ATMOS Scope is a revolutionary way of flexible endoscopy/stroboscopy based on the special new shape of the handle. The innovative ergonomic handle of the ATMOS Scope allows more comfortable holding and simplifies the application at the patient.
As an all-in-one-solution, the ATMOS Scope integrates the individual components LED light source, camera and microphone into the flexible endoscope.
The ATMOS Scope also fits perfectly together with the visualisation solutions on ATMOS ENT treatment units.

**The integrated solution**
Can be integrated into ATMOS ENT treatment units.

**The Stationary Solution**
Every available video monitor can easily be turned into a video diagnosis station with the ATMOS Scope.

**The mobile solution**
The ATMOS USB nasopharyngoscope in connection with for archiving patient information.
The special features:

**Integrated microphone for stroboscopy**

The microphone is integrated into the ATMOS Scope handle. It can be easily removed for cleaning and can be put back just as easily. Stroboscopy in connection with the ATMOS Strobo 21 LED.

**Homogeneous light**

An integrated LED system provides bright and homogeneous light. Changing light bulbs and conductors is thus rendered unnecessary. Further information on the ATMOS LED technology can be found in our separate flyer.

**Chip-on-the-tip-technology**

ATMOS Scope is ATMOS MedizinTechnik’s first flexible full-format endoscope with chip-on-the-tip-technology. The result: wide-angle images in very high quality.

**Easy Handling**

Thanks to optimised video pre-settings, camera setting and white balance are no longer required. The device automatically switches to the desired stroboscopy mode.

Keys for:
- Start-stop by video recording
- Saving single images is possible in connection with the ATMOS MedDoc software

**All-in-one handle**

In the handle, there are:
- an LED light source
- a microphone pre-amplifier and removable microphone
- camera electronics
- mechanics for controlling the angle

**A trend-setting handle**

The innovatively-shaped handle of the ATMOS Scope embodies an entirely new way of performing endoscopy/stroboscopy, allowing insertion of the probe without any problems and examination of ear, nose, pharynx and larynx without any signs of fatigue.
ENT diagnostic technology par excellence

The new, integrable ergonomics for the daily ENT diagnostics

Rhinomanometer, Tympanograph and A-Scan optionally in one cabinet. On request the software communicates with your database enabling data backups. These diagnostic modules can also be connected to your practice software or to HIS.

This is modern diagnostic in today's medical field!

A demonstration of the workflow with the ATMOS Diagnostic Cube can be found: www.atmosmed.de

- When the handle is removed from the iHandle the software is automatically activated.

- Easy handling due to the intuitively operated touchscreen.
The modules

ATMOS Diagnostic Cube

The core piece of the ATMOS diagnostic system with the interface to the computer, the power supply and the connections for the footswitch and iHandle.

The cube is supplied with the network-compatible diagnostic software, a patient management and all necessary drivers.

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Module Sono 31

The A-Scan-module is used to perform quick maxillary and frontal sinus diagnostics at the ENT workstation.

Functions:
- Individual, sinus-specific acoustic gain parameters for maxillaris and frontalis
- Additional gain curves for cysts as well as an overall gain.

Module Rhino 31

The rhinomanometry module enables the anterior measurement optionally with the nose mask or nose olives.

Functions:
- Determination of pressure, volume flow and nose resistance
- CAR algorithm
- Comparative display of measurements for the provocation test

Module Tymp 31

The tympanometry module with integrated high frequency tympanometry and depending on the age parameter adjustment has an ergonomically shaped probe handle with an LED status indicator and shift key button for changeover.

Functions:
- Multi-frequency tympanometry
- Stapedius reflex measurement (ipsi-, optional contra- lateral)
- Eustachian tube function test
- Reflex-decay test as an option

Figures show different device versions!
Sometimes due to the lack of space in ambulances or in small doctor’s practices all the necessary functions cannot be ergonomically positioned as desired. Now ATMOS has the solution. The new ATMOS endoscopy module (optional with LED technology) offers the perfect ergonomics for minimal space requirements.

The ATMOS endoscopy module (optional with LED technology) can be attached to your available ENT treatment system ATMOS S 61 Servant and therefore extended at any time.

The excellent light quality and the compact design give you the possibility to fully equip even small practices and outpatient departments.

Further details on page 16!

Comparison of different light sources
Assess for yourself the comparison between the different light sources and the pleasant colour temperature:
The special features:

High-power LEDs
Daylight quality and an outstanding light intensity of 210 kLux (comparable to 250 W halogen) due to the specially developed optimized lighting system. Patent pending!

Endoscope management
Clean and used endoscopes can be hygienically separated and stored. Optionally the endoscope quivers are also available as a heated version in order to prevent fogging.

Energy-efficient
More light intensity than 150 watt halogen
by only 9 watt electric power!

Extremely space saving
It even fits in the smallest outpatient department.

Automatic switching of the light channels
The respective light source switches on automatically when the endoscope is removed from the support. Alternatively a manual operation via buttons is also possible.

Automatic switching of the headlight hook
The headlight is switched on automatically when you remove it from the hook (optionally available).

No more bulb exchange
due to the extremely long service life of the high-power LEDs (50,000 h).

No disturbing fan noise
due to the passive cooling.

Flexible adapter system
Applicable on all common makes (ATMOS, Storz, Wolf, Olympus, Pentax, ACMI).

We are gladly prepared to advise you on the optimization of your workflows!
The practically orientated resident doctor

Dr. Kassuhn, Braunschweig

“What I can say about the ATMOS S 61 Servant?

- Good suction
- Good ear irrigation
- Good quality
- Sturdy and durable!”
The amount of space in the ENT outpatient department is becoming increasingly limited. However, you do not want to limit your treatment possibilities. The modular concept of the ATMOS S 61 Servant guarantees the perfect use of space.

Retrofitting
Due to the advanced modular system all modules can be upgraded at a later date by an ATMOS service technician.

Integration with other makes is also possible.
Even if you possess devices from other manufacturers, you do not have to renounce the reliable ATMOS technology.

Integrated diagnostics
Due to the integration of your examination treatment devices and automatic switching a significant time-saving can be achieved.

Modern and functional design
Your patients should feel comfortable in your practice. An appealing design and a wide choice of colours create a pleasant surrounding.

A high standard of hygiene
The concept of the treatment unit starts with hygiene:
- Clear separation between clean and contaminated area
- Instrument management
- Endoscope management with control of disinfection time are only some features.
The design orientated resident doctor

"The ATOMS ENT systems provide reliable technology at a top price/performance ratio. Due to the timeless and appealing design and with a huge variety of colours to choose from, the treatment systems can be ideally integrated into one's own practice-concept."
**Modern and functional design**  
Your patients should feel comfortable in your practice. An appealing design and a wide choice of colours create a pleasant surrounding.

**Modularity / Use of space**  
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Outpatient department – dynamic & practical

Prof. Dr. Maurer, Koblenz

“The large depositing surface and the functionally positioned devices enable an optimum workflow. In regard to reliability and service over the years we have had extremely positive experience with ATMOS.”
The approved solution

Create space for yourself and do not miss out on the reliable technology!

- **Modern and functional design**
  Your patients should feel comfortable in your practice. An appealing design and a wide choice of colours create a pleasant surrounding.

- **Several storage possibilities**
  Due to the intelligent instrument management you have plenty of storage space.

- **Modularity / Use of space**
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### The modules

#### ATMOS S 61 Servant ENT workstation
- Suction equipment
- Ear irrigation / thermal nystagmus stimulation
- Compressed air
- Light module / economy
- Instrument management

#### ATMOS S 61 Servant vision
- Light modules
- Headlights
- Endoscope management
- ENT camera
- LED Stroboscope
- MedDoc Archiving system

#### ATMOS S 61 Servant instruments XXL
- Waste bin
- Deposit for used instrument
- Drawers
- Instrument management
- Extractable writing surface

#### ATMOS S 61 Servant system
- Microscope
- Instrument deposit
- Monitor shelf
- Monitor arm

#### Microscope
  The integration of a high-quality examination microscope offers various advantages:
  - Sturdy vibration-free suspension
  - Irrespective on the type of room also suitable for relocation within the practice/clinic.

#### ATMOS patient chairs
- Efficient workflow
- Optimal patient positioning
- Individual colour design
The new outpatient solution from ATMOS:

Due to the development of the new LED light module with new endoscopy management, the ATMOS S 61 Servant solves two problems:

1. Considerable higher light intensity (210 klux) compared to common halogen light sources.
2. Additional instrument management on less space – something which is very important for small outpatient departments in clinics.

Jörg Pahlke,
Business Unit Manager
System Integration
ENT/Gynaecology
Both large and small: The outstanding LED technology from ATMOS will open your eyes!

Our latest challenge which we developed based on the conversations with you and your colleagues:
For limited space options the powerful light module “ATMOS S 61 Vision” has now been strongly compressed.

Further information on page 8!
Chief physician's consultation room – the exclusive unicum

Prof. Dr. Lang, University Clinic Essen

“ATMOS offers a wide range of colours therefore you can give your consultation room an individual design. One has plenty of storage space therefore everything is tidy and very organized. The reliable technology from ATMOS is also impressive. In a nutshell it is a pleasure to work with the treatment system.”
The concept for maximum demands

- **Modern and functional design**
  Your patients should feel comfortable in your practice. An appealing design and a wide choice of colours create a pleasant surrounding.

- **A wide range of colours**
  You have the choice between 200 RAL colours and with it the possibility to perfectly adapt your ENT workstation to the surroundings.

- **Modularity / Use of space**
  The amount of space in the ENT outpatient department is becoming increasingly limited. However, you do not want to limit your treatment possibilities. The modular concept of the ATMOS S 61 Servant guarantees the perfect use of space.

- **Retrofitting**
  Due to the advanced modular system all modules can be upgraded at a later date by an ATMOS service technician.

- **Integrated diagnostics**
  Due to the integration of your examination treatment devices and automatic switching a significant time-saving can be achieved.

- **Integration with other makes is also possible.**
  Even if you possess devices from other manufacturers, you do not have to renounce the reliable ATMOS technology.

- **A high standard of hygiene**
  The concept of the treatment unit starts with hygiene:
  - Clear separation between clean and contaminated area
  - Instrument management
  - Endoscope management with control of disinfection time
  are only some features.

The modules

**ATMOS S 61 Servant ENT workstation**
- Suction equipment
- Ear irrigation / thermal nystagmus stimulation
- Compressed air
- Light module / economy
- Instrument management

**ATMOS S 61 Servant vision**
- Light modules
- Headlights
- Endoscope management
- ENT camera
- LED Stroboscope
- MedDoc Archiving system

**ATMOS S 61 Servant instruments XXL**
- Waste bin
- Deposit for used instrument
- Drawers
- Instrument management
- Extractable writing surface

**ATMOS S 61 Servant system**
- Microscope
- Instrument deposit
- Monitor shelf
- Monitor arm
The ward - organized and structured

Michael Weis, Service Manager

„For many years, ATMOS has been a strong and solid partner for a lot of ENT clinics worldwide. Our service team is always anxious for keeping several 100 ENT workstations in good working condition in order to avoid downtime.“
The ward - organized and structured

- Modern and functional design
  Your patients should feel comfortable in your practice. An appealing design and a wide choice of colours create a pleasant surrounding.

- Many storage possibilities
  The intelligent storage system offers many storage possibilities.

- Modularity / Use of space
  The amount of space in the ENT outpatient department is becoming increasingly limited. However, you do not want to limit your treatment possibilities. The modular concept of the ATMOS S 61 Servant guarantees the perfect use of space.

- Retrofitting
  Due to the advanced modular system all modules can be upgraded at a later date by an ATMOS service technician.

- Integrated diagnostics
  Due to the integration of your examination treatment devices and automatic switching a significant time-saving can be achieved.

- Integration with other makes is also possible.
  Even if you possess devices from other manufacturers, you do not have to renounce the reliable ATMOS technology.

- A high standard of hygiene
  The concept of the treatment unit starts with hygiene:
  - Clear separation between clean and contaminated area
  - Instrument management
  - Endoscope management with control of disinfection time are only some features.

We meet your requirements!

The modules

- ATMOS S 61 Servant ENT workstation
  - Suction equipment
  - Ear irrigation / thermal nystagmus stimulation
  - Compressed air
  - Light module / economy
  - Instrument management

- ATMOS S 61 Servant vision
  - Light modules
  - Headlights
  - Endoscope management
  - ENT camera
  - LED Stroboscope
  - MedDoc Archiving system

- ATMOS S 61 Servant instruments XXL
  - Waste bin
  - Deposit for used instrument
  - Drawers
  - Instrument management
  - Extractable writing surface

Microscope
  The integration of a high-quality examination microscope offers various advantages:
  - Sturdy vibration-free suspension
  - Irrespective on the type of room also suitable for relocation within the practice/clinic.

- ATMOS patient chairs
  - Efficient workflow
  - Optimal patient positioning
  - Individual colour design
The individual products

**ATMOS S 61 Servant workstation**

**Mirror quick heating**
At one key press mirror heating is available. This prevents fogging and guarantees a free view of the treatment area.

**Autostart function**
When the suction hose is removed from the docking station, the suction will be automatically activated. Integrated light sensors control majority of the basic functions of the ATMOS S 61 Servant saving you the time taken to activate/de-activate system functions.

**Light module economy**
The ATMOS LED technology enables the use of high-performance LED headlight and LED light handle – without any light conducting cable.

**DDS secretion canisters**
Exchange of the secretion canister can be completed with ease thanks to the Direct-Docking-System (DDS). The suction system is integrated and housed to ensure the risk of bad odour release or contamination is removed.

**Clipboard**
The clipboard expands the storage space for instruments and is the perfect connection to further ATMOS S 61 Servant modules. The angled arrangement guarantees ergonomic working. The doctor remains in the centre of events.

**Ear irrigation / thermal nystagmus stimulation**
The ear irrigation (Hygrotherm module) resp. the caloric stimulation of the vestibular organ (Variotherm module) is performed quickly thanks to the automatic switching and the ear rinsing bowl with its own suction channel.

**Design is important!**
Your patients should feel comfortable in your practice. An appealing design and a wide choice of colours create a pleasant surrounding.

**Nebulisation of medications (compressed air)**
Single-handed adaptation of the sprayer bottles and the automatic switching enable a time-saving and hygienic use of medication sprayers.

**Hidden technology**
All functions of the treatment unit are readily accessible and enable an efficient workflow.

**Heating module for instrument tray**
One instrument tray has a heating module for instrument pre-heating to body temperature. Your patients will appreciate this.

**Diagnostic software**
for analysing maintenance-relevant information

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Every practice has an individual workflow, therefore we are gladly prepared to advise you on the optimum concept for you and the most suitable modules.
The individual products

ATMOS S 61 Servant vision

Innovative LED light handle
The innovative LED light handle ATMOS LS 21 LED features the high-performance white-light LED with an almost unlimited service life. The light source is directly connected to the endoscopes, therefore expensive and fragile light conducting cables are no longer needed.

LED headlight
The innovative LED headlight ATMOS HL 21 LED can make your life easier; maximum illumination is provided by the white light LED, the headlight has a comfortable lightweight headband and the need for a fragile and expensive light cable is removed. The headlight can either be powered by the LED light source on the workstation or can be made fully mobile with the use of the rechargeable lithium-ionic battery pack.

High-performance halogen cold light
The integrated electronic soft start function guarantees maximum lamp service life and maximum light performance. An average lamp service life of 300h is therefore achieved.

Integrated ENT camera
The integratable camera module ATMOS Cam 21 / Cam 31 features
- Easy operation
- Single handed connection to endoscopes or a microscope
- Integrated image memory (Cam 31 only) with foot switch operation
- 2 Analogue Video Outlets
- DV camera option for high image quality and archiving to a PC

Automatic switching
It cannot be easier: When a light conducting cable or the LED light handle is taken out from the quiver, the illumination is switched on and the camera is automatically adapted to the relevant endoscope and light parameters.

Integrated stroboscope
ATMOS Strobo 21 LED
Due to LED technology a stroboscopic examination performed with the treatment unit is as easy as the standard endoscopic larynx diagnostics. High-performance white-light LED and a sophisticated microphone electronics quickly provide a display of the mucosal wave.

Quiver for clean endoscopes
Clean endoscopes can be stored in a heated metal quiver, there they are to hand for examinations, if required, with connected light conducting cable. Sleeves are available for the protection of the endoscopes when inserted quickly.

Quiver for used endoscopes / disinfection time monitoring
In case used endoscopes are not directly brought to sterilisation, it is possible to store them in a plastic quiver, which, if requested, can be filled with disinfectant solution. Optionally available is an electronic stop watch function which can be activated at one key press, this shows the duration of disinfection by means of an LED indicator light.

Swab area
The endoscope management includes a swab area. Here disinfectant solution, water and anti-fogging agent can be wiped off from scopes prior to their use. The cotton strip is easy to exchange.

Placement area for bottles/ instrument trays
For storage of medication bottles and higher objects. Optionally to be covered with an instrument tray.

Diagnostic software
For analysing maintenance-relevant information
The individual products

ATMOS S 61 Servant System

System frame
The ATMOS S 61 Servant system frame enables the perfect extension of your treatment unit with examination microscope, further placement areas for instruments, shelves and monitor supports.

Microscope
The integration of a high-quality examination microscope offers various advantages:
- Sturdy vibration-free suspension
- Irrespective on the type of room also suitable for relocation within the practice/clinic.

Automatic Switching
When moving the microscope into the treatment area close to the patient, the illumination of the examination field is automatically activated.

Camera Adaptor
The microscope can be fitted with a beam splitter so that connection can be made with the camera that is integrated into the ATMOS S61 vision module. The visualisation field of the microscope can then be displayed on the monitor, and then archived if required.

TFT monitor on console
Flat TFT monitor with medical approval.

Monitor arm professional
Due to the design of the professional monitor arm, the TFT screen can be easily positioned in front of the microscope column for demonstration or beside the patient during examination.

Instrument deposit
More space for instrument storage. The roller-shutter cover protects the instruments from dust and contamination. If requested, a lockable version is available.

Glass shelf
High-quality shelf with an appealing design.

Metal shelf
For integration of additional diagnostic devices, for example, ultrasound, tympanometer, OAE, in the work area.

Every practice has an individual workflow, therefore we are gladly prepared to advise you on the optimum concept for you and the most suitable modules.
Efficient instrument management
Less is more!

Efficient instrument management saves valuable time and enables you to meet strict hygienic requirements even in times of increased patient volumes.

- Clear separation between clean and dirty areas (waste bin, bowl for used instruments)
- Quick and easy exchange of the bowl for used instruments, even when filled with disinfectant solution (wet dropping)
- The systematic arrangement of large and small trays made of different materials (stainless steel, aluminium, melamine) ensures optimum instrument placement
- The closable roller-shutter cover protects the instruments
- Drawers for the storage of consumables rarely needed, instruments, etc.

For protecting your high-quality instruments, the ATMOS S 61 instruments module can be equipped if needed with a central locking system to provide maximum protection for high quality instruments. A lockable roller shutter is also available.

The radiofrequency surgical device ATMOS RS 221 ENT has the option of being integrated within the ATMOS S 61 Servant instruments module. A standard drawer and the important control elements are displayed and the probe handles are ready for use. Radiofrequency surgery with bipolar electrodes are used for snoring treatment (Uvulopalatoplasty).

Safety takes priority

The ATMOS SE 6501 Smoke Evacuation System module can be integrated within the ATMOS S 61 Servant instruments so that it can be easily accessed when suction of potentially harmful smoke particles is required.

Waste bin
The waste bin makes disposal simple and has a high capacity.

Radiofrequency surgery
The integration of the ATMOS RS 221 ENT in the ATMOS S 61 Servant therapy enables easy application of radiofrequency surgery in the ENT outpatient department.

Smoke evacuation
For removal of potentially harmful smoke particles from the treatment area, the ATMOS SE 6501 can be integrated into the ATMOS S 61 instruments module.
The characteristics:
With the integration to your ATMOS S 61 you have the possibility to integrate two light channels with automatic switching and impressive light intensity. The endoscopy module offers optional expansion possibilities like:
- Endoscope heating
- Automatic headlight-hook
- Variable adapter system

Due to the sophisticated ventilation system the endoscopy module is passively cooled therefore there is no annoying (fan) noise.
The individual products – Chair range

ATMOS ENT
Patient chairs / doctor’s chairs

ATMOS Chair E 2
This examination chair offers maximum comfort for the patient and easy handling for you due to the electromotive, infinitely variable inclination adjustment and the seat which can be swivelled separately.

ATMOS Chair E 1
The electromotive, infinitely variable inclination adjustment and the new intuitive foot operation of the chair make it indispensable!

ATMOS Chair M 2
Electromotive height adjustment for optimal patient positioning from the normal examination position up to Trendelenburg position, this chair is suitable for every position!

ATMOS Chair 51 D
Suitable for the above patient chairs this chair offers not only perfect seating comfort and smooth running castors, the rotatable back rest can also be used as an elbow rest when you need a steady hand.

ATMOS Chair 21 P
The economic patient chair with a functional design - manual infinitely variable and rotatable patient chair with fixation to the floor.

ATMOS Chair 21 D
The appealing design of the above mentioned patient chairs is continued with this doctor’s chair and offers you in addition to the uniform design optimum ergonomics for long working days!

ATMOS Chair 31 P
Perfect price/performance ratio - this electrically adjustable and easy to arrest chair impresses by the ergonomic design.

The characteristics:
- Efficient workflow
- Ergonomic seating and treatment comfort
- Optimal patient-doctor positioning
- Robust and solid technology
- Easy handling
- Individual colour design

Further information about our chair programme you will find in a separate brochure. Please contact us: +49 7653 689-374