

ENT CHAIR

OP-S10 / OP-S14

DESIGNED **BY** ENT SPECIALISTS **FOR** ENT SPECIALISTS



- Completely motorized
- Ergonomic
- Robust



OP-S10 / OP-S14 ENT CHAIR

ENT Chair with Integrated Videoendoscopy Unit for Examination

OPTOMIC's OP-S10 and OP-S14 chairs have been designed by ENT specialists for ENT specialists. Doctors from all over the world have provided their knowledge and experience for the design of these chairs.

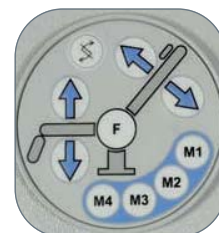
Ergonomics for the Doctor

ONE OF THE MAIN ergonomic advantages of this chair is the possibility it offers the specialist, due to its well studied design, of easily and comfortably reaching every area of the patient that requires examination. OPTOMIC has developed a chair designed for the comfort of both patient and doctor. Our philosophy is based on the idea that not only the patient must be comfortable, but also the specialist, in order to work safely in any position, avoiding inconvenient postures and unnecessary fatigue. The high quality of its mechanism sets it apart from other chairs in the market, as mechanics of high precision and great sturdiness have been used, as well as the best materials and components. Proof of this are its conical roller bearings of high resistance, its 36 self-lubricated axle-boxes that offer an unequalled smoothness of movement, free of looseness and maintenance, its linear bearings for axial glides, its high quality Danish motors, or its excellent electronics with capacity for different programs and functions.



Quality, design, ergonomics, safety, resistance, stability, precision and a long life span are synonyms of OPTOMIC chairs.

ELECTRONIC MOVEMENT CONTROL



Motorized Backrest Rising and Lowering System

It is controlled by a processor which enables the chair to be set in any of the selected positions, depending on the user setting.

Function Control

It has up to 36 programmable memories for 9 different users. The memory keys have a double function: to place the chair in the programmed position and, in the case of the OP-S14, to control up to 4 external systems, such as microscope, suction unit, office lighting, nurse call, etc.



Electromagnetic Rotation and Brake

CHAIR ROTATION

The patient can turn very safely and smoothly, due to the chair's strong bearings of high resistance conical rollers.

ELECTROMAGNETIC BRAKE

By simply pressing the F key, the chair rotation is blocked and the chair brakes instantly.



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ERGONOMICS

Comfortable for Doctor and Patient

STUDIED IN DEPTH to develop a product which adapts itself to the doctor's ergonomics in action.

Its great capacity and reduced size ensure that the chair structure does not hinder the doctor's movements. Its sturdiness makes it possible to move large patients.

Concave legrest: when horizontal it holds the patient's calves for greater comfort and relaxation.



LEG AND FOOTREST, MAIN ACCESS TO THE PATIENT



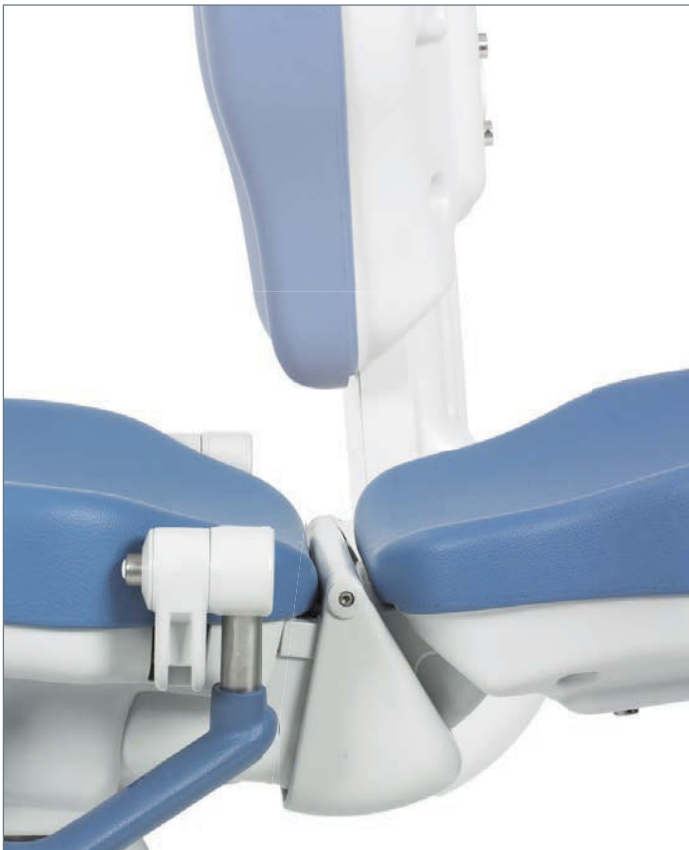
Small Footrest

It forces the patient to sit in the correct position to be examined.



Collapsible Footrest

It allows patients with reduced mobility to sit with total safety.



Backrest Travelling System

On linear guides, it travels up and down automatically, so that the patient's head and the headrest do not lose their position when the backrest is lowered. It also protects the lumbar area, preventing the patient's clothing from moving around the waist.



Narrow Legrest

It allows for easy approach to the patient without the doctor having to open his or her legs excessively.

Fold-down Footrest

When the chair is horizontal, the footrest folds down automatically to avoid pain from contact between the heels and the metal.



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ERGONOMICS

Solid Folding Armrests

With stainless steel axes and padded in washable poly-urethane. They fold down to provide greater comfort for large patients and lateral tests.

The doctor can get close to the patient standing up or sitting down, helped by the shape of the backrest. It also enables the patient to sit sideways.



Concavity between Seat and Backrest

It allows the doctor to adopt a comfortable position when he or she is sitting beside the patient.



Headrest with Pneumatic System Height Adjustment

It incorporates a quick removal system which facilitates the execution of positional tests and routine practices; the brake and its coupling system provide rigidity and resistance to rotation, and make the change of headrest model easy.

CONTROLS



Single Key for Trendelenburg Position

It works in an emergency situation taking the chair to this position automatically (-10°) and raising the patient to a comfortable intervention position. The movement can be cancelled by pressing any key.



Central Key

It controls the chair's electromagnetic brake function and the LED light source or the examination spotlight.



Function Control

Using any of the four redundant keyboards placed on different sides of the chair, it can be controlled from any position.

Liquid Crystal Display (optional OP-S14)

The active user can be viewed and selected, programming the memories of each one. It gives warnings and displays messages of status or error.



Examination Spotlight (optional OP-S14)

For combined use with a frontal mirror, placeable in any direction. Anti-heat cooled casing, with halogen dichroic lamp of short focus.

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SAFETY



Great Stability and Sturdiness

This describes the chair's base. Its practical base ends allow the doctor to move over them with a rolling chair, so there is only the minimum space between patient and specialist.

Elevator Arm

A self-compensated parallelogram makes it possible to increase the chair's load, providing greater safety and stability.



Electrical Safety

The chair is connected directly to its power box, which provides low voltage current (21v – 31v) and isolates the chair from the main power supply, avoiding dangerous voltage.



Movement Safety

The chair has an accidental movement protection system. Its STOP key prevents it from moving if a key is pressed accidentally.



Mechanical Safety

The chair mechanism is encased in plastic to make it totally safe from mechanical trapping accidents.

VIDEOENDOSCOPY UNIT (optional OP-S14)

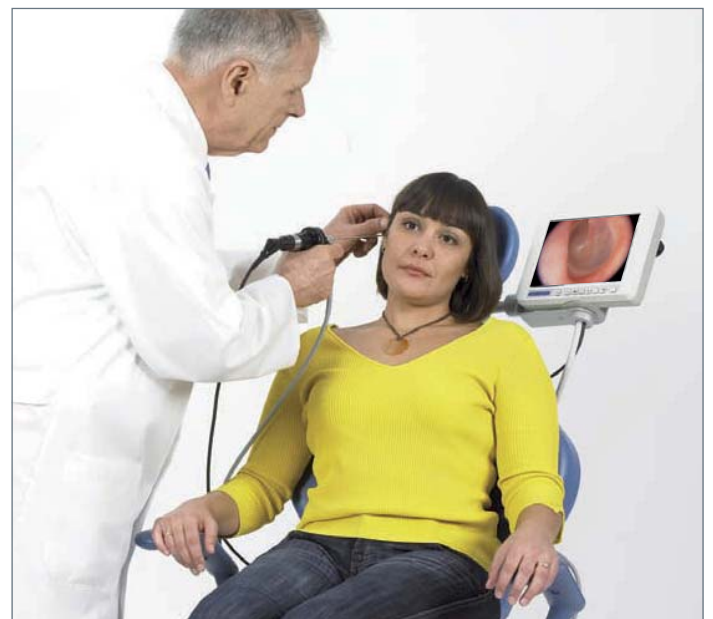
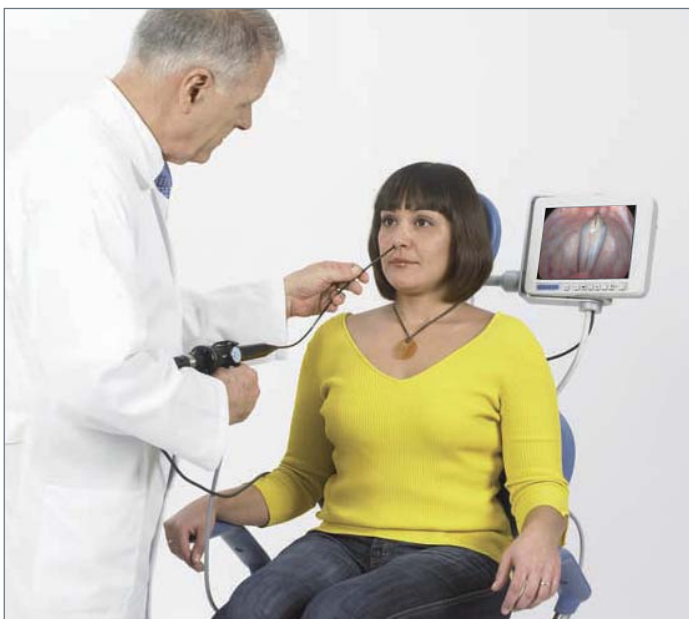


Monitor Option

The 8,4" TFT monitor enables viewing external video source images: endoscopy camera, video player, etc.

The monitor includes power and adjustment controls below the screen.

It permits a safe and comfortable examination in all endoscopic actions, as monitor and patient are placed at the same level so that the doctor never loses sight of the working area.



These options make the **OP-S14 Chair** the hub of the office.

VIDEOENDOSCOPY UNIT (optional OP-S14)



CCD Camera for Endoscopy

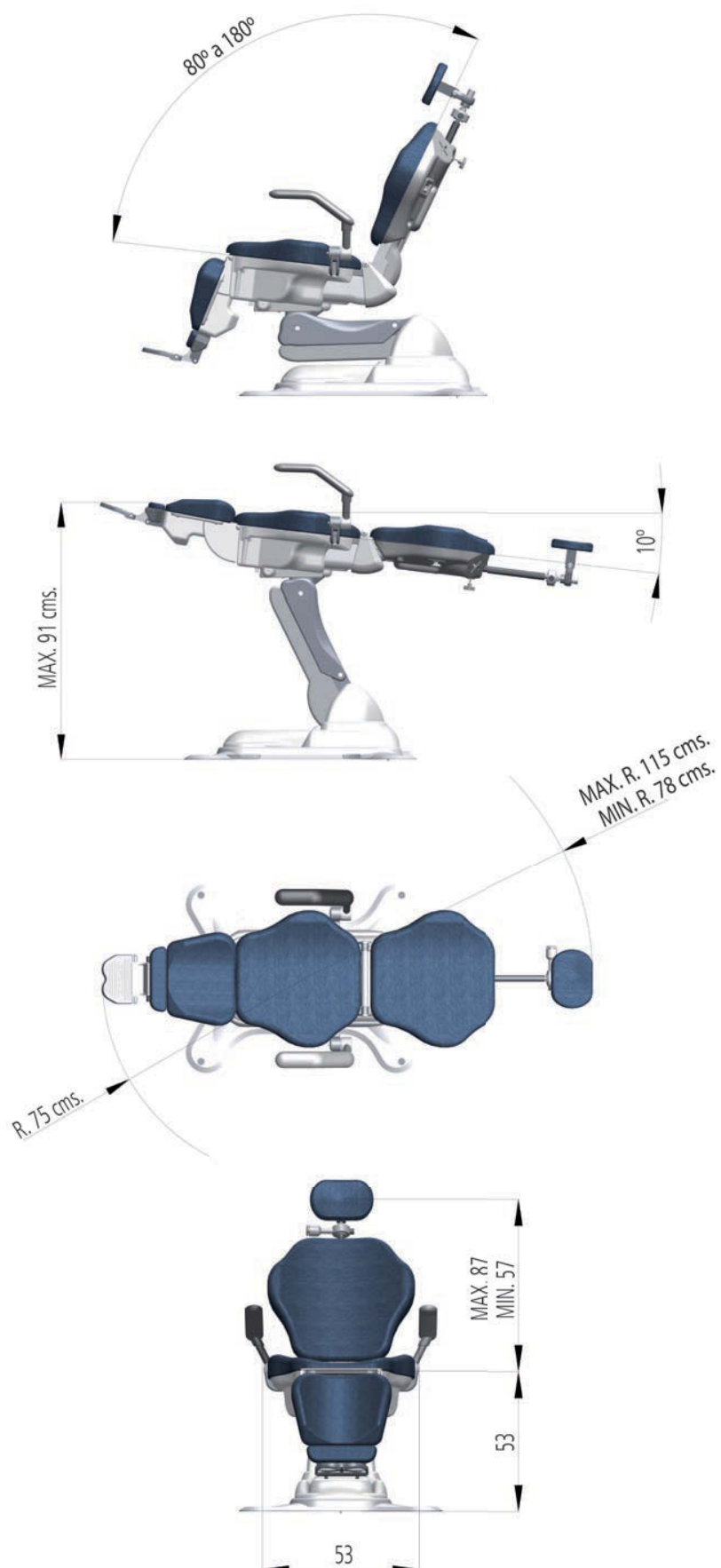
Integrated in the monitor, the CCD camera with a remote head can show endoscopic in the highest quality thanks to its high resolution and excellent colour reproduction. It has simultaneous composite video and S-Video outputs to connect an external monitor recording system or imaging equipment.

LED Light Source for Endoscopic Use

A LED cold light source with connection for Storz type fiber optic cable can be added to the backrest. It has powerful and high performance light with 60.000 hours of life.



CHAIR DIMENSIONS



TECHNICAL SPECIFICATIONS

UP / DOWN MOVEMENT	Electrical
BACKREST AND LEGREST MOVEMENT	Electrical
PROGRAMMABLE MEMORIES	4 (Up to 36 with 9 users, optional for OP-S14)
MOVEMENT CONTROL	4 keyboards and (foot pedal optional)
SAFETY BLOCKING	Stop and safety in a single key
EMERGENCY STOP	E-stop button
UPHOLSTERY	PUR melting, no seams, latex free, washable (available in several colours)
ARMRESTS	Folding armrests
HEADREST	Variable height and inclination. Removable
	Adjustable headrest optional
CHAIR ROTATION	270° with mechanical buffers and electromagnetic brake
TRENDELENBURG POSITION	Pre-programmed movement
80° NASAL EXAMINATION POSITION	Pre-programmed movement
SLIDING BACKREST	Synchronized with movement
MAINS CONNECTION	110-240V/50-60Hz
CONNECTION BETWEEN POWERBOX AND CHAIR	21V, 33V, video and communication signal
MAXIMUM POWER (WITHOUT EXTERNAL DEVICES)	400VA
BACKREST ANGLE	From 80° to 190°
SEATING HEIGHTS	Max. 910 mm - Min. 530mm
DIMENSIONS (BETWEEN BASE TRIMS)	600 (w) x 730 (h)
MAXIMUM LOAD	200kg
OPTIONAL ACCESSORIES	
ADJUSTABLE HEADREST	100mm radius depth and height adjustment
OPTIONAL ACCESSORIES FOR OP-S14	
EXTERNAL DEVICE CONTROL	4 connectors (On/Off)
EXAMINATION MONITOR	8'4" TV/VGA Monitor
LCD DISPLAY	User selection. Warnings and chair status information
INTEGRATED CAMERA IN MONITOR	1/3" CCD - 490 TV lines high resolution
	High brightness and great colour reproduction
	Composite video and S-Video output in powerbox for secondary monitor
FRONTAL EXAMINATION SPOTLIGHT	35w halogen – cooled
COLD LIGHT SOURCE	LED - Storz type connection

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producing quality



Specifications are subject to change without notice

