Theia 2.0

Italian design and technology in the world

CHAIR

Frequent usage

- Minor Surgery
- Ophthalmic Surgery

gardhen bilance

midmed
providing positive solutions

ENTRY POSITION ACHIEVABLE THROUGH MEMORY BUTTONS LOCATED ON THE CONTROL PANEL. REDUCING THE HEIGHT TO ITS MINIMUM ALLOWS AN EASY ENTRANCE ALSO TO PATIENT WITH REDUCED MOBILITY.

EASY AND COMFORTABLE EGRESS FOR PATIENT WITH REDUCED MOBILITY. IT CAN BE ACHIEVED THROUGH THE MEMORY BUTTONS ON THE CONTROL PANEL.

Benefits

- Available in 2 versions, with high and low backrest.
- Multifuncitonal surgery chair with high stability. It can be used for a wide range of surgical interventions.
- Frame with a reduced footprint. It allows an easy approach to the device.
- Extremely resistant base in stainless steel. Easy to sanitize with most commonly used detergents.
- Lying surface in expanded foam with high density.
- Seamless upholstery made out of carefully selected fabric with antibacterial, water resistant and non-toxic. Upholstery's features as follows: antibacterial, flame retardant class 1IM, antimycotic, ecologic, latex free, phtalate free and resistant.
- Minimum height (530 mm, minimum value compared to market standards) makes it easy for any patient to access even to people with reduced mobility.
- Assisted egress position helping people with reduced mobility.
- Independent movement for the best postural adjustment.
- The armrests are synchornized with backrest's movement. They can be rotated outward, overturned and removed.
- No wear parts.
- The device can be equipped with a wide range of accessories according to surgeon's needs.
- Anti-schock position.
- H24 operativity without connection to the electrical grid.
- Max load capacity 300kg

Standard features

- Lying surface divided in 4 sections with double articulation divided in: headrest, backrest, seat and leg.
- Motorized backrest.
- Motorized legrest.
- Height adjustble through motorized columns.
- Motorized Trendelenburg.
- Headrest available from the following: ACS1, ACS2, ACS3, ACS4, ACS4/1; pediatric models ACS1P, ACS2P, ACS3P are also available. In the absence of preferences the code ACS1 will be provided. All headrests are described and illustrated on p. 13.
- Special coating without seams or interstices, made with carefully selected technological material with the following properties: water repellent, non-toxic, antibacterial, antifungal, antistatic, ecological, latex free, without phthalates. Ultra-resistant coating to: alcohol, hydrogen peroxide, sodium hypochlorite (5%), commonly used disinfectants, liquids and physiological substances. Fireproof eco-leather UNI 9175/87 and 9175FA-1/94 class 1M. (equipment code AC87 / 1).
- Upholstery in black fabric (other colours available - download colours chart via QR code at the bottom of this page). Upholstery divided into 2 separate sections, one for the back section and the other for the seat / leg sections. The operating table is also available with a single seamless cover (accessory code ACS27).
- Movements are entirely controlled by the control panel (standard equipment) and/or foot controls (accessory - see page 13).
- Low voltage 4000N motors.
- Multi-voltage power supply.
- Bilateral multifunctional armrest.
- Twin wheels diameter 100 mm with independent brake.
- No.8 stainless steel DIN bars that can be equipped with a wide range of accessories.
- Non- reflecting coating with thermosetting powders.
- A dedicated software allows an easy handling of the movements.
- Equipotential node.
- No.2 rechargeable and removable batteries. They grant a h24 operativity to the device.
- Charger included.
- Knobs for transport located on the leg section.

HEADRES
ACCESSORY CODE ACS1

CONTROL PANEL

INDEPENDENT BRAKING SYSTEM

KNOBS FOR TRANSPORT LOCATED AT THE LEG END

Would you like to customize upholstery or frame?
Scan or click the QR code and discover how to customize the device consulting our colour chart.

Control panel

The control panel installed on the device is intuitive and easy to use.
Thanks to the pictograms depicted on the individual buttons, the surgeon can easily identify and operate the chair functions during his / her activities.

The panel is divided into sections, each of which allows the activation of specific functions, such as:

- Section dedicated to user **programmable memories**.
- Section dedicated to **preset memories**.
- Section dedicated to **movements**.

BATTERY STATUS INDICATOR

Available memory positions

The operator can easily and intuitively program, according to need, 3 different position configurations, respectively with the buttons:

- **SET1;**
- **SET2;**
- **SET3.**

All position configurations can be recalled by pressing the dedicated keys in "push and go" or "push and stop" mode.
It is possible to interrupt the movement of the lying surface at any time.
To confirm and modify the memory positions, use the **SAVE SET** button.

EXAMPLE OF A MEMORY SET POSITION

Memory positions “PRESET”

4 frequently used memories can be activated in the ways through the control panel. “push and go” and “push and stop”.

Memory 1
Entry and transport position

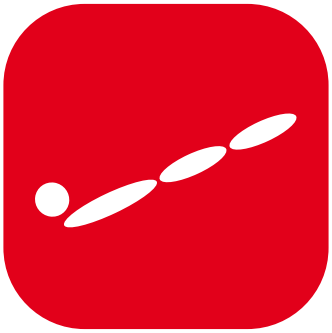
PERFECT AS ENTRYWAY, EXIT
AND FOR PATIENT’S TRANSPORT.

Memory 2
Egress position

COMFORTABLE ASSISTED EXIT
FOR PATIENTS WITH REDUCED MOBILITY
IT PROGRESSIVELY VERTICALIZES THE PATIENT.

Memory positions “PRESET”

Memory 3
Trendelenburg / Anti-Schock



IT QUICKLY ACHIEVES THE PERFECT POSITION TO FAVOUR VENOUS RETURN

Memory 4
CPR

CARDIO-PULMONARY RESUSCITATION POSITION

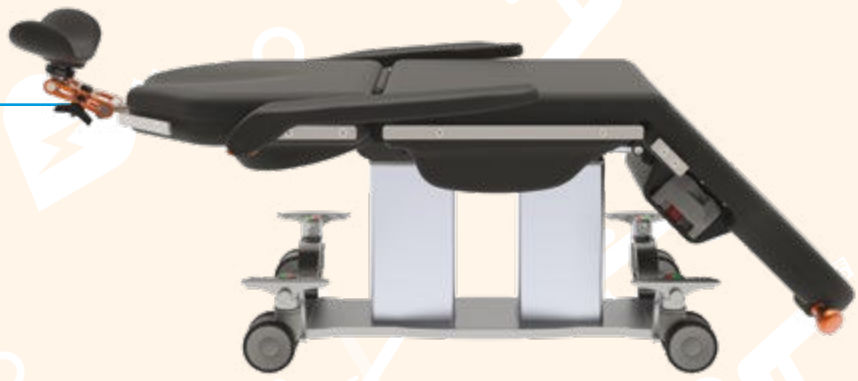
Motorized movements

Backrest adjustment

BUTTON FOR BACKREST ADJUSTMENT

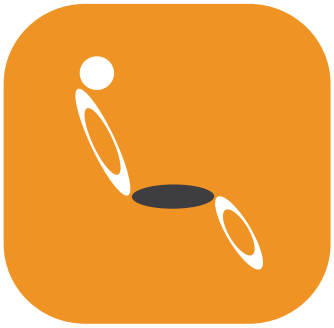
Legrest adjustment

BUTTON FOR LEGREST ADJUSTMENT



Motorized movements

Seat height adjustment



BUTTON FOR LYING SURFACE'S HEIGHT REGULATION

Seat's inclination adjustment

BUTTON FOR SEAT'S INCLINATION ADJUSTMENT

Standard features

Headrest movement and adjustment

Multi-adjustable headrest section for surgery.
The head support can be set between different angles for a correct position of the head during the operation.
It has a unique locking system, which locks both pins using a cam lever.
The different types of headrests are interchangeable thanks to a quick coupling without the use of any tools (see accessories catalog).

THANKS TO THE LEVER LOCATED IN THE MIDDLE OF THE "X" MECHANISM, IT IS POSSIBLE TO ADJUST THE INCLINATION AND THE ANGLE OF THE HEADREST IN AN EASY AND STRAIGHTFORWARD WAY

Armrest

Anatomical armrests in PU rubber with metal core.
They follow the movement of the backrest. They can be folded down to facilitate patient entry. Completely removable to facilitate patient transfer to another device. The external regulation facilitates vascular access.

TILTABLE ARMREST TO FAVOUR PATIENT'S ENTRY FROM THE SIDE

REMOVABLE ARMREST

OUTWARD REGULATION TO FAVOUR VASCULAR ACCESS

Continuous operational autonomy

The surgical chair is equipped with two rechargeable and interchangeable batteries, with charger included. As the batteries can be changed, permanent autonomy is fully ensured. A luminous and acoustic warning will light up in case of low battery condition. The device can be powered also through the electric grid.

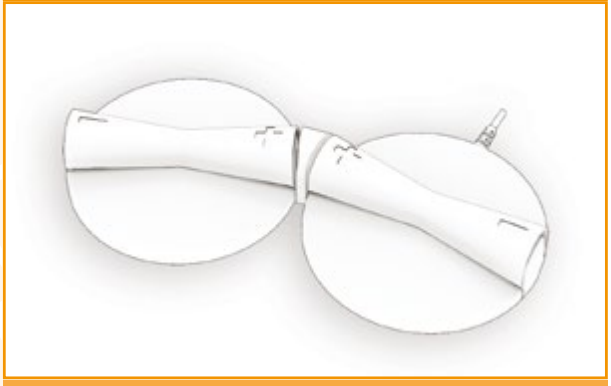
PLUGGED BATTERY

REMOVED BATTERY
Extremely easy to remove

A Pedal controls

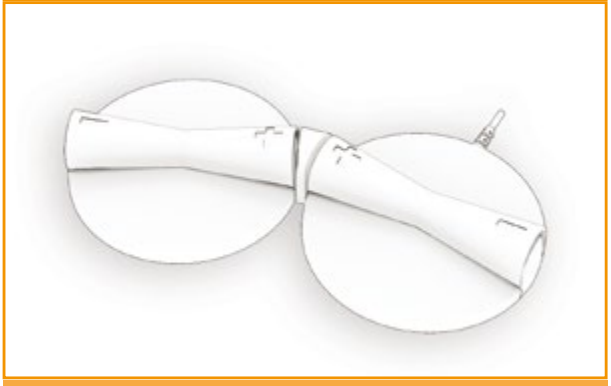
The foot controls located on the floor allow to adjust the height and the inclination of the seat section, the back section and the leg section, according to the needs of the surgeon and the type of operations to be performed, . The floor control is also available in the Wireless version (accessory code ACS5 / 3).

ACS5/1



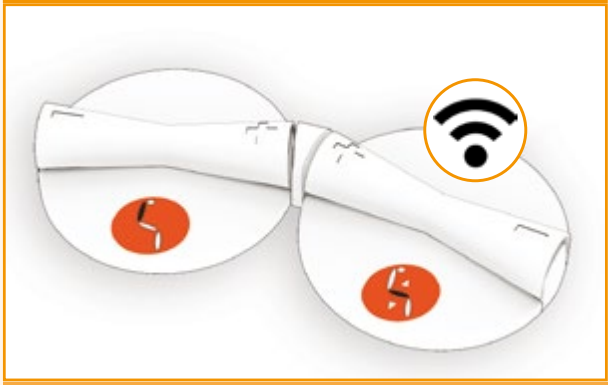
Pedal on the floor for height amd inclination adjustment of the seat. Couple.

ACS6/1



Pedals on the floor, to adjust the inclination of the backrest and the inclination of the legrest. Couple.

ACS5/3



Pedal on the floor with wireless controls for height amd inclination of the backrest. Couple.

Headrest

Given that one of the following headrests is supplied with the Theia 2.0 device (if none are preferred, the ACS1 code will be provided), other models identified with the codes ACS1, ACS2, ACS3, ACS4, ACS4 / 1 are also available. pediatric models are also available ACS1P, ACS2P, ACS3P. The headrests are all interchangeable thanks to a quick coupling system (without the use of tools).

ACS1

Occipital headrest. Designed to support the patient's head and prevent back or lateral falls. Available also in paediatric version ACS1P.

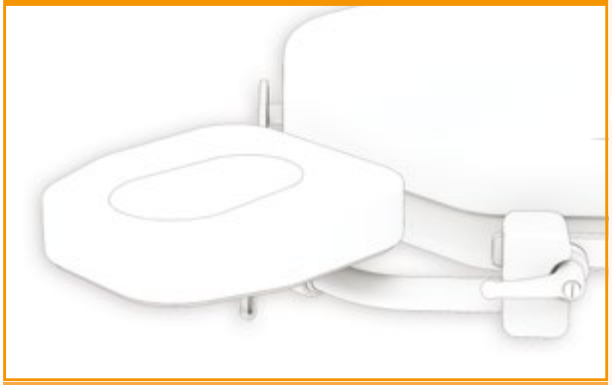
ACS2

Nuchal headrest. Available also in paediatric version ACS2P.

ACS3

"X" shaped headrest. Available also in peadiatric version ACS3P.

ACS4

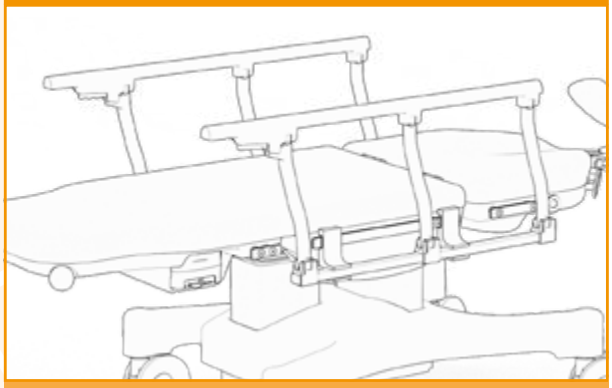


Head section on DIN bar with face hole equipped with closing cap with angle adjustment of 0°-15 °.

ACS4/1

Synchronous head section with face hole, bilateral regulation from -15° to +15°. Available with head strap (ACS37) and chin strap (ACS38).

ACS7



Bilateral side rails on DIN bar.
Lightweight side rails, washable, adjustable and collapsible. Easy to remove.

ACS8/2

Support on DIN bar for humerus surgery with stand support. To be used with patient in prone position. To be fitted onto backrest of the device for humerus surgery.

ACS8

Hand surgery table on DIN bar. Availablewith 2 clamps to fix the support on the DIN bar. Extremely resistant and easyto use. Radiolucent.The fabric is water repellent, no toxic,antibacterial and high resistant tobiological liquid and disinfectant.

ACS8/1

Hand surgery table on DIN bar withstand support. Available with clampand adjustable in height in order tobe placed at any height of the tabletop. The fabric is water repellent, non-toxic, antibacterial and high resistant tobiological liquid and disinfectant.

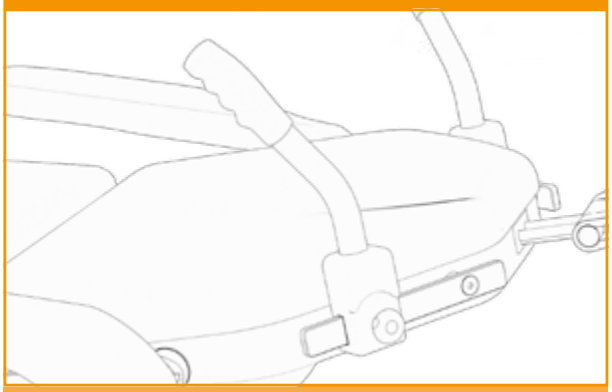
ACS9

Support on DIN bar with band to immobilize upper limb.

ACS10

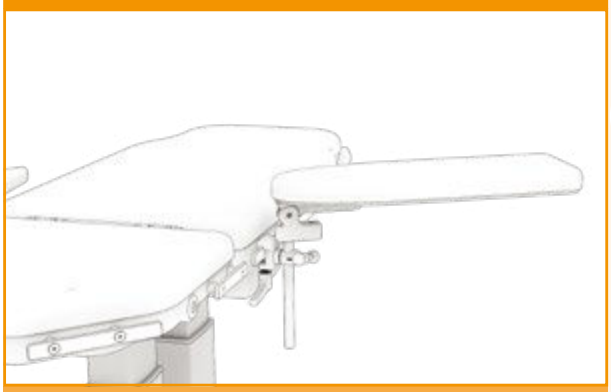
Couple of wrist support for the surgeon.

ACS11



Transport handles on DIN bar. Compatible with low backrest. It ensures an easy transport of the patient both in chair configuration and in bed configuration.

ACS14



Multifunctional armrest on DIN bar. Adjustable in height, swivelling, reclinable, tilting, easily removable. It is intended to be an alternative to the standard armrest.

ACS15

Control panel attachment on DIN bar.
The pole is flexible and can be adjusted according to surgeon's needs.

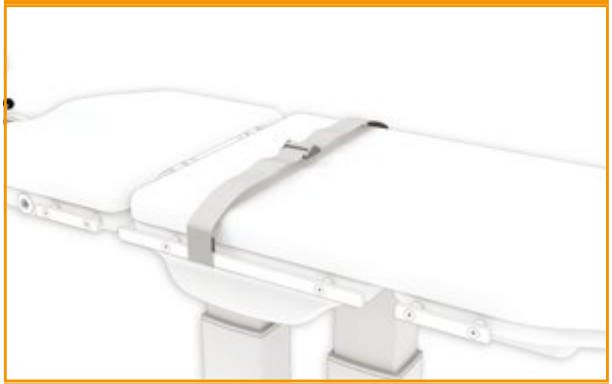
ACS16

Flexible support for tent. Available with two clamps. To be used during surgery in the operating room in order to protect and cover the patient.

ACS18

Occipital pillow for headrest.

ACS19



Body strap on DIN bar. Fixingsystem to allow the immobilisationof the patient during surgery. Adjustable in lenght accordingto patient's size.

ACS20

Extra padded cushion on DIN bar to enlarge the seat section. It increase the table top surface allowing the patient to comfortably lay on the side.

ACS24

Table on DIN bar. Available with clamp, it is designed to place the tools needed for surgical operations.

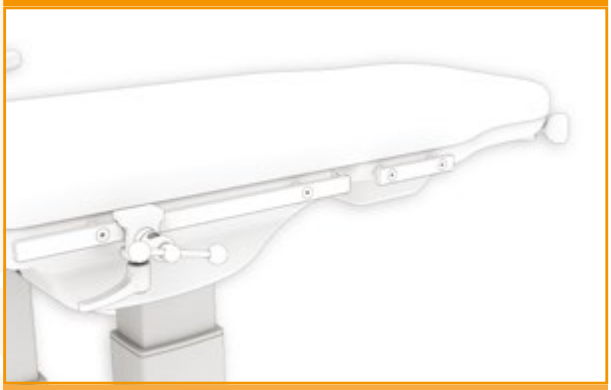
ACS25

Universal stainless steel DIN clamp to attach accessories with radial setting. It has a single knob that allows both fixation of the accessory and clamp fixation onto the side rail.

ACS26

Air flexible rod. Quick oxygen intake for ophthalmic surgery. Flexible pole that can be fixed on DIN bar on the backrest section to direct the air flow on the patient's face.

ACS27



One padded cushion for table top. The table top has an upholstery consisting of one piece cushion, without any interruptions.

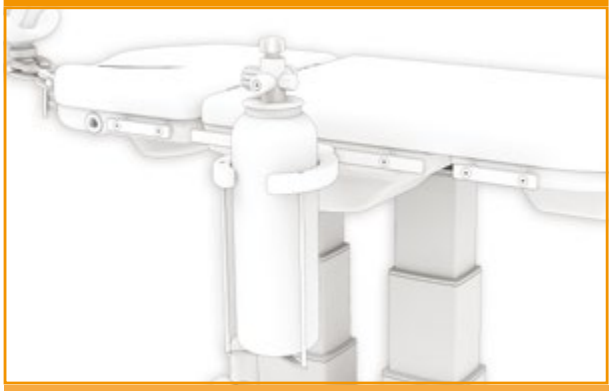
ACS28

Slim base without wheels. The device will stay on the ground.

ACS29

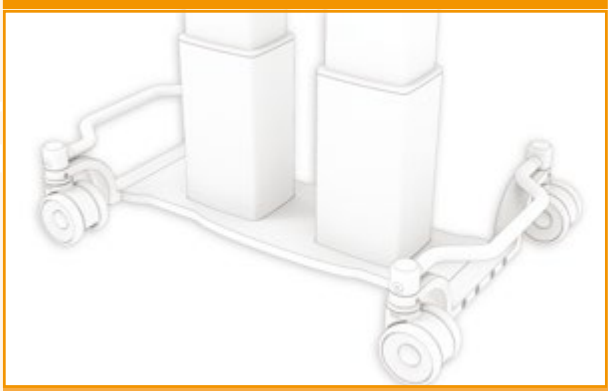
Porte-rouleaux sur barre DIN.

ACS30



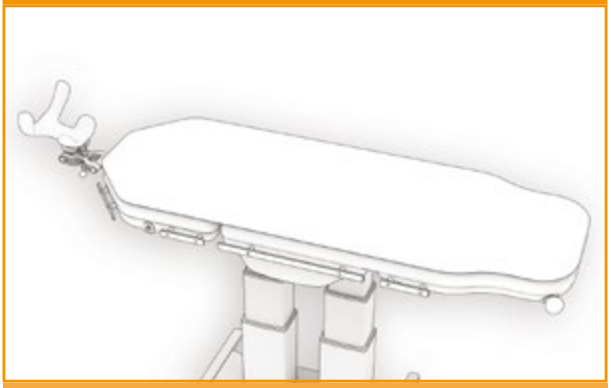
Oxygen tank holder on DIN bar. It can be placed on several points of the device thanks to a quick fitting on DIN bar. Up to 7 kg.

ACS31



Braking system driven by front/rear bars.

ACS32



Additional radiolucent cushion. It allows to perform radiography, using X-ray plates, on each anatomical areas.

ACS33

Stainless steel IV pole on DIN bar. Available with 2 or 4 hooks.

ACS34

Headrest holder trolley.

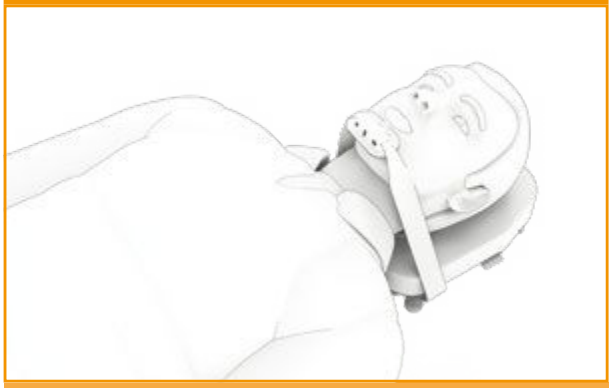
ACS35

Accessories' holder trolley with DIN bars.

ACS37

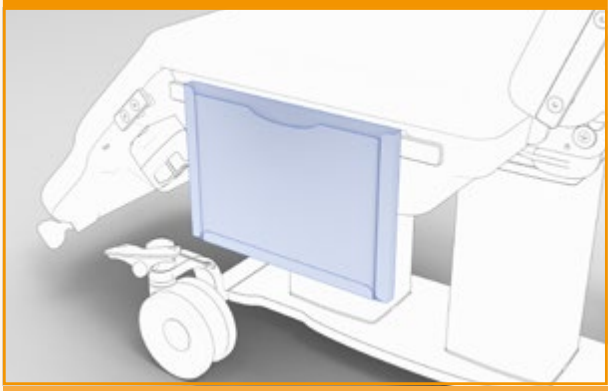
Hairband compatible with ACS4/1.

ACS38



Chinrest compatible with ACS4/1 headrest.

ACS40

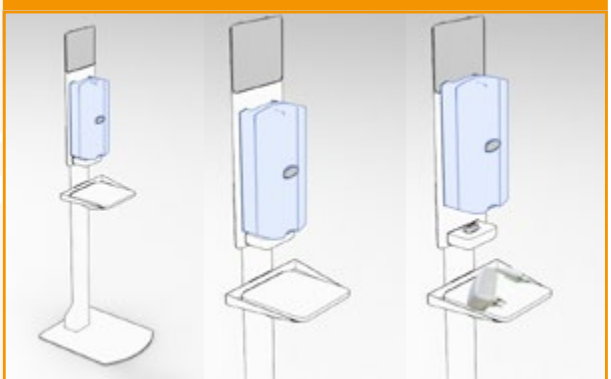


Folder on DIN bar.

ACS41

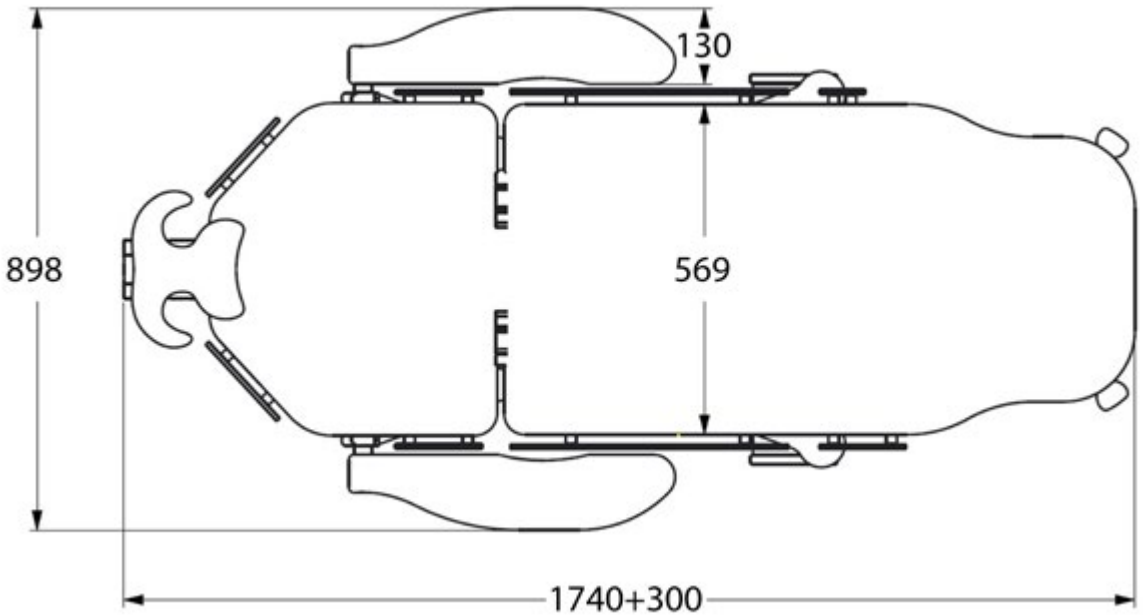
Removable monitor holder.

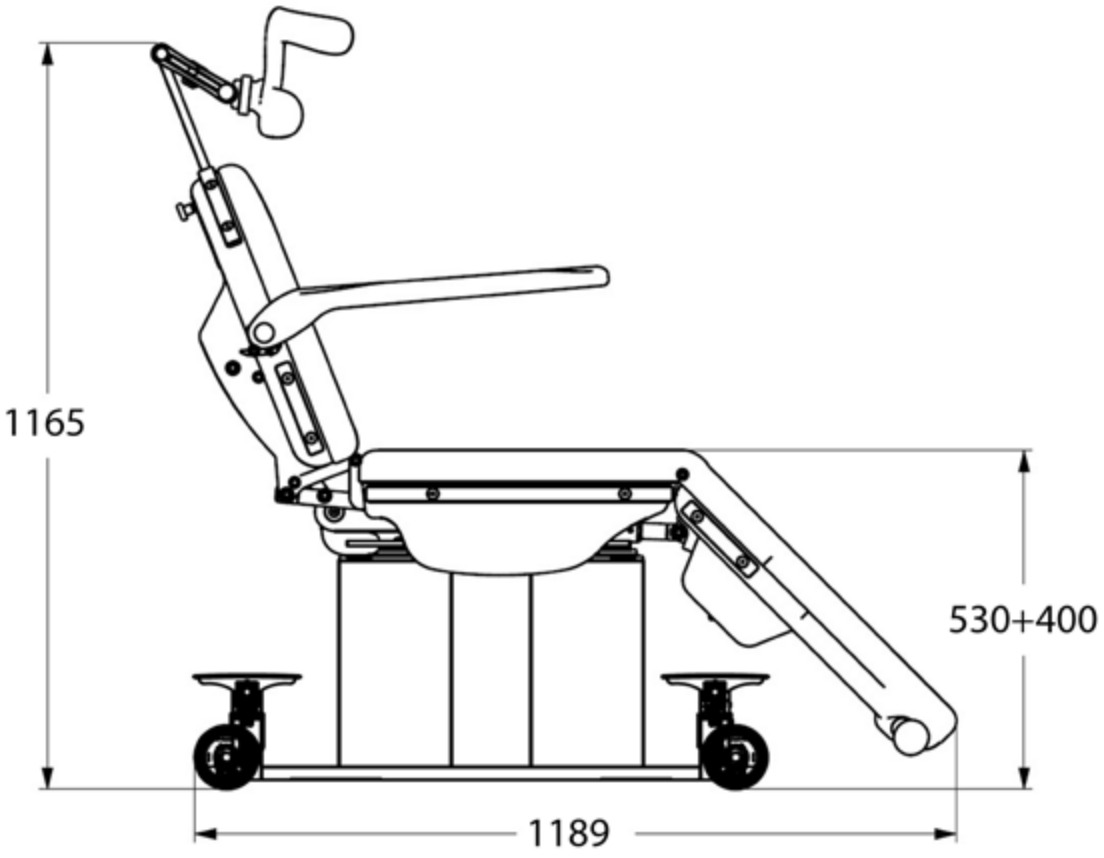
AC159



Column stative in painted steel for charger with support.

Dimensions





MAIN CORD


Type F - Schuko


Type L - 16A


Type I - Australia


Type B - Canada and USA


Type G - UK plug

OFFICIAL DISTRIBUTOR IN AUSTRALIA:

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Technical sheet

GMND Code	**38447**
Product ID	**GB0210.SP-2.0**
Intended use	Surgery chair
Manufacturer	GARDHEN BILANCE SRL
Total weight	120 kg
Type of control	Control panel
Wheels	Stainless swivel 4 wheels Ø 100 mm with braking system
Power	100-240 Vac 50/60 Hz
Battery power	24v - 4.5A
Electric motors	Low voltage 24 (Volt)
Max electrical input	480 VA
Isulation	IP44
Max load	300 kg
Safety working load	335 kg
Backrest angle	76°
Legs angle	50°

For certifications please refer to "Certifications and Quality system" section

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