



THE REAL-CHAIRS ARE CE-CERTIFIED  
IN ACCORDANCE WITH THE MPA STATUTES  
OF MEDICAL DEVICES, LVFS 2003:11.

# ⊕ REAL<sup>®</sup> 8100 PLUS EL X-RAY

*functional and easy to use*



**MERCADO  
MEDIC**



*White PLUS-frame "clinic"  
with protractor and brake.*

## ***Functional chair – rational examination***

An X-ray chair is subject to strict demands from doctors, nurses and patients. In order to carry out an examination with the patient in a seated position, the chair must be functional and easy to adjust. The X-ray chair must also work well with X-ray equipment in general. Furthermore, if the chair is comfortable and can offer the patient an ergonomically correct position, the examination can be completed more quickly. The design of the chair must be stable for the patient's safety, while at the same time be easy for the staff to manoeuvre.



*Positioning / hip belt.*



*Protractor and brake are controlled by foot.*



*Remote controls.*

### ***Easy to use***

REAL 8100 PLUS EL X-RAY is a Swedish-manufactured electrically operated chair adapted for use in connection with X-rays. It is designed with a focus on ergonomics, function and flexibility. The chair is comfortable, stable and easy to operate. A remote control is used to adjust the electric height setting of no less than 28 cm. This gives staff the freedom to adjust the chair even at a distance.

### ***Safe and smooth***

For patient safety, the REAL 8100 PLUS EL X-RAY has a convenient, newly designed, fully welded underframe with a safe, easily operated brake.

The chair's brake can be applied using either a pedal or lever (either manually or by remote control).

The mechanical protractor ( $\pm 90^\circ$  at 5-degree intervals) provides the facility to X-ray the patient from the desired angle.

The seat's angle is reset when pressure is applied to the foot control at the rear of the frame.

### ***Correct positioning***

The adjustable seat angle, forwards and backwards, makes it easy to find the correct position for the patient.



*Optimal positioning using tiltable seat in the ErgoMedic seat system.*

## ***Comfortable for the patient***

To increase the sitting comfort, Mercado Medic has collaborated with the renowned physiotherapist Bengt Engström to develop the ErgoMedic seat system. For optimal sitting comfort, the ErgoMedic plus seats have the right form and softness to ensure optimal stability and comfort, higher under the thigh than the buttocks.

Its form distributes pressure evenly and effectively, and prevents the user from sliding forward when the seat is angled. The back edge of the seat is lowered to increase the sitting depth. This allows the seat bone nodules to move backwards when the patients spine is stretched, reducing discomfort for the patient.

### ***Flexibility with different backrests***

The low backrest is adapted for X-rays of the lumbar and the thoracic spine while the high backrest, with neckrest made of Makrolon, is suitable for X-rays of the cervical spine. The carbon fibre backrest has been developed primarily for scoliosis patients. It provides support for the patients lower back, lumbar spine, thoracic spine, cervical spine and neck. The carbon fibre backrest is very light and easily

replaceable. The transparent backrest provides the ability to quickly align the “cross” on the patient, for more accurate positioning and scanning.

This backrest is very “all-round” and also works well for a range of other needs, such as chest X-ray. You do not need to switch back to various patients and situations.

All backrests is also adjustable in height, angle and depth.





*Low backrest 33x16 cm (standard).*



*Backrest with neck support in Makrolon (standard).*

*Seat with trailing edge (optional).*

*High, transparent backrest (optional)*



### ***Standard- or Comfort version***

REAL 8100 PLUS EL X-RAY are available in STANDARD or COMFORT version.

The comfort version includes electric seat angle adjustment and electric brake. These functions can be adjusted via remote control.

### ***Options and accessories***

Options for more efficient examinations include alternative seat sizes, footrests, positioning belts and high carbon fibre/high transparent backrest. The folding foot ring provides comfortable foot support.

We have now the pleasure to offer a new, further developed seat as an option to REAL 8100 PLUS EL X-RAY.

This new seat has a built-in trailing edge causing the patient to more quickly find the correct positioning. It can replace the low backrest (33x16 cm). This results in a smaller number of drills and accessories to the chair, and as well a faster and more efficient examination.

As accessories, we have wall mounts for the backrests that is not mounted on the chair.



*Foldable foot ring.*



*Seat with trailing edge.*

*Electric brake.*




*Foldable armrest for easier lateral movements.*

*Wall mounts for backrests that is not mounted on the chair.*



### **Swedish quality**

REAL 8100 PLUS EL X-RAY is developed and manufactured in-house in Sweden. The chair is EMC-tested at Intertek and approved in accordance with EN 60601-1-1 and EN 60601-1-2. The PLUS-frame is tested at Sveriges Tekniska Forskningsinstitut (SP) and approved in accordance with EN:1335. Strict quality requirements guarantee many years of safe operation. 



*Easy-to-manoevre castors, 100 mm SL.*



## ⊕ REAL® 8100 PLUS EL X-RAY

### Standard version

- Electric raising/lowering via remote control.
- Seat height 47-75 cm with rotation.
- White PLUS-frame "clinic" with protractor.
- Foot- and handbrake.
- Castors, 100 mm SL (alt. available).
- Crank-controlled seat angle adjustment.
- Back 33x16 cm.
- High back with adjustable cushion and neck support made of Makrolon.
- Seat 44x48 cm (alt. available).
- Foldable armrest, 35 cm (alt. available).
- Imitation leather covering.

### Comfort version

- Electric raising/lowering via remote control.
- Seat height 47-75 cm with rotation.
- White PLUS-frame "clinic" with protractor.
- **Electrical brake.**
- Castors, 100 mm SL (alt. available).
- **Electrical seat angle adjustment.**
- Back 33x16 cm.
- High back with adjustable cushion and neck support made of Makrolon.
- Seat 44x48 cm (alt. available).
- Foldable armrest, 35 cm (alt. available).
- Imitation leather covering.



Colour options in imitation leather/skai. Black (38) is standard.



[31 red]



[32 brown]



[35 blue]



[36 grey]



[38 black]