Clinical furniture and instrument support

77FY

Articulated operating chair for outpatient surgery.

Discover the Frastema 77FY surgical bed, an ergonomic solution designed to support surgical procedures. Combining patient comfort with practical handling for medical staff, this versatile bed accommodates the stages of day surgery without additional transfers. Precise electric controls, mobility and a load capacity up to 300 kg support operating room efficiency and safety. The 77FY brings together innovation and performance for teams and patients.



77FY · Equipment view

Sources and documentation

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Generated on 2026-11-28

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Key advantages

Surgical positioning

Backrest, leg section and tilt adjustments.

Sources and documentation · Source checked on 2026-10-05

Mobility and braking

Steerable castors with foot-operated braking.

Sources and documentation · Source checked on 2026-10-05

Adaptable power supply

Mains or 24 V battery version depending on configuration.

Depending on configuration

Sources and documentation · Source checked on 2026-10-05

Capabilities in practice

Surgical chair for outpatient surgery

Manufacturer Frastema / FE-Group; existing ASEM commercial brand retained.

Sources and documentation

BENEFITS OF THE SURGICAL CHAIR

The chair offers several benefits:

It accommodates preoperative preparation, treatment or surgery, and postoperative care. The patient remains in the chair throughout the process, from admission to postoperative care. Before and after surgery, no separate bed or stretcher is needed, saving time and reducing investment.

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There is no need to transfer the patient from a stretcher to an operating table. This makes the SURGICAL chair ergonomic for nurses, staff and patients.

Using several surgical chairs can considerably improve efficiency.

Main features

Ergonomic design: provides patient comfort while reducing the risk of back injury for medical staff.

Versatility: accommodates preoperative preparation, surgery and postoperative care without patient transfers, improving efficiency and reducing the need for additional beds or stretchers.

Mobility: wheels with three-position pedals (brake, directional and neutral) facilitate safe patient movement between care units.

Electric controls: a hand control precisely adjusts chair positions to the requirements of each procedure.

Capacity: supports a maximum weight of 300 kg for use with a wide range of patients.

Power supply and emergency safety devices

The mains supply is used only to charge the battery. The chair also has several emergency and safety devices.
Duty-cycle battery
The battery allows up to 1 week of work before recharging.

Mobility
Special wheels have a pedal offering 3 positions: directional, directional and brake.

Hand control
The hand control provides full control of all chair movements and adjustments.

Options:

Wireless foot control
Anaesthesia armrest
Oxygen connection
Surgeon's wrist rest
IV pole

Long-term reliability

Built to last, the 77FY supports a maximum load of 300 kg for reliable use with a wide range of patients. Its sturdy structure and high-quality components make it a durable investment for healthcare facilities.

Greater efficiency

Electric controls and adjustment for each surgical stage — preoperative, operative and postoperative — help the 77FY simplify care processes. Eliminating unnecessary patient transfers reduces preparation time and improves overall operating room efficiency.

Key replaceable components

Electronic modules

Electrical components such as motors and control panels can be replaced individually if they fail, without dismantling the entire bed.
Castors and locking mechanisms

Wheels with directional pedals are replaceable, preserving mobility after prolonged use.
Ergonomic mattresses

The mattress can be removed and replaced to maintain hygiene and patient comfort.
Upholstery and armrests

Padded surfaces such as armrests and headrests can be replaced quickly if worn or damaged.
Hydraulic or electrical system

Height and tilt adjustment components are modular, allowing targeted repairs or replacement.
Benefits:
Lower costs: a faulty individual component does not require replacement of the entire bed.
Time savings: standardised, readily available parts support quick repairs.
Longer service life: regular maintenance and replacement of worn components extend the bed's life.
The modular design of the 77FY supports reliable, continuous use in demanding medical environments.

Hand control features

Intuitive controls

Clear, well-organised buttons make the hand control easy to operate, including when quick action is needed.
Precise adjustments

It precisely adjusts:
Bed height.
Backrest inclination.
Leg angle.
Trendelenburg or reverse Trendelenburg positioning to suit surgical requirements.
Easy access

Positioned within reach, the hand control is readily accessible to medical staff or, in some cases, to the patient.
Reliability and durability

Robust materials withstand intensive use.
Ergonomics and safety

Its ergonomic design helps prevent operating errors. Certain critical functions can be locked to prevent unintended adjustments during a procedure.
Simplified maintenance

If it fails, the hand control can be replaced separately from the main system, helping keep the bed in use.
Benefits:
The 77FY hand control supports workflows and quick, smooth adjustments, improving the experience for staff and patients. It helps maximise efficiency and comfort in surgical settings.

Designed for a smoother workflow

One patient support

The manufacturer presents the 77FY for preoperative preparation, the procedure and postoperative care. This describes the intended chair use and does not guarantee a medical outcome or time saving.

Sources and documentation

Movement controls

The hand control adjusts the chair actuators. The page specifies a height range of 680 to 1000 mm, backrest angles from 0° to 82° and legrest angles from 0° to 62°.

Sources and documentation

Three-position wheel control

The wheel pedal provides three control positions: brake, steer and neutral. These are mobility functions, not a claim that patient movement is prevented.

Sources and documentation

Designed for daily practice

Battery and charging

The specification lists a 24 Vdc battery, a built-in charging system and a battery-level display. Runtime depends on use conditions; no actual duration is promised here.

Sources and documentation

Accessories to configure

Wireless foot control, an anaesthesia armrest, oxygen connection, surgeon wrist rest and drip pole are listed as options. They are not assumed included in delivery.

Sources and documentation

Technical specifications & documentation

Mounting
Castors: direction / rotation / brake controlled by pedal

Sources and documentation

Adjustment ranges
Height 680–1000 mm; backrest 0–82°; leg rest 0–62°; tilt −18°/−10°

Sources and documentation

Power supply
220–240 V AC (110 V depending on version); 50–60 Hz; 24 V DC battery

Sources and documentation

Weight
150 kg

Sources and documentation

Downloads & resources

- https://www.frastema.com/products/surgical-bed/surgical-bed-77fy/
  Source checked on 2026-10-05
- https://www.frastema.com/products/surgical-bed/surgical-bed-77fy/
  Source checked on 2026-10-18

Your questions about 77FY

What is the documented Mounting of 77FY?

Castors: direction / rotation / brake controlled by pedal

Sources and documentation

What is the documented Adjustment ranges of 77FY?

Height 680–1000 mm; backrest 0–82°; leg rest 0–62°; tilt −18°/−10°

Sources and documentation

Is wireless foot control standard?

No. The manufacturer lists it as an option. A hand control does not establish that wireless foot control is supplied.

Sources and documentation

Which wheel controls are documented?

The specification describes a three-position pedal: brake, steer and neutral. This controls chair mobility.

Sources and documentation

Which battery is specified?

The specification gives 24 Vdc with built-in charging and a battery-level display. This value alone does not establish guaranteed runtime.

Sources and documentation

Related products



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F.I.S.O.

Clinical furniture and instrument support

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Huvitz

Clinical furniture and instrument support

Motorised table for positioning examination instruments.

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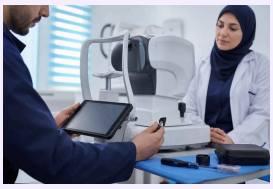

Service illustration

After-sales service

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Service illustration

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