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Famed FREYA

Comfort and safety at every stage of childbirth.
Mother–child closeness from the first moments.

www.famed.com.pl

Products made of materials
featuring antibacterial properties.

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An all-in-one solution for your L&D unit

Famed FREYA is an electrically controlled all-in-one column type bed, combining the functionality of a hospital bed (PN-EN 60601-2-52 conformity) and a delivery bed. Owing to independent controls and accessories at hand, turning a bed configuration into a birthing chair is quick and intuitive. The three-column structure ensured high stability and a carrying capacity of even 250 kg, creating safe conditions for birth companionships. The 820 mm wide lying surface enables close physical contact between mother and baby from the very first moments after birth. With the built-in rechargeable battery the device remains fully functional in emergency situations (several cycles).

Famed FREYA

Comfort and safety at every stage of childbirth.
Mother–child closeness from the first moments.

all-in-one solution

Famed FREYA

support at every
stage of childbirth

KEY FEATURES 01

FULL SUPPORT DURING CHILDBIRTH

- With the bed's design it possible to quickly reconfigure it to a birthing chair without having to move the patient.
- The three-column design ensures high stability during delivery.
- The 820 mm wide bed frame and a maximum load of 250 kg enable birth companionships.
- Reinforced bed's design to ensure solid support for the mother and medical personnel during parturition.
- Height- and angle-adjustable knee pads for easy and quick positioning of the lower extremities.
- Ergonomic foot rests for stable support during childbirth – capacity up to 500 N.
- Folding handles to facilitate an active position and provide a firm grip during pushing.
- A wide range of adjustments and available accessories to help the mother-to-be assume the most comfortable birthing position.
- Smooth adjustment of the back and leg segments to facilitate free breathing and active labour of the body.
- Compatibility with the Famed OVO 2 infant bed ensures mother-child closeness from the first moments.

COMFORT AND SAFETY

- Full conformity with PN-EN 60601-2-52.
- Side rails protecting mother and child from falling.
- All plastic and coated parts in **pSilver™** technology.
- Polyurethane foam mattresses in a waterproof cover with welded seams.
- Dedicated control panels in side rails featuring activation function for patient and medical staff.
- A bedside lamp in the base to illuminate the space around the bed for the patient.
- **Nurse Call™** – bedside nurse call system or the option of connecting to a central hospital system.
- Selected functions from the central panel can be disabled so positions cannot be accidentally changed by unqualified persons.
- Easy and quick disinfection due to the columnar design and removable ABS plastic mouldings.
- Built-in rechargeable battery to maintain full functionality in emergency situations (several cycles).
- Central wheel lock to prevent accidental movement of the bed.
- CPR lever for quick response in emergency situations.

Our technologies:

pSilver™

fCharge™

FUNCTIONALITY

- Quick and easy reconfiguration of the bed into a birthing chair.
- An all-in-one solution that accompanies the mother at every stage of childbirth.
- All accessories at hand – dedicated accessory storage space in the base moulding and special holders for items removed when reconfiguring the bed.
- Side rails and mounting slots for additional accessories.
- Multitude of available controllers for easy positioning of the patient, and an optional foot controller to change the position of the bed and care for the patient at the same time.
- Removable footboard and headboard.
- Electric adjustment of height, longitudinal tilt, back and thigh segments and extension (the version with electric extension of the bed frame).
- Items available at the press of a button: Fowler, cardiac chair, Trendelenburg, position 0 and exam position.
- Removable footboard and headboard for full access to the patient by medical personnel.

MOTHER–CHILD CLOSENESS 02

The strong and positive mother and child interaction from the first moments after birth is nothing short of magic. Ample scientific evidence leaves no doubt that this early closeness that is crucial to the baby's development and the mother's well-being. Direct skin-to-skin contact promotes a child's immunity, regulates heart rate as well as increases the frequency of eye contact and social responses [1]. This was our inspiration when creating a solution that supports this process from the very beginning.

Benefits of direct mother-child contact after birth:

Stabilisation of heart rate and breathing

Safe physiological adaptation of the child to postnatal life [4].

Strengthening immunity

Contact with maternal flora and regulation of the newborn's microbiome [5].

MAMA

CHILD

Bond building

Skin-to-skin contact enhances interactions and emotional closeness [6].

Oxytocin

Increased oxytocin levels in mother and baby [2]

Low Cortisol

Reduced stress levels in the newborn and mother [3].

We have created a solution that supports the idea of direct mother-child from the first moments after birth. Famed FREYA ensures dignified and safe conditions for the mother at every stage of labour and the opportunity to the newborn for physiological, uninterrupted closeness to the mother. This mother-child contact strengthens the bond, soothes emotions and gives a sense of security to both the child and the woman after birth.

Full conformity with the PN-EN 60601-2-52

Conformity with EN 60601-2-52 is a confirmation that Famed FREYA meets the highest standards of safety and ergonomics of a hospital bed. The bed guarantees optimum conditions not only before and during childbirth, but also in the first moments after birth - supporting the mother-child closeness.

Clearance between base and floor

The clearance between the base and the floor is 150 mm high and 720 mm long, ensuring compatibility with newborn bassinets available on the market. It enables the mother to safely care for her child without having to get out of bed.

Safety and comfort

The 820 mm wide bed frame ensures comfort and freedom of movement during childbirth, and adequate space for mother and child right after birth – without having to change the location. Side rails protect mother and child from falling while they are together on the bed.

Dedicated control panel for the patient

A control panel located on the inside of side rails enables the patient to self-adjust the position of the bed for daily care of the newborn – without involving the staff and without having to get out of bed.

FAMED

COMFORT AT EVERY STAGE OF CHILDBIRTH

04

While the birthing experience varies from place to place and from care system to care system, what remains constant is the need to create a safe and comfortable for the female patient. It is this universal value that became the starting point for creating the Famed **FREYA** delivery bed. Listening to the experiences of patients and medical personnel in different countries, we designed a solution that not only responds to changing clinical realities, but most importantly supports the mother at every stage of childbirth.

A faithful companion at every stage of childbirth

Famed FREYA is a solution that accompanies the mother at every stage of childbirth – without having to move the patient from the bed to the birthing chair and back again. This elimination of transfers reduces unnecessary stress and increases the sense of comfort while in the labour ward. With the bed the entire childbirth process can take place in one space – making it easier for the staff and giving the patient a sense of stability and continuity of care.

Polyurethane foam mattresses

Foam mattresses increase the feeling of comfort while in the labour ward. A set of three elements of varying thickness and density provides optimum body support regardless of the patient's position. The polyurethane foam matches the shape of the body, and the waterproof cover with welded seams prevents liquids from seeping in.

Wide range of adjustment

A wide range of adjustments helps customise the bed settings to meet the individual needs of the mother-to-be. Smooth change of the height, tilt of the backrest and thigh segment supports both patient comfort and staff ergonomics. Famed FREYA gives a woman the space to find a position where she feels safe.

Nurse Call

The Nurse Call function is accessible from a dedicated control panel in the side rail. The button located within easy reach can be used to quickly call medical personnel in an emergency. This simple solution increases the sense of comfort and security.

BIRTH COMPANIONSHIP 05

3.8 billion

Birth companionship and doula support are becoming more and more popular around the world. According to reports, the market for doula care services is growing rapidly - its value is expected to reach USD **3.8 billion** by 2033, with an average annual growth rate of 10.8% [7].

Famed FREYA was created to support this trend, offering **stability, space and safety** during accompanied childbirth.

86%

Over **86%** of women report that the presence of a partner or loved one during labour significantly increased their sense of calm and comfort [8].

Stability
Famed FREYA's three-column design guarantees high stability even with uneven distribution of forces, which is especially important during family births. This allows the attendant to actively support the parturient in assuming various birthing positions.

High maximum load parameter
The maximum load of 250 kg allows for the simultaneous presence of the parturient and a companion on the surface of the bed. This allows a companion to support the mother-to-be during labor without the risk of overloading the structure.

Wide bed base
The 820 mm wide sleep surface provides comfort and safety for the patient and attendant at every stage of labor. The larger space allows a loved one to actively support the birthing woman from either side of the bed and promotes maintaining closeness throughout the course of labor.

High quality workmanship
High-quality materials ensure durability and reliability at every stage of childbirth. Reinforced steel construction and accessories resistant to intensive use and loads accompanying childbirth guarantee stability and full functionality.

ASSISTANCE BY MEDICAL STAFF

06

Wide range of electrical adjustments

Using the control systems the patient's position can be quickly adjusted to current medical needs - both during examination as well as delivery. This minimises the physical effort of staff and reduces response time in situations that require intervention. All bed functions can be controlled electrically.

Multiple controllers

The bed can be controlled with a wired remote control, a central panel, panels in the side rails, and an optional foot controller. This way medical personnel can quickly and conveniently adjust the position of the bed from either side.

Reinforced construction

A steel frame, energy-absorbing plastic components and a solid base guarantee strength and stability. The footrest, integrated into the base, is a comfortable step to make it easier for medical personnel to adopt an ergonomic position and ensure unobstructed access to the patient during delivery.

Bed function lock

Medical personnel can lock selected bed functions from the central panel, thus protecting the patient from accidental position changes. This solution improves safety and prevents unauthorised changes of settings. The lock is activated from the central panel.

ASSISTANCE BY MEDICAL STAFF 06

Pre-programmed positions

Pre-programmed positions, accessible at the touch of a button — including Trendelenburg position, cardiac chair, CPR, examination position and Fowler's position — facilitate quick and precise positioning of the patient at any stage of childbirth.

Easy disinfection

The columnar design, ABS plastic covers protecting sensitive components, removable mouldings of the bed frame as well waterproof, removable mattresses make disinfection easier and faster. Coated and plastic parts are enhanced with pSilver™ technology

Accessories available at fingertips

Knee pads and hand grips fold under the bed frame, and the footrests can be stowed in the base moulding. This solution speeds up the preparation of the bed for the next stages of labour and makes it easier to maintain order around the workstation.

Quick transformation from bed to birthing chair

It takes just tens of seconds to re-configure this hospital bed to a birthing chair. Intuitive controls and ergonomically placed accessories help staff instantaneously prepare the bed for the next stage of labour, without having to move the patient.

We make it convenient for the medical staff

Re-configuration in 5 easy steps

1.

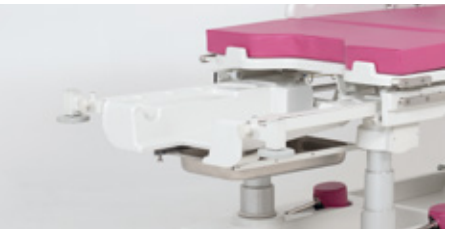
Remove the footboard and attach it to the dedicated bracket located on the opposite side of the bed frame (head side).

2.

Use knee pads to support the patient's legs. Adjust the angle and height of the knee pads using the knobs.

3.

Dismantle the thigh segment mattress and stow it in a dedicated place – between bed boards or in the base moulding.



4.

Use the wired remote control or adjust manually the extension level, if necessary.*

5.

Use the available controllers to adjust the angle of the backrest and thigh segment. Use the buttons for simultaneous adjustment of both segments (autoregressive function).

* Optional electric bed extension via remote control.

SAFETY

07

For years, we have been designing medical equipment that combines innovation, ergonomics and the highest safety standards. We understand that in the labour room environment every detail matters, so already at the design stage we focus on solutions that not only meet strict standards, but also make daily work easier and more convenient at every stage of childbirth.

Resuscitation support

Contrasting CPR levers, located on both sides of the bed, make it possible to immediately reset the bed frame position and quickly begin CPR. The electric CPR function is also available via the central panel.

Proven safety

Conformity with EN 60601-2-52 is a confirmation that the bed meets stringent safety and ergonomic requirements. EN 60601-2-52 standard covers requirements for support structure, stability, minimum clearances to protect against injury and effective disinfecton.

Stability in any situation

The structure, supported by three cylindrical columns, ensures stability and enables safe child delivery. Large, double wheels with a central locking mechanism protect the bed against uncontrolled rolling, ensuring safety both during childbirth and during daily care.

Patient safety

The distances between the handrails, bed frame and bed boards are been designed according to the requirements of the standard to minimise the risk of jamming fingers and hands.

Dual autoregression

Autoregression of the back and thigh segments reduces pressure on the abdomen and pelvis, limits shear forces and reduces the risk of slipping out of the bed. This way the patient is able to maintain a comfortable position for longer, and her tissues are better supplied with blood. It supports the physiological course of labour, improves comfort and safety, and promotes proper oxygenation of the baby.

FUNCTIONALITIES

08

All plastic and coated parts in **pSilver™** technology.

Side rails made of durable ABS plastic

Control panels in side rails for patient and medical staff

Adjustable knee pads, footrests and folding hand grips included

Electric or manual bed extension with a maximum load of 170 kg

Can be personalised:
choice of upholstery colour and inserts

Heather
H4 (Ab4)

Magnolia Flower

ABS plastic base with embossing for accessories

Removable ABS plastic mouldings.

Extendable gynaecology bowl.

Foam mattresses in waterproof cover with welded seams

Central control panel with lock of selected functions

Dedicated space for bed board and mattress in the birthing chair configuration

Intuitive wired remote control

Mounting slots for IV holder and hand grip

CPR levers for quick bed levelling

Bumpers to prevent damage to equipment and walls

Central wheel lock

Accessory rails for additional equipment

Full conformity with PN-EN 60601-2-52.

Clearance between base and floor: 150 × 720 mm

Optional additional accessories.

CONTROLLERS

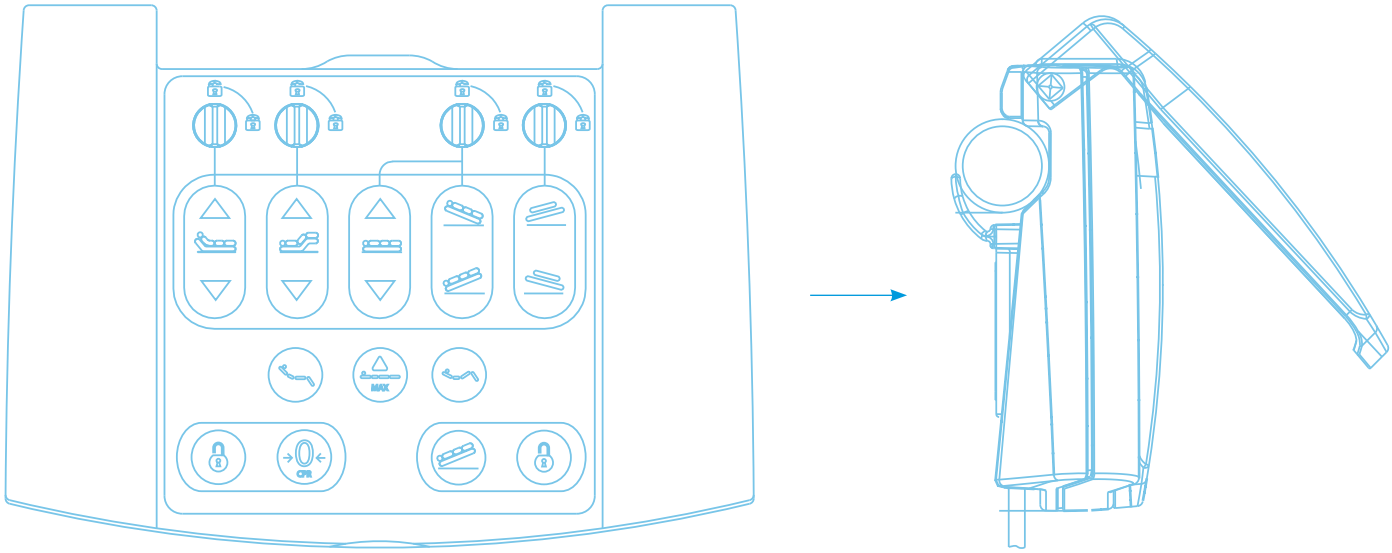
09

Patient control panel

A dedicated control panel for the patient is located on the inside of the side rails. The controller can be used to adjust height, autocontour position, back and thigh segment, it also provides access to the nurse call system and under-bed light switch.

Control panel for staff

A dedicated control panel for medical personnel is located on the outside of side rails. The controller can be used to adjust height, autocontour position, back and thigh segment, as well as Trendelenburg and anti-Trendelenburg positions.



Central control panel

- Selected or all bed functions can be locked (except CPR function and Trendelenburg position).
- Pre-programmed positions: Trendelenburg, cardiac chair, Fowler, examination, CPR.
- Intuitive user interface.
- LED indicating that all bed functions are locked.
- Adjustable: height, backrest, thigh segment, longitudinal tilt and autocontour position.
- A safety flap to prevent accidental change of settings.
- Functions locked with knobs can be temporarily unlocked.
- A bracket to mount the panel on bed boards and side rails.

Foot controller

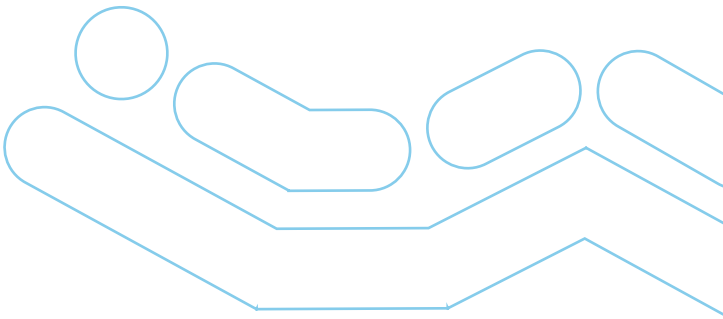
The controller can be customised to the requirements of medical personnel and can support the functions of height or backrest or thigh segment adjustment or Trendelenburg and anti-Trendelenburg positions.

Remote control

The remote control can be used to adjust bed height, backrest and the thigh segment angle, the autocontour function, and the extension of the bed frame. LEDs on the remote control indicate when the bed is unplugged and battery charge level.

PRE-PROGRAMMED POSITIONS

Convenient re-configuration via the central control panel



Cardiac chair position

Fowler's position

Examination position

Trendelenburg position

Zero position setting

BIRTHING POSITIONS 10

1. Sitting position using handles.
2. Sitting - lateral position using accessories.
3. Supported kneeling position using the mattress filler
4. Squatting position using foot rests and handles.
5. Knee-and-elbow position.
6. Knee-and-elbow position with a raised back segment.
7. Squatting position using a side rail.
8. Squatting position using hand grips.

BIRTHING POSITIONS 10

9.

10.

11.

12.

13.

14.

15.

16.

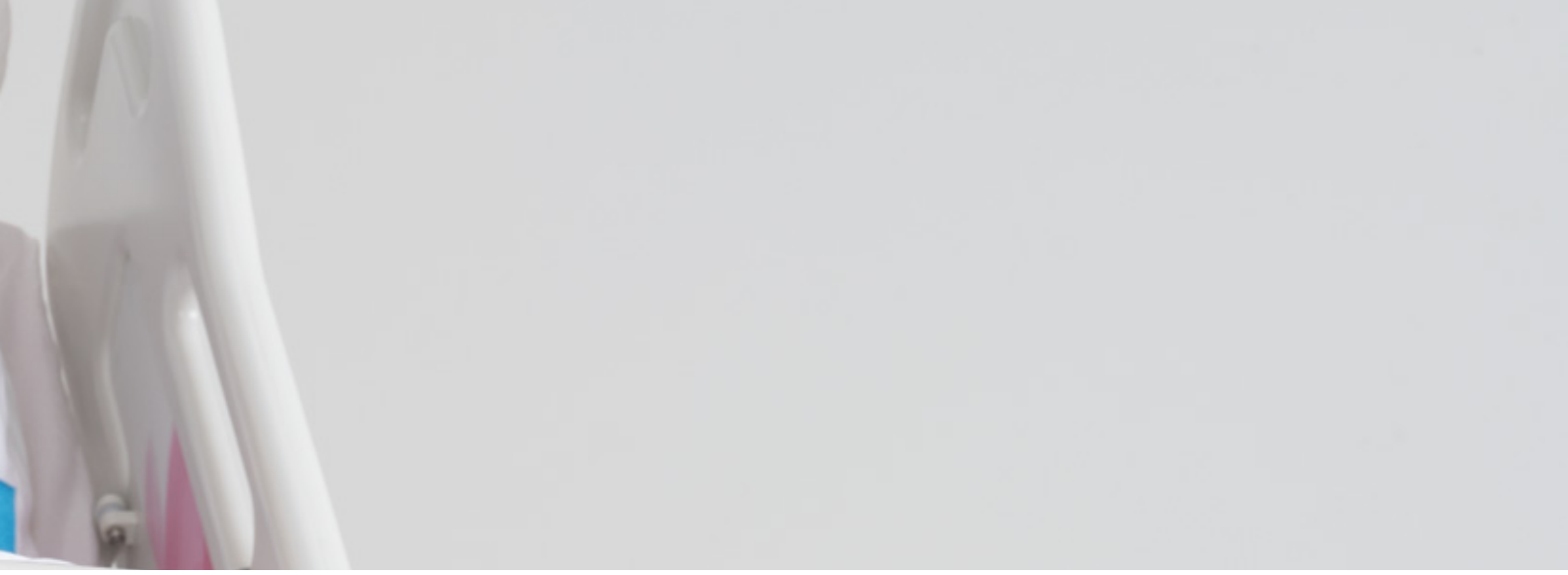
9. Squatting position using a bracket.
10. Lateral position using a knee pad.
11. Sitting position using knee pads to support feet.
12. Sitting position using knee pads.
13. Lying down position using knee pads and handles.
14. Squatting position using extension and bracket.
15. Supported sitting position on a ball.
16. Squatting position using a filler mattress.

BED POSITIONS

11

The modern design and functionality of famed **FREYA**ensures comfort for the patient and ergonomics for the staff. Ease of operation, manual or electric extension of the bed frame and a wide range of adjustments make it a modern, practical and versatile solution for delivery rooms.

Maximum backrest elevation angle 70°
Maximum angle of elevation of the thigh segment 30°



Electric bed frame extension 400 mm.
Manual bed frame extension 440 mm.

Minimum height 595 mm.
Maximum height 975 mm.

Trendelenburg position 20°
Anti-Trendelenburg position 20°

CUSTOMISABILITY

12

Visualisations for Famed **FREYA**

Heather
H4 (Ab4)

Magnolia Flower

Aquamarine
H6 (Ab6)

Forest

Tangerine
H8 (Ab8)

Colourful style

Light grey
5F

Magnolia Grey

Colour charts

Colour charts for upholstery, Famed FREYA:

Black H1 (Ab1)	Heather H4 (Ab4)	Aquamarine H6 (Ab6)	Tangerine H8 (Ab8)	Yellow 1F	Light blue 2F
Blue 3F	Turquise 4F	Light grey 5F	Grey 6F	Black 7F	Red 8F

TECHNICAL SPECIFICATIONS 13

TECHNICAL SPECIFICATIONS	LM-03 Famed FREYA
Overall length	2165 mm
Overall length in seat position	1780 mm
Maximum width	965 mm
Dimensions of the seat and back mattress	820 x 1475 x 80 mm
Dimensions of the bed frame extension mattress	820 x 600 x 170 mm
Dimensions of a mattress for a newborn baby	550 x 315 x 35 mm
Height adjustment	595 - 975 mm
Electric / manual bed frame extension	400 / 440 mm
Back support autoregression	78 mm
Thigh segment autoregression	7 mm
Maximum load of extendable bed frame	170 kg
Maximum angle of elevation of thigh segment	30°
Maximum back support elevation angle	70°
Trendelenburg and anti-Trendelenburg tilt	20°
Maximum load	250 kg
Clearance under the bed (height x length)	150 x 720 mm
Degree of protection (IP according to IEC 60529)	IPX4
Wheel diameter	150 mm

ADDITIONAL EQUIPMENT

- urine pot holder WL-20.6
- bedpan holder WL-19.6
- dual foot controller WL-99.54
- handle UR-07.02
- handle UR-07.04
- drip bottle holder WK-17.0
- angled drip bottle holder WK-17.2
- Handle - WL-40.6
- Drip bottle holder - WK-12.0
- Handle for squatting position with angle adjustment - WL-41.7

TECHNOLOGY

14

pSilver™

All ABS components are made using pSilver™ technology. Prefabricated with silver nanoparticles, which we use in the moulding process, for effective bacteriostatic protection. pSilver™ technology in the areas that the patient touches most often reduces the proliferation of microorganisms. pSilver™ is also a treatment process for plastic parts, to ensure a smooth surface with texture impeding contaminants accumulation.

fCharge™

All batteries that power Famed Żywiec products are selected from a proven supplier, our long term business partner. Each fCharge™ battery undergoes an inspection by a third party, followed by a series of tests in several technology departments at our production facility. The charger featuring fCharge™ fast charging technology, integrated into our products, quickly supplies the batteries with the necessary power. With a minimum of dozens of guaranteed complete cycles, it offers safety during any medical procedure.

Famed Żywiec

Famed Żywiec is a leading European manufacturer of high-end medical equipment. For more than 75 years, we have been the supplier for medical facilities of thousands of the highest quality operating tables, hospital and delivery beds or gynaecology chairs. Our company's products are used by physicians in Poland and in more than 120 countries around the world.

What makes as different is our qualified staff, wide product portfolio, modern machinery and unique technological solutions deployed in production. We were one of the first companies in the world to introduce carbon in the production of operating tables. We also offer the world's safest imaging table.

Our mission is to facilitate the work of medical personnel and improve patient comfort during the hospital stay. The innovative designs and commitment to reliability of our products is a direct contributor to improved quality of medical care in Poland and around the world.

President of Famed Żywiec

Marek Suczyk

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EU Made in POLAND

UNEP IE CLEANER PRODUCTION FRAMEWORK
CZYSTSZA PRODUKCJA

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