

Crozz two 2G

Medical equipment cart



Integrated 3-EASY
monitor arm system



Advanced cable
management system



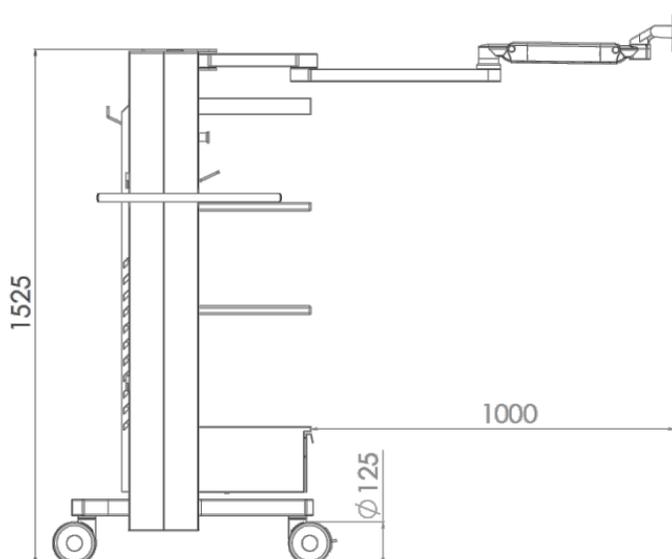
Central mains switch
and protective fuses



Jansen
medicars

Crozz two 2G medical equipment cart

The Crozz two 2G is the latest generation of compact medical equipment carts. It is designed to optimally position medical devices in operating theaters and treatment rooms. Due to the modular concept this cart can be assembled according to customers requirements. The narrow base of the cart makes it ideal for placement close to the OR table. The cart can be equipped with long flexible monitor arms for the optimum ergonomic arrangement of the surgical monitors.



Key features

The basic cart is standard equipped with:

- Solid chassis with heavy-duty $\varnothing 125\text{mm}$ dual wheel swivel castors, the front two are equipped with a total stop (double brake: rolling and swiveling blocked). These castors run very smoothly. The low rolling resistance is obtained by the wheel diameter 125mm in combination with wheel hub precision ball bearing. With two precision ball bearings in the swivel head of the castors, the cart easy to steer, which comes in handy when maneuvering in tight spaces such as the operating theatre. Also, the castors are highly resistant to corrosion
- Lateral side skirts, fitted with ergonomic handles, mounting rails (front and rear) and cable management system;
- Rear door that offers equipment protection and ventilation;
- Top shelf with storage space for monitor power supplies, main power switch and fuses;
- Mounting bridge to connect monitor arms and infusion / scope holders.
- The power switch is located high on the cart, making the power switch accessible on an ergonomic height. Because the switch falls back slightly in the top shelf it is protected from the undesirable switching off.
- Next to the main power switch, the main fuses are placed for optimum electrical protection of the equipment.
- A wide range of accessories is available to configure the cart to any required configuration: shelves, drawers, infusion poles, scope holders, cable hook, infusion holder, scope holder, camera holder, etc..

Ergonomics

Ergonomics is in endoscopic surgery even more important than in conventional surgery. This is because endoscopic procedures sometimes take longer. Because the trocars fix the position of the instruments, members of the surgical team are also longer in the same position.

The arrangement of the display relative to the OR staff directly determines the posture of the neck. In a poor ergonomic setup, the head of the surgeon is turned toward the screen to observe the operations on the screen. Prolonged standing in a extreme position, increased the risk of physical complaints (in this case especially neck pain).

3-EASY® monitor arm system

The optimum monitor position for the surgeon is right in front of him and close to his working area. This allows him to see both his hands as the display in one eyeshot, allowing him to operate more efficiently and accurately. The three-EASY monitor arm makes this possible!

The Triple Element Arm System 3-Easy® is a monitor arm that contains three arm elements, instead of the usual two: a spring arm and two extensions. With this innovation more freedom of movement of the monitor is obtained during a surgical operation. Depending on the procedure, the monitor can be positioned in different places:

- above the cart:
- above the foot end of the patient; or
- when the surgeon likes to sit down during surgery, the monitor can be placed in a low position.

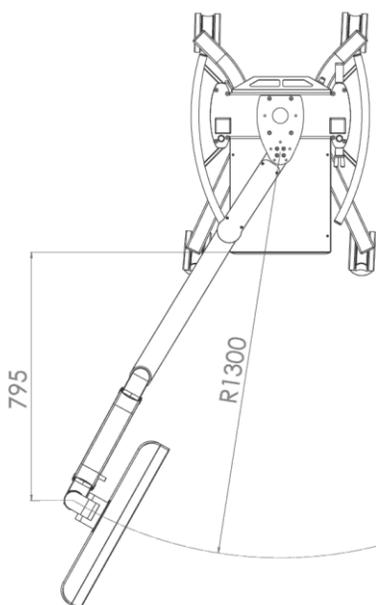
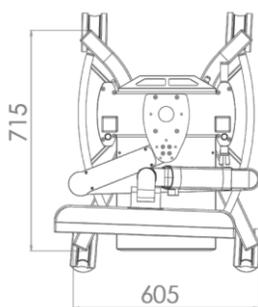
The 3-Easy® system also allows the arm to fold for compact storage and transport of the cart. The monitor can be positioned above the cart and is therefore better protected against damage of the screen. The use of this new arm in combination with the Crozz Two 2G is distinctive from all other carts that can be used for medical applications.

The power and monitor cables are completely integrated in the monitor arm. This makes the whole tidy and the arm can be cleaned easily. The illustration below show how the 3-Easy® monitor arm can be folded into the transport position.

Interested?

Please contact us for more information:

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Netherlands | +31 (0)30 2613500



Specifications

Dimensions wxdxh	60 x 72 x 153	[cm]
Power supply		
- Nom. voltage	230	[VAC]
- Max. power	1600	[VA]
Classification	EN 60601-1	
Earth potential equalization	POAG-6	
Color (powder coating)	RAL 9002	White
Accent colors	RAL 5003	Blue
	RAL 2000	Orange
	RAL 3003	Red
	RAL 7022	Gray

Application examples

The following pages of this brochure show examples of cart configurations in some applications in the operating room:

- Cart setup for a arthroscopic knee surgery
- Setup for arthroscopy for shoulder surgery
- Cart for arthroscopy upper abdomen
- Cart setup for exploratory surgery abdomen
- Stereoscopy 3D cart for neurosurgery

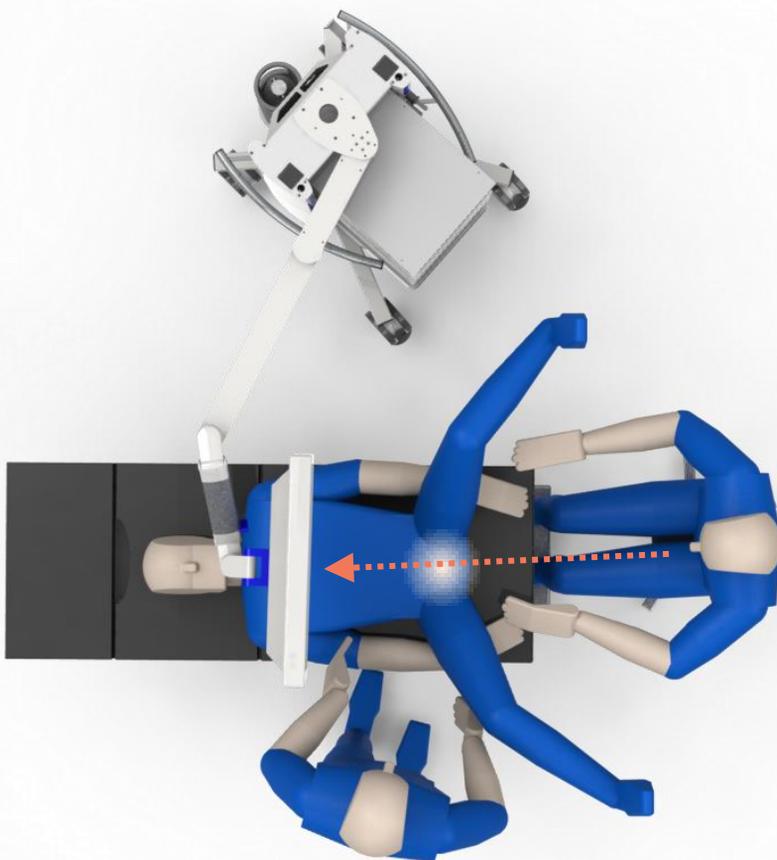
Request a quotation?

Request a quote online via our product configurator or call us.

Our benefits

- ✓ High quality products
- ✓ Modular product concepts
- ✓ Build to your specifications
- ✓ Short lead times
- ✓ Own design & production
- ✓ Custom work for good prices
- ✓ OEM and private label

Endoscopic Surgery in the Lower Abdomen

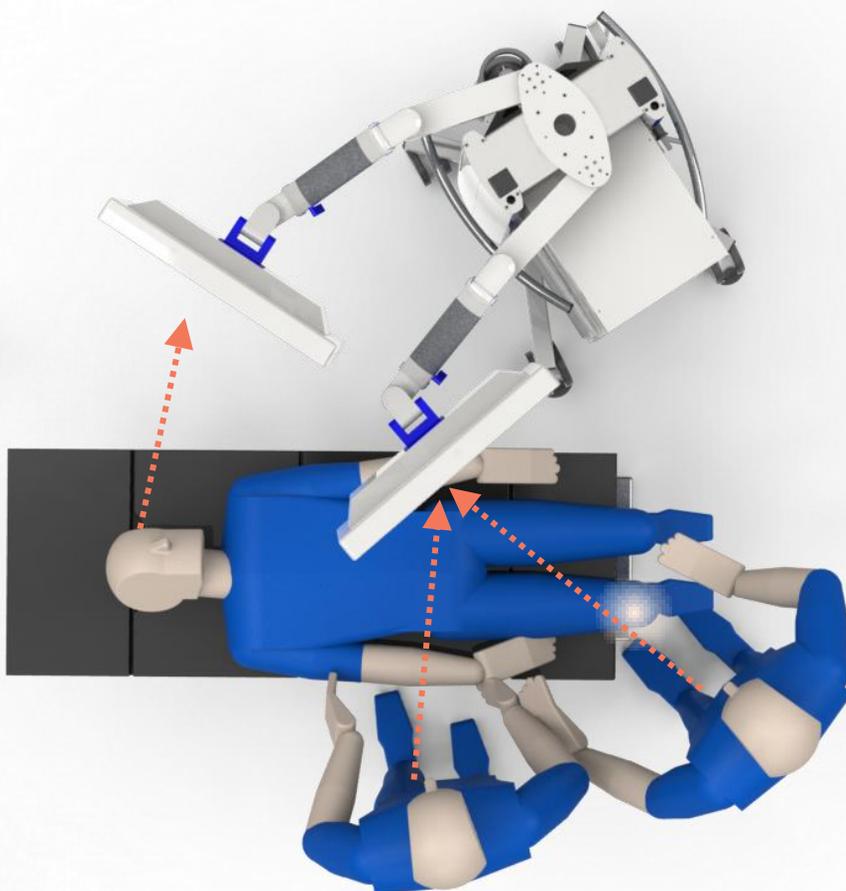


This sample setup is an endoscopic surgery in the lower abdomen, such as a hysteroscopy or another gynaecological or urological endoscopic surgery. The surgical monitor is positioned in front of the surgeon and placed at a convenient working distance. This is the most optimal screen position where both his hands and the monitor are located in the eyeshot at the same time. This optimizes the efficiency and accuracy of the surgeon and minimizes the hazard of a neck injury.

The cart is equipped with a 3-EASY monitor arm, centrally mounted on the cart. The great advantage of this solution is that the arm can be used both at the left and the right side of the cart. The monitor is height adjustable, enabling the surgeon to work in both sitting and standing positions.

The space around the OR table is limited, and must therefore be used as efficient as possible. In this example the available space is optimized because the cart is very narrow and the long monitor arm allows the cart to be positioned away from the OR table.

Arthroscopic Knee Surgery

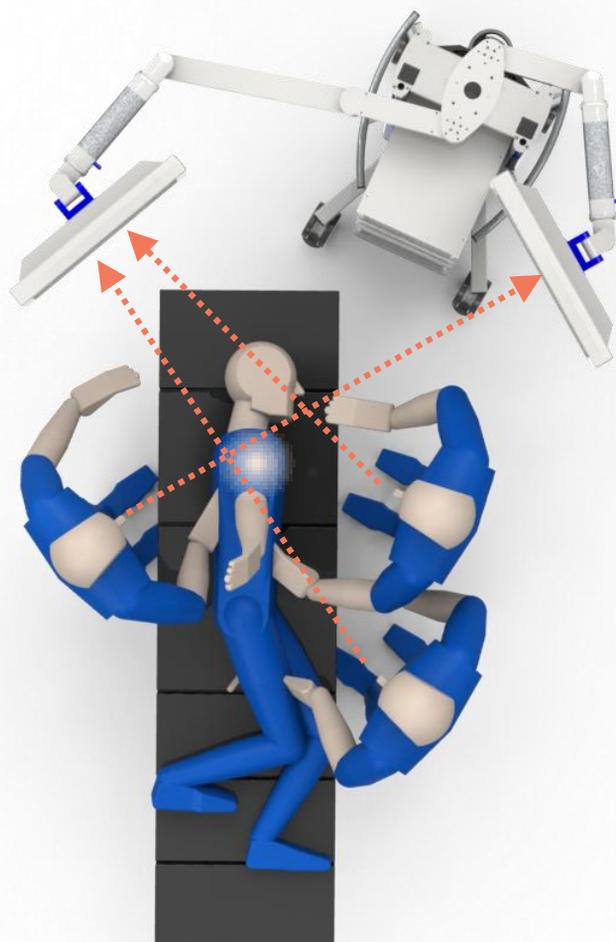


The example shown in the images is an arthroscopic surgery on a knee. The surgical display of the arthroscopy cart is located in front of the surgeon and placed as close as possible to his working area. This is the most optimal screen position where both his hands and the surgical monitor are in his eyesight at the same time. Both working direction and viewing direction are the same, optimizing the efficiency and accuracy of the surgeon as well as minimizing the hazard of a neck injury. If the patient is conscious, he can follow the operation on the second screen.

The arthroscopy cart is equipped with two EASY monitor arms, centrally mounted on the cart. The advantage of this solution is that both arms, independently of one another, can both be positioned at the left and the right side of the cart. The second monitor, positioned on the rear arm, can be used for additional surgical screen or for a PDMS terminal.

The space around the OR table is limited, and must therefore be used as efficient as possible. In this example the available space is optimized because the cart is very narrow and the long monitor arms allow the cart to be positioned away from the OR table.

Arthroscopic Shoulder Surgery

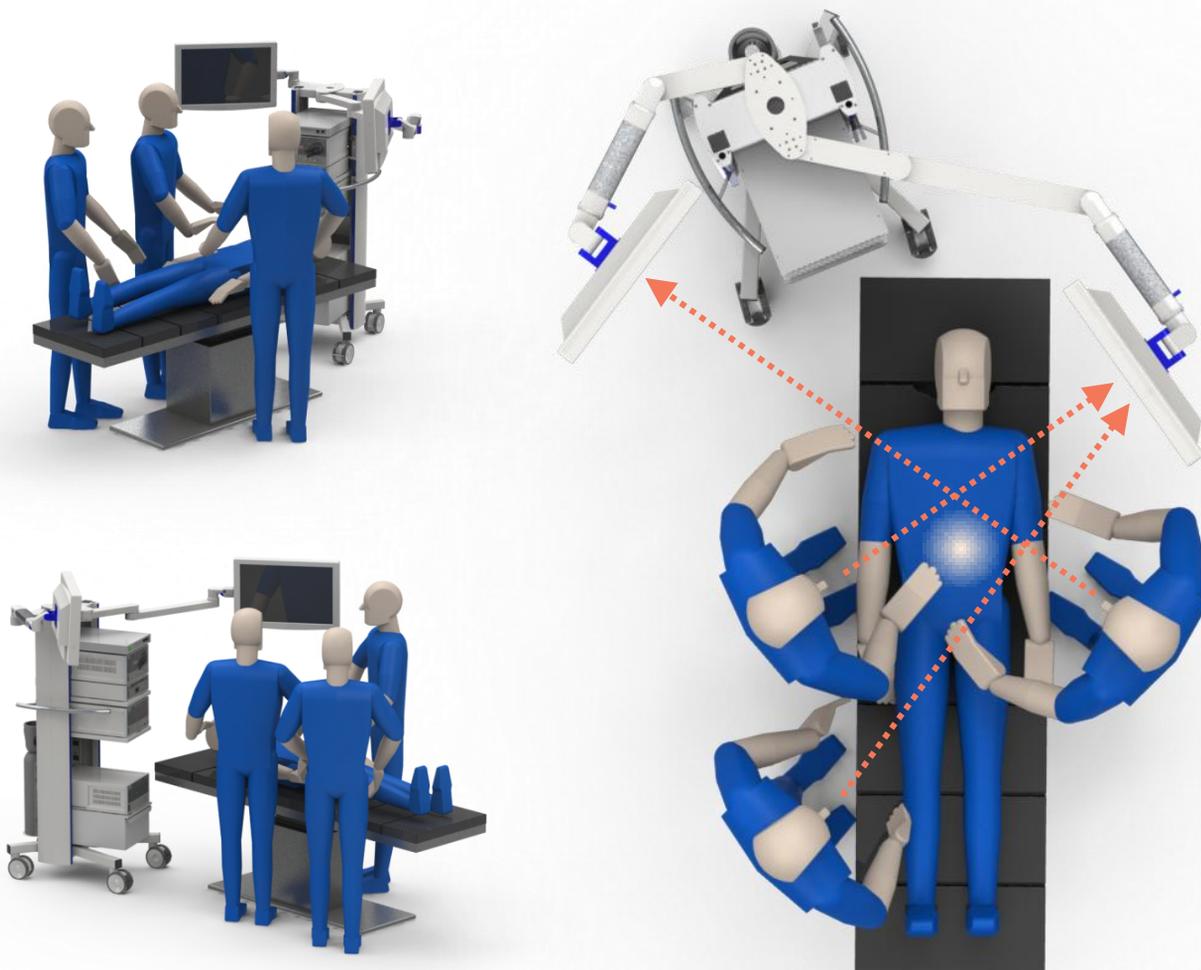


These images illustrate an arthroscopic shoulder surgery. The surgical screens are positioned in front of the surgeon and surgical assistants, and are at an optimum working distance. With these monitor positions, both the hands and the display are located in the eyeshot at the same time. This optimizes the efficiency and accuracy of the surgeon and minimizes the hazard of a neck injury.

The arthroscopy cart is equipped with a 3-EASY and an EASY monitor arm, both centrally mounted on the cart. The great advantage of this solution is that both arms, independently of one another, can be used both at the left and the right side of the cart. The monitor on the rear arm can be used as second surgical display or as PDMS terminal.

The space around the OR table is limited, and must therefore be used as efficient as possible. In this example the available space is optimized because the cart is very narrow and the long monitor arms allow the cart to be positioned away from the OR table.

Endoscopic Surgery in the Upper Abdomen

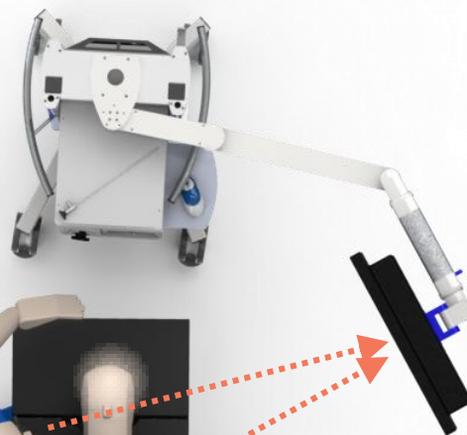


This is an example setup for endoscopic surgery in the upper abdomen, for instance a laparoscopy. The surgical displays are positioned in front of the surgeon and the surgical assistants, and positioned in line with the working area. This is the most optimal screen position where both the hands and the surgical monitor are in the eyeshot at the same time. Both working direction and viewing direction are the same, optimizing the efficiency and accuracy of the surgeon as well as minimizing the hazard of a neck injury.

The cart is equipped with a 3-EASY and an EASY monitor arm, both centrally mounted on the cart. The great advantage of this solution is that both arms, independently of one another, can be used both at the left and the right side of the cart. The monitor on the rear arm can be used as second surgical display or as PDMS terminal.

The space around the OR table is limited, and must therefore be used as efficient as possible. In this example the available space is optimized because the cart is very narrow and the long monitor arms allow the cart to be positioned away from the OR table.

3D Stereoscopy for Neuro Surgery



In this example, a 3D stereoscopy for neurosurgery is shown. The 3D monitor is in front of the surgeon and -for an optimal 3D viewing experience- located at approximately 150cm from the surgeon. This is the best screen position where both his hands and monitor are located in the eyeshot at the same time. This optimizes the efficiency and accuracy of the surgeon and minimizes the hazard of a neck injury.

The cart is equipped with a 3-EASY monitor arm, centrally mounted on the cart. The great advantage of this solution is that the arm can be used both at the left and the right side of the cart. The monitor is height adjustable, enabling the surgeon to work in both sitting and standing positions.

The space around the OK table is limited. The available space is optimized because the trolley is very narrow. The long arm monitor creates an optimal distance from the 3D monitor.