

ERGO-SURG PRO 1

Bos-Sx Equine stainless steel surgery table

2023



The Ergo Surg Pro 1 is an equine surgery table developed with the input of several experienced European and American equine surgeons.

The Ergo Surg Pro 1 equine surgery table is an exclusive table, manufactured only on request for a selective group of surgeons.

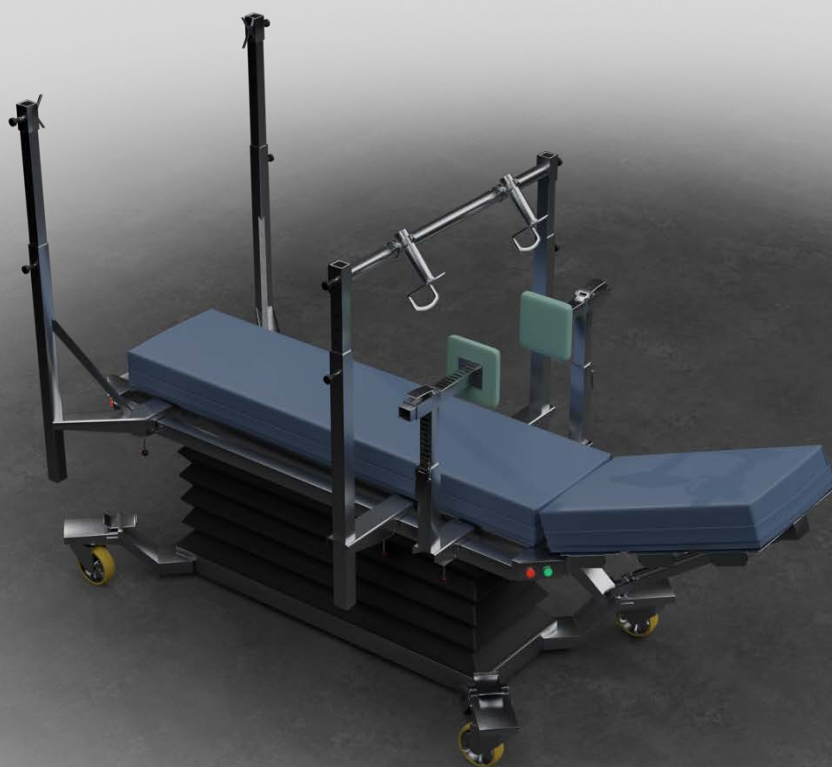
The table and all accessories are made of stainless steel of the highest quality and can withstand the work of a high caseload hospital.

Important points of attention during design included the ability to position the patient perfectly, quickly and efficiently in lateral or dorsal recumbency and to develop an ergonomic table for both patient and surgeon. We wanted to eliminate the side panels, develop an efficient system to fix the legs and create a 360° access to the patient's body and legs while focusing on the surgeon's ergonomics. This was possible by introducing the multifunctional side bar on each side of the table.

The table is fully electric and has no mechanics requiring maintenance.



<https://youtu.be/1Q60JLnvNpg>



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DORSAL RECUMBENCY



Narrated video: <https://youtu.be/t7URModk22c>

The first **important innovation** is the **multifunctional side bar**. This allows the side-plates and posts to be fixed at any level along the table, making it the most **ergonomic equine surgery table** available for both the patient and surgeon.

The second important innovation is the **self-locking shoulder** support, enabling quick and perfectly straight, stable positioning of the patient in dorsal recumbency without the need for cushions.

Hind limbs can be attached to a hoist, can be left free or can be attached to hind limb poles, depending on the surgeon's preference.



Adult Warmblood – dorsal recumbency – stifle arthroscopy position



The self-locking shoulder supports are positioned at the correct height and pushed against both shoulders, while the horse is still suspended straight on the hoist.

The hoist is then lowered and the 2 front legs are pushed forward, with the feet resting on the sternum.



Hind legs free



Hinds legs attached to poles



In large horses the hindquarters can be stabilised with hindquarter support plates. The hind legs can be left free or attached to a hoist or hind limb poles.



The sliding hindquarter support plates do not interfere with abdominal or stifle surgery access and ensure stable positioning of the hindquarters in large horses.



6 months old foal in dorsal recumbency. Fast and stable positioning in dorsal recumbency. Full access to patient. The foal can be positioned at the back or front of the table. Leg and shoulder supports slide along with the patient on the multifunctional sidebar.



1 week old foal in dorsal recumbency. Quick and stable positioning in dorsal recumbency.

Note the full access to the patient.



The self-locking shoulder pads can stabilise any size of patient in dorsal recumbency.

Hind limbs are left free or attached to a hoist or adjustable hind limb poles.

Hindquarter stabilising plates are only needed for large horses.



The hindquarter plates allow quick, stable and perfectly symmetrical positioning of large horses on the table. The angle of the hindquarter plates can be changed from 90° to horizontal.



Colic surgery in a 700kg Warmblood mare. There is full access to the abdomen, regardless of the size of the horse. There are no side plates present.



Full access to the entire left and right side of the abdomen and thorax in adults and foals. Front and hind limbs can be left free or attached to limb support poles.

FRONT LIMB POLES AND SPECIALLY DESIGNED ERGO-SURG FOOT SUPPORT



The foot support can be rotated up and down which changes the angle of the coffin, pastern, fetlock and carpal joints to the desired degree of extension or flexion. The feet are 15-20 cm away from the horizontal bar allowing 360° access around the lower leg. There is no interference between surgical instruments and the horizontal bar.



Video: <https://youtu.be/HL3aZmjviki>



The degree of carpal flexion and extension is achieved by rotating the foot support. There is no need to increase the height of the horizontal bar.



The degree of fetlock and coffin joint flexion and extension is achieved by rotating the foot support. Note: when using the shoulder pads, front limb poles and hindquarter plates can slide and be secured along the entire length of the multifunctional sidebar, improving the ergonomic access to the patient.

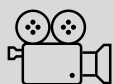
The special designed **Ergo-Surg front foot** support allows for full extension and thus dorsal (arthroscopic) access to the carpus, fetlock and coffin joints but also allows for flexion and thus palmar (arthroscopic) access to the fetlock and coffin joint. It only requires a short turn of the front foot support handle.

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LATERAL RECUMBENCY



Narrated video: <https://youtu.be/9nxIrD06a-U>



Right lateral recumbency in a 580kg horse. The limbs are free from the table and fully accessible from the level of the carpus and the hock distally. The legs can be supported on an independent or fixed leg support or can be left attached to the hoist.



The head and neck support plates can be moved to the appropriate position and side, to be able to fully support the neck and head of the horse.



The head and neck support can be placed horizontally, in flexion or extension.



The side plates from the head and neck support can be moved from right to central or left depending on a left or right lateral recumbency position and the size of the patient.



Note the position of the neck and head and the use of additional side plates to block the neck or to enlarge the surface of the table.

LEG SUPPORTS IN LATERAL RECUMBENCY



Independent leg supports.



Fixed leg supports.



TRENDELENBERG AND REVERSE TRENDELENBERG POSITIONING



Securing the tail to the rear side bar is enough to prevent the horse from sliding off the table. No additional fixations are required. The hind legs can be left free or attached to the hind limb poles or a hoist.

CUSHIONS FOR LATERAL AND DORSAL RECUMBENCY

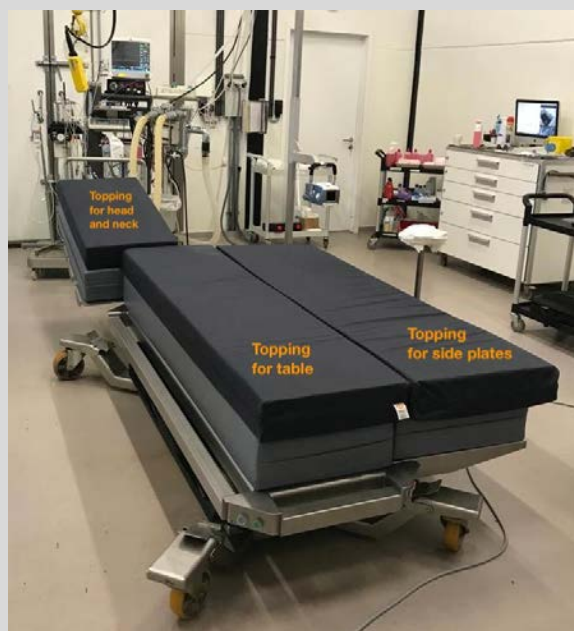
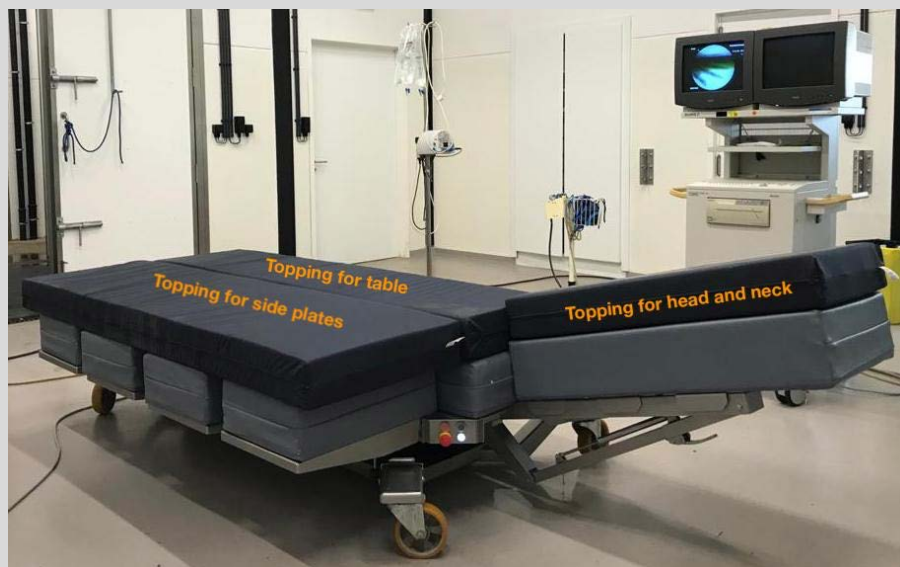


The basic set of cushions consists of 1 main table, 1 head-neck cushion and 4 side plate cushions. The cushions are 20 cm thick and consist of 3 different types of foam, with a memory foam layer at the top. The cover is strong, elastic and resistant to water, blood and disinfectants.



There are 2 smaller cushions for the hindquarter plates for large horses in dorsal recumbency. Those cushions can be used in lateral recumbency for extra neck support.

EXTRA TOPPING FOR LONG SURGERIES OR HEAVY HORSES



3 extra toppings of 14 cm thick memory foam are available for long-term procedures and/or extremely heavy horses.

ERGO SURG PRO 1-TECHNICAL SPECIFICATIONS

Dimensions

Table top including head support	297 x 700 cm
Head support of the table	53 x 90 cm (3 adaptive panels)
Table width excluding side bars	49 cm
Table width including side bars	69 cm
Side panels – table	58 x 40 cm
Side panels - head support	25 x 52 cm
Wheels	Ø16 cm
Cushion thickness	20 cm
Weight	ca.250 kg

Adjustability

Minimum height	37 cm horizontal
Maximum height	120 cm horizontal
Pelvic angle	+16° / -16°
Head support angle	+/-20°
Head support	adaptive
Head support sides	adaptive
Side panels	removable and adaptive
Control buttons	in front and back on each corner

Loading

Maximum load	1300 kg
Maximum height lifting time with 550 kg	40 sec
Maximum height lifting time without horse	30 sec

Electric equipment

Operation voltage	12 V
Battery service free lead acid cyclic application	12 V 55 Ah ,10 years
Automatic battery charger output	12 V 10A
Charger input	110 V/240 VAC/50-60 Hz
Battery charging time	10 hrs. at 7 Amp
Table can be used during charging	(charger included)

Surface coating

Interior beams AL oxide blast, double paint

External Stainless steel AISI 316 / DIN 1.4401 / BS 316 S 16

Equipment

Complete equipment as standard



ERGO-SURG PRO 1 EQUINE SURGERY TABLE STANDARD PACKAGE

- High-quality stainless-steel equine surgery table (AISI 316 surgical stainless steel)
- 2 self-locking shoulder supports (AISI 316)
- Front limb support poles with rotating ErgoSurgPro1 front feet support (AISI 316)
- Hind limb support poles (AISI 316)
- 4 side plates (AISI 316)
- 2 side plates with bar (AISI 316)
- 2 hindquarter support plates (AISI 316)
- 1 head and neck cushion
- 1 table cushion
- 4 side plates cushions
- 2 hind quarter cushions
- 2 independent leg supports (AISI 316)
- Fixed leg supports (AISI 316)

Extra:

- Cushions: Extra memory foam cushion topping
 - o 1 head and neck topping
 - o 1 table topping
 - o 1 large topping for the side plates



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Narrated videos:

Ergo Surg Pro1 Equine Surgery table dorsal and lateral recumbency long version

<https://youtu.be/QxF8RMjzMz0>

Fast positioning the horse in dorsal recumbency using the self-locking shoulder pads: <https://youtu.be/YmNkaWe3pCc>

Ergo Surg Pro 1 front foot support: extension and flexion of the joints.

<https://youtu.be/HL3aZmjviki>

