

bos-sx

ERGO-SURG PRO



INTRO

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

The Ergo-Surg Pro equine surgery table is an **exclusive table, manufactured only on request.**

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.**



Watch the video: <https://youtu.be/1Q6OJLnvNpg>



DORSAL RECUMBENCY



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

MULTIFUNCTIONAL SIDE BAR

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.





SELF-LOCKING SHOULDER SUPPORTS

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 can be attached to hoist
Hind legs can be attached to poles



Example: 6 months old foal

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 support slide along with the patient on the multi-functional sidebar.





Example: 1 week old foal

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

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.

Note: Full access to the patient. The shoulder support follows the patient.



HINDQUARTER SUPPORT PLATES

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** ac-

cess and ensure **stable positioning** of the hindquarters in 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**.





**90° to
horizontal**

*The angle of the hindquarter plates can be changed from 90° to horizontal.
Side plates can be moved according to the size of the horse.*



Hind legs can be left free when using hind quarter side plates.



FULL ACCESS TO ABDOMEN AND THORAX

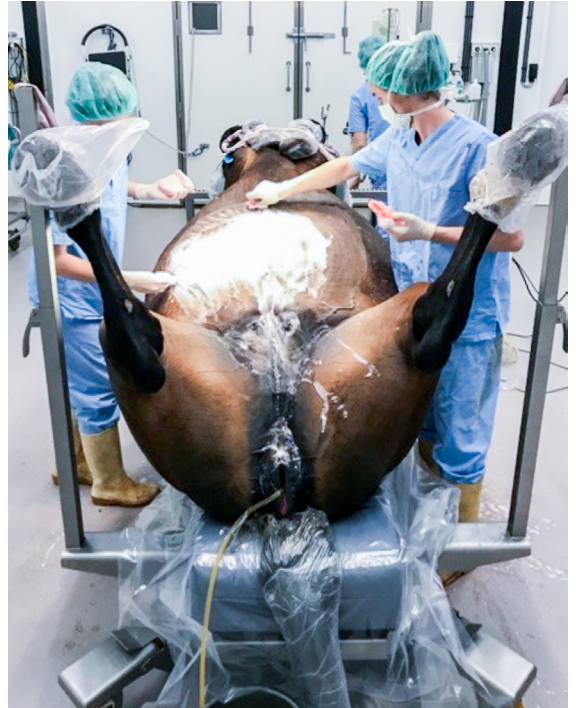
Full access to the entire **left and right side of the abdomen and thorax** in adults and foals.

Front and hind limbs can be left free or attached to limb support poles.

Example: Colic surgery in a 700kg horse

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.







HEAD STABILIZING CUSHION FOR DORSAL RECUMBENCY.

The specially designed head cushion stabilizes the horse's head, preventing it from falling to either side.

FRONT LIMB POLES AND SPECIALLY DESIGNED ERGO-SURG FOOT SUPPORT



Watch the video: <https://youtu.be/HL3aZmjviki>

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.







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.

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 carpal joint, fetlock and coffin joint. It only requires a short turn of the front foot support handle.

This specially designed foot support provides **more stable joint positioning** during surgery, at any desired angle, compared to traditional hoist fixation.



Narrated video: <https://youtu.be/9nxlrDO6a-U>

LATERAL RECUMBENCY

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: Additional side plates can be used to support or stabilize the neck if needed.

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

1 main table cushion

1 head-neck cushion

4 side plate cushions

Each cushion consist of **3 different types of foam**, with a **memory foam layer at the top**.

20 cm



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



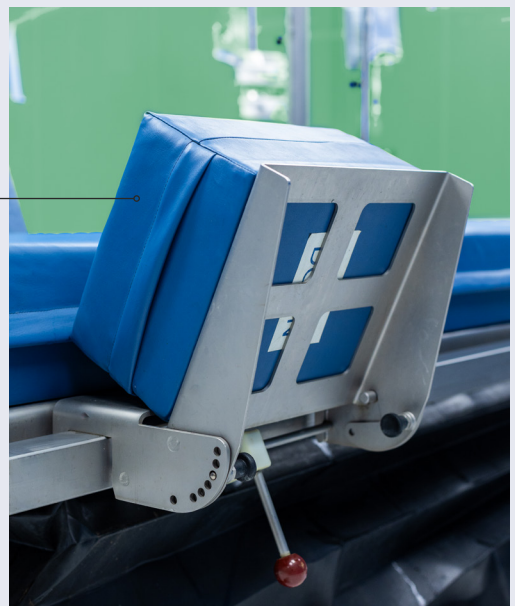
Super strong covers



Covers are resistant to water, blood & disinfectants



Elastic covers



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.



TECHNICAL SPECIFICATIONS

DIMENSIONS

Table top including head support	<i>297 x 70 cm</i>
Table width including wheels	<i>138 cm</i>
Head support of the table	<i>53 cm wide x 90 cm long (3 adaptive panels)</i>
Table width excluding side bars	<i>49 cm</i>
Table width including side bars	<i>69 cm</i>
Side panels lateral recumbency 4x	<i>58 x 40 cm</i>
Side panels - head support	<i>25 x 52 cm</i>
Wheels	<i>Ø16 cm</i>
Cushion thickness	<i>20 cm</i>
Weight	<i>ca.450 kg</i>

ADJUSTABILITY

Minimum height	<i>37 cm horizontal</i>
Maximum height	<i>123 cm horizontal</i>
Tilting angles	<i>+16° / -16°</i>
Head support angle	<i>+/-20°</i>
Head support	<i>Adaptive up and down</i>
Head support sides	<i>Adaptive from center to left or right</i>
Side panels	<i>Removable and adaptive</i>
Control buttons	<i>In front and back on each corner</i>
Front and hind limb poles	<i>Adaptive on multifunctional side bar</i>

LOADING

Maximum load	<i>1100 kg</i>
Maximum height lifting time with 550 kg	<i>30 sec (adjustable)</i>
Maximum height lifting time without horse	<i>20 sec (adjustable)</i>

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 use during charging	<i>Preferably not while charging</i>
Charger	<i>Included</i>

Surface coating

Interior beams AL oxide blast, double paint
External Stainless steel AISI 316 / DIN 1.4401 / BS 316 S 16



ERGO-SURG PRO 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)
- 2 independent leg supports (AISI 316)
- Fixed leg supports (AISI 316)

Extra: U-shaped brackets to move the table

Basic cushions:

- 1 head and neck cushion
- 1 table cushion
- 4 side plates cushions
- 2 hind quarter cushions

Extra topping cushions for heavy horses or long surgeries:

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

Dorsal recumbency:

- Head stabilizing cushion with slot for dorsal recumbency head fixation

ON DEMAND

Several accessories can be custom made on demand of the surgeon: extra poles, fixation rings or hooks, colon tray, etc.

NARRATED VIDEOS

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



<https://youtu.be/HL3aZmjviki>