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**WE MAKE  
HORSES STRONG!**



**Power for your horse!**





Oliver Sandmann  
Master Electrician, Mechanical and Industrial Engineer



## SASCOTEC Horsepower

professional consulting · competent  
realisation · reliable support

Oliver Sandmann founded his company in 2012. The spectrum of effects of his innovative treadmills, aquatrainers, vibration trainers and solariums quickly became known and has been widely accepted by professionals and horse owners since.

### „Made in Germany!“

Developed by experienced mechanical engineers and designed according to the latest technological standards Sascotec's modular product range enjoys worldwide popularity.

German steel construction with innovative welding technology, ultra-modern CNC systems and the latest digital electronics guarantee the high functionality, durability, versatility and ease of use of Sascotec products.

#### Oliver Sandmann CEO and Lead Developer

„Horses aren't concerned with marketing, which means that my customers are only really satisfied when their horses are doing well. I stake my reputation on it. Unconditionally!“

Visit our  
Showroom!



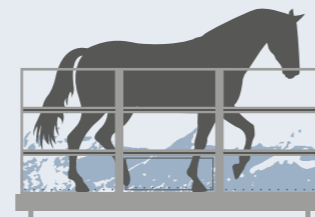
100 % Made in Germany

# The SASCOTEC Horsepower Exercise Concept

In their natural habitats, horses cover large distances daily over different types of terrain in search of food and water. This constant movement keeps their cardiovascular and musculoskeletal systems healthy. The keeping of horses in stables, open stables and in pastures today no longer offers them these opportunities. This reduced movement triggers a chain reaction of health problems that are influenced and increasingly reinforced by one another. Sascotec has set itself the task of remedying this situation through products designed according to nature's example, optimised according to the findings of science, medicine and behavioural therapy and built for reliable, long-term use! This means that all Sascotec products take into account the natural needs of horses as well as the limited space, time and economic resources found in equine management today.

„When every euro invested in human disease prevention yields a return of between 15 and 17 euros, how much more will preventive health care for horses pay off, where medical treatment is much more costly?“  
(Oliver Sandmann)

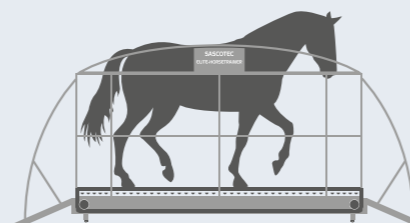
## SASCOTEC Horsepower Aquatrainer



### Advantages:

- Paced gaits with precise steps in water
- Individually adjustable treadmill speed and water depth
- High forelimb and hind limb engagement for stronger muscles and greater endurance
- Aquatraining has positive effects on the horse's vascular and lymphatic systems. It also relaxes the horse
- High water levels for weight reduction allow for rehabilitative exercise of injured horses
- The horse develops a sense of balance and awareness
- The water cools pastern and fetlock joints during exercise this keeps inflammation down
- Use of the [DYNAMIC JOINT PROTECTOR](#) is gentle on the joints

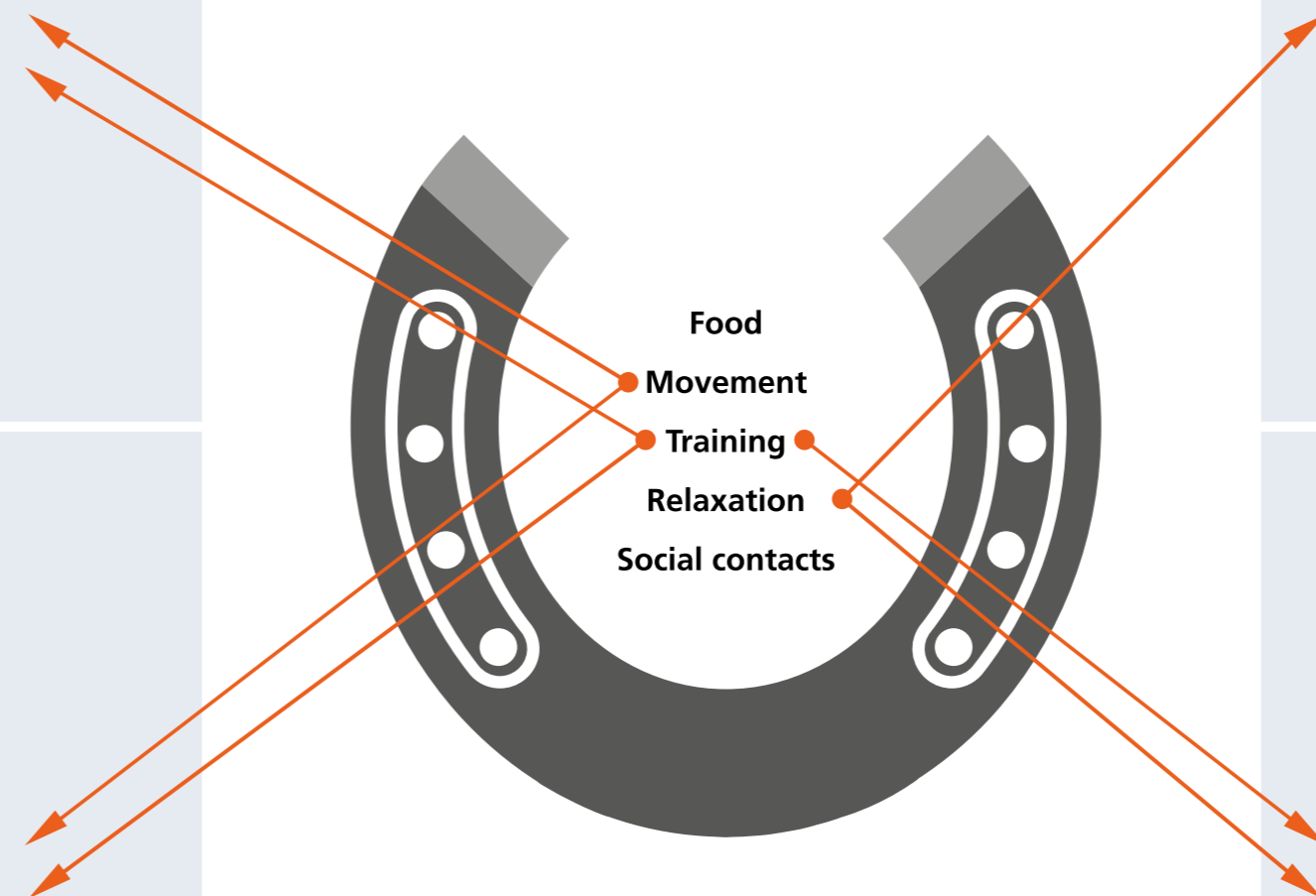
## SASCOTEC Horsepower Treadmill



### Advantages:

- Even warm-up phase
- Muscle development, improved condition and gait through evenly increasing speed
- Improved coordination through varying paces
- Development of the hindquarters through infinitely variable treadmill incline
- Exercise even in bad weather or in winter in your own barn
- Training that's easy on the joints, thanks to the innovative [DYNAMIC JOINT PROTECTOR](#)
- Brings variety to the horse's daily exercise routine

# What does my horse need to be fit and healthy?



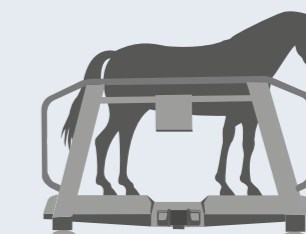
## SASCOTEC Horsepower Horse solarium



### Advantages:

- Fast drying off after exercise prevents respiratory tract infections
- 20 minutes of UV light replaces sun rays absorbed during turnout
- More vitality through the absorption of infrared rays (deep heat) dosed ultraviolet rays (provitamin D3)
- Infrared rays promote improved blood circulation in the muscles, warming of the joints, faster regeneration and relaxation of the muscles after exposure to IR rays
- Visibly increased well-being of the horse with regular use

## SASCOTEC Horsepower Horsebration



### Advantages:

- Stimulation of 95 % – 97 % of all muscle fibres in the horse's body
- Relaxation and strengthening of the musculature
- Up to 20 % increase in bone density
- Promotion of blood circulation to help
  - Faster healing of tendon injuries
  - Therapeutic treatment of acute colic symptoms or to prevent colic
  - Positive effects on osteoarthritis
  - Support treating diseases and growth disorders of the hoof



## HORSEPOWER ELITE AQUATRAINER



## SASCOTEC Horsepower

### TECHNICAL DATA

- Stepless speed up to 10 km/h (optionally up to 15 km/h)
- 4,2 x 2 m installation area by embedded, ground-level installation with ramps for installation on the stable aisle available
- Weight 3000 kg
- 100 % stainless steel

### SERIAL

- 1-hand locking system
- Wooden border included
- V-shaped body for easy cleaning
- Service hatches for cleaning and inspections





**HORSEPOWER ELITE AQUATRAINER 3 VIEWING PANELS - BLACK EDITION**



## SASCOTEC Horsepower

Advantages at a glance:

- 5x longer life through the use of stainless steel instead of painted steel
- Specially encapsulated external electric drive to prevent risk of electric shock
- Lubricant-free works with patented underwater bearings
- Optional incline technology for the treadmill
- Water systems to meet the needs of your stable, from direct filling from well, cistern, plumbing or full filtration
- Compatible with salt water
- Extra length ensures sufficient space to work
- Technical support from installation to later service
- Training on site or at the Sascotec Rehabilitation Centre
- No horse diapers required
- Buffers located at the inside front and rear
- No inside bevelled edges

**Aquatrainer in desired colour –  
Also visually appealing!**

The Sascotec Aquatrainer is available in all RAL colours. It can therefore be colour coordinated to your stable or therapy facility. All versions use stainless steel as the base material – ensuring long-term economic, rust-free use.





**HORSEPOWER ELITE AQUATRAINER INSIGHT - BLACK EDITION**



## SASCOTEC Horsepower

### AQUATRAINER A10

The Aquatrainer for horses of all sizes

100 % stainless steel for 100 % durability. The Sascotec Aquatrainer is an ideal exercise machine for rehabilitation centres and larger studs as well as ambitious private horse stables. At over 4 meters, Sascotec Aquatrainer are the longest on the market. This allows horses to train freely.

### FEATURES

- 100 % stainless steel, quality and low maintenance pump systems
- Secured external control with drive system
- One-hand closing system
- Wooden railing for comfortable handling
- Doors at both ends



# Hightech for your horse!

Trust in the special technology of Sascotec Aquatrainers. The motor and control unit are safely encapsulated outside the water-filled parts of the unit – a big plus for safe operation and easy maintenance. The patented slide bearing technology of the drive and guide rollers had its origins in the aerospace industry: no lubricating oil in water! The complete stainless steel construction is extremely durable, low-maintenance and rust-free as well as antiseptic and easy to maintain.

The SASCOTEC Aquatrainer: a hit both therapeutically and economically!



One-hand locking system



Wooden handrails



SPA-nozzles optional



External electric drive with automatic lubrication system for dry-running applications



Service hatches for cleaning and inspections



Control panel 12" Display

# WATER MANAGEMENT for the SASCOTEC-Aquatrainers

Water is pumped into the Aquatrainer from an external tank. Rainwater and/or well water can also be used which, in contrast to the use of tap water, can lead to significant savings. The Sascotec Technology also allows the use of water from rivers, lakes, or rain-water collection tanks. The use of no chemical additives means that the water can be returned to nature as irrigation or seepage water and thus not wasted.

Subsequent expansion and additions to the system are possible at any time. You might first start with an affordable manure filter and eventually expand your system to include full water treatment if desired.

## Advantages:

- No chemicals in daily use
- low acquisition costs
- Cost-effective water management
- Mechanically robust construction

Ideal for businesses with their own wells!



Kaki-Filter with Kaki-Box for Systems 1 and 2

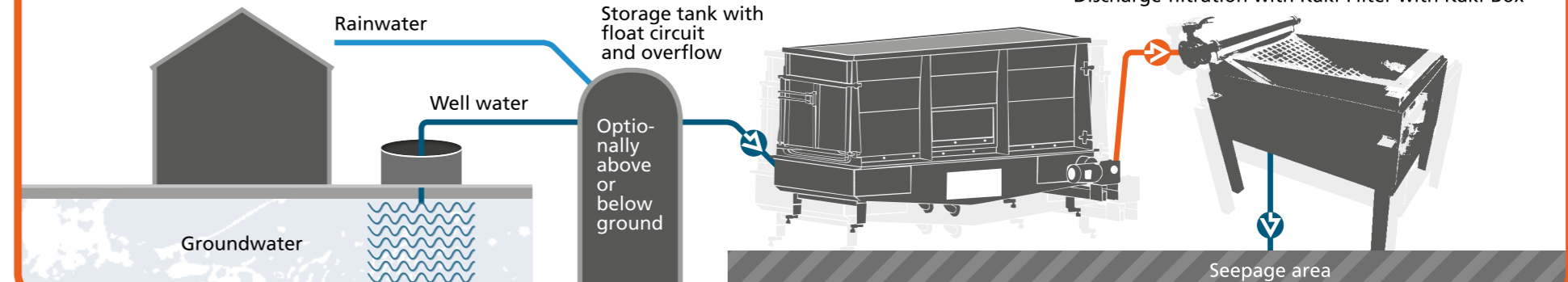


Kaki-Filter for System 3

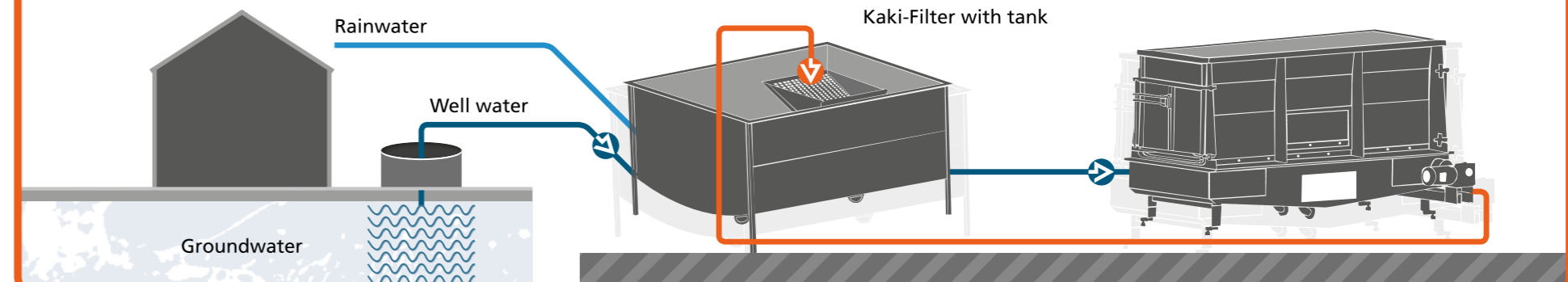
### Water System 1 – Direct filling from well, river or lake for aquatrainers



### Water System 2 – Direct Filling from storage tank



### Water System 3 – Direct filling from hopper tank



## Water system 4 Full filtration

For regions where water is scarce, Sascotec offers a full filtration system. The dirty water is pumped from the Aquatrainer through a high-performance pump into a self-developed multi-layer filter. The multi-layer filter has several filtration stages which separates horse manure, sand and other impurities from the water without leaving any residue. The multi-layer filter has a very robust, light-weight design and is easy to clean. The filtered water is fed into a cyclone, swirled and enriched with oxygen, and finally all germs are killed off by a UV sterilisation process. Sascotec offers optional cooling systems to reduce the water temperature to 4°C, offering therapeutic as well as bacterial benefits.

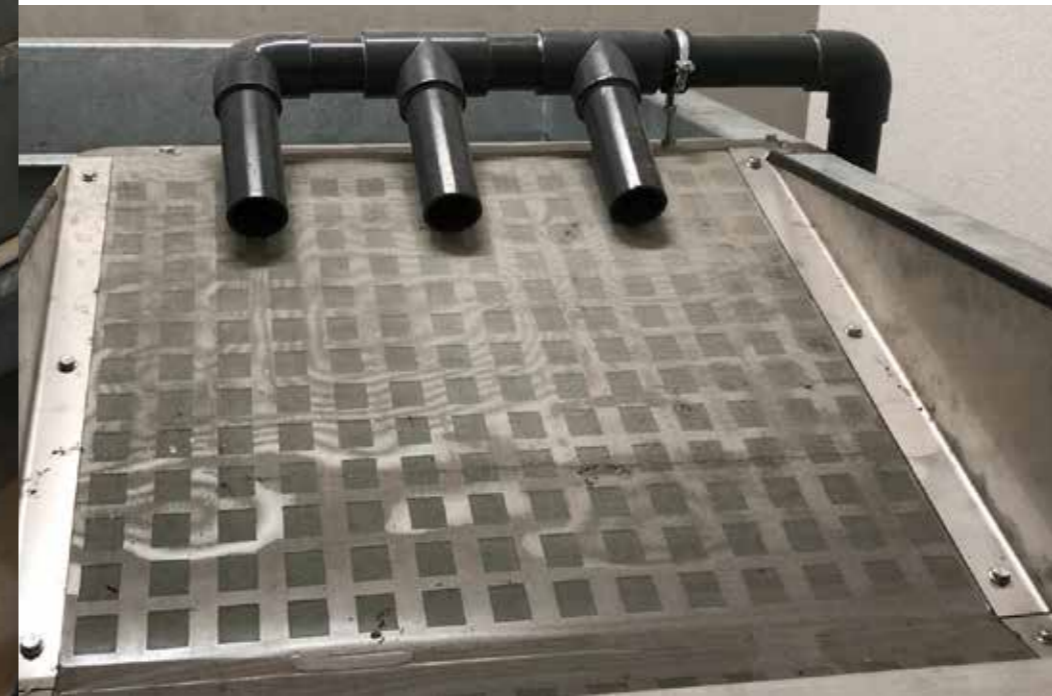
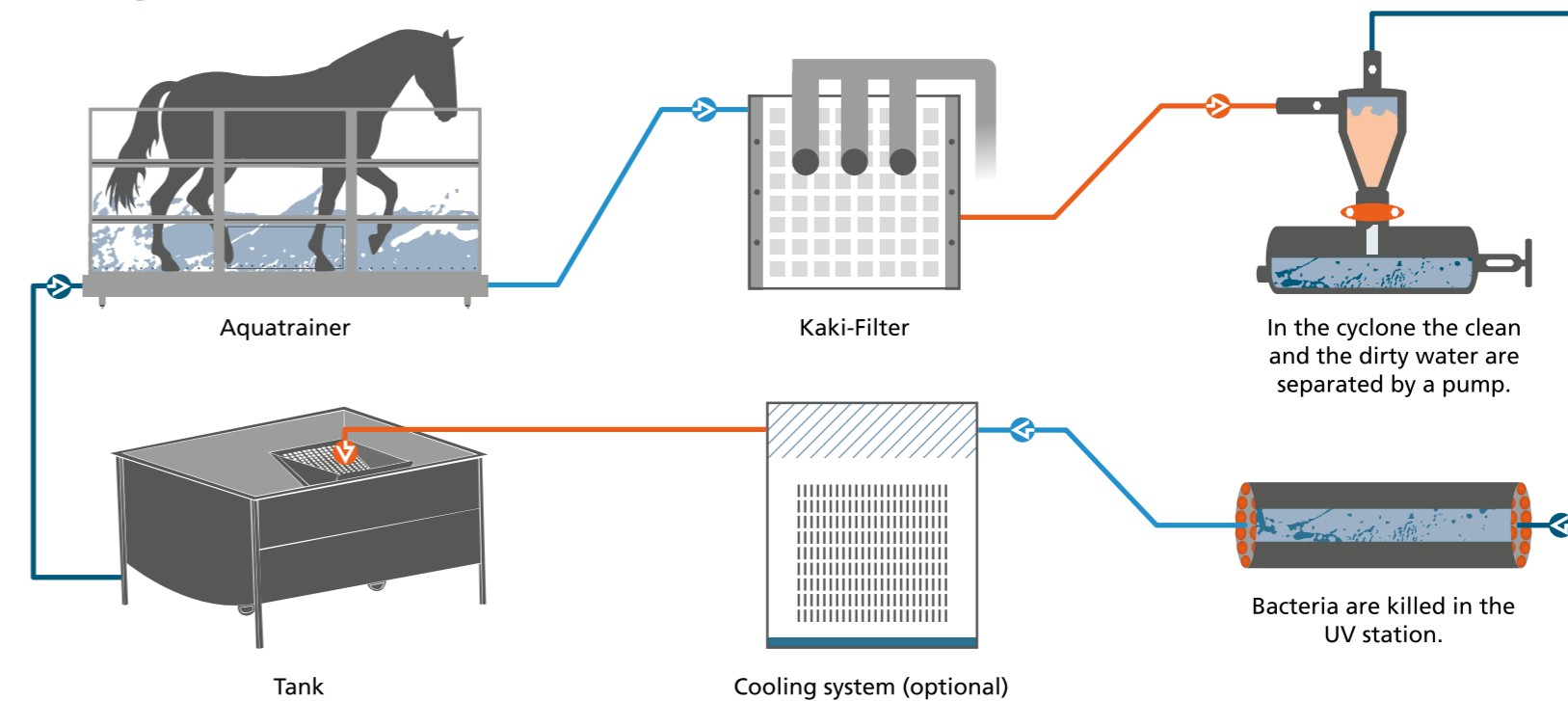
### Advantages:

- Very robust system
- No chemicals in daily use
- Water-saving system

Ideal for sites without wells and in areas with scarcity of water!



### Water System 4



## Interview with Manfred Müller, Bonau

Interview with Manfred Müller (Bonau, Switzerland), former member of Switzerland's national show jumping team, today operator of the Aquatherapy Centre Bonau with the Sascotec Aquatrainer.

**Sascotec:** „What is your experience with our Aquatrainer and how did you become aware of us?“

**Herr Müller:** „In my case, the machines run for 12 to 13 hours on day without interruption, so they are already subjected to high stress. After my previous aquatrainer had engine damage and became expensive to repair, I began to look around at trade fairs and exhibitions and learnt about Sascotec. Its impressive design with an external motor and robust materials finally convinced me to buy it. Consulting, installation and instruction, maintenance and service – everything has been fine. The machine does what it's supposed to: it works!“

**Sascotec:** „Thank you for allowing us this interview. We look forward to continued partnership and wish you lots of success in your work.“



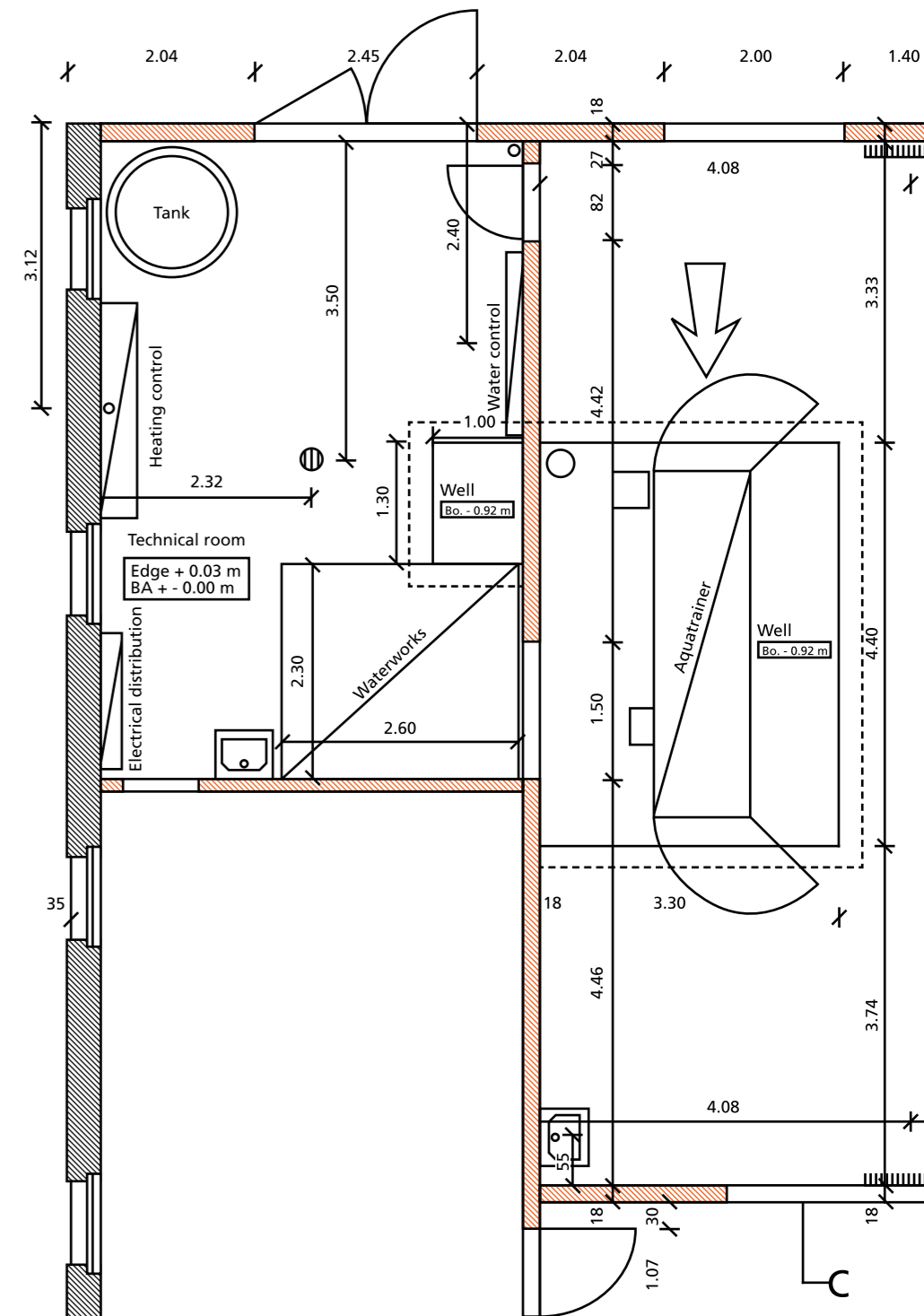
## Aquatherapy Centre Bonau

Manfred Müller, a long-term Sascotec customer and passionate horse person, runs the "Aquatherapy Center Bonau" - which was built according to his practical specifications. In his eyes, the following conditions should be met optimum aqua training:

- Sufficient space (depending on requirements)
- Separate technical room for noise reduction
- An elevated operator position for a calming effect on the horses
- In-ground construction for stress-free entry
- 2 doors with the one-hand closing system
- Easy cleaning necessary for hygienic operation (Water and manure filter technology, edge-free V-shaped tub)

### Installation Requirements:

- Minimum area 9 m long, 4 m wide and 3 m high
- High power supply 400 V / 32 A
- Water drain DN 100
- Water connection of 1" recommended
- Frost-free area





Horse Treadmill ELITE X10



## SASCOTEC Horsepower

### THE EXTRA LONG HORSE TREADMILL!

The Sascotec horse treadmills are an enhancement to every livery yard, rehabilitation centre or private stable. Our horse treadmills have extra stability and robustness and are designed for long service life.

### Advantages at a glance:

- Made in Germany: Technically sophisticated, high-quality machines
- Unique construction made of galvanised steel for increased stability and safety (no bevelled edges on floor) and 15 % less wear and tear on the machine
- Extensive Sascosafe security system
- Sascotec's Dynamic Joint Protector treadmill floor reduces stress on joints up to 30 %
- Consulting, installation and maintenance service by the Sascotec Team

### ELITE X10

For the entry into treadmill training in commercial and private stables. The Elite X10 is Sascotec's walking treadmill. This device allows for the controlled exercise of your horse, whether for rehabilitation after injury or an addition in normal everyday training. With various available extras such as an integrated scale or a coin-system to make routine work easier.

### TECHNICAL DATA

- Stepless speed control up to 10 km/h
- 7 x 1,6 m space requirement (2 ramps)
- Weight 1600 kg
- 100 % galvanised stainless steel



### ADDITIONAL EQUIPMENT



Control Panel 12" Display



Horse Treadmill X25 AND X45



## SASCOTEC Horsepower

### ELITE X25

For advanced treadmill training in commercial and private stables

The Elite X 25 is Sascotec's trotting treadmill. This sturdy horse treadmill is the ideal partner for strength and endurance training, even at trot. Optionally available control panels with training and analysis programs allow for optimally adapted training concepts for your horse.

### TECHNICAL DATA

- Stepless speed up to 25 km/h
- 7 x 1,6 m space requirement (2 ramps)
- Weight 1700 kg

### ELITE X45

The longest horse treadmill for maximum safety

The Turbo X45 is the fastest horse treadmill from Sascotec and is designed for canter training. The inwardly shaped railing ensures that the horse stays on track with constant treadmill width whilst training.

### TECHNICAL DATA

- Stepless speed up to 45 km/h
- 7 x 2,6 m space requirement (2 ramps)
- Weight 2000 kg
- 100 % fully galvanized (also available in stainless steel)

### ELITE X55 ON SPECIAL REQUEST

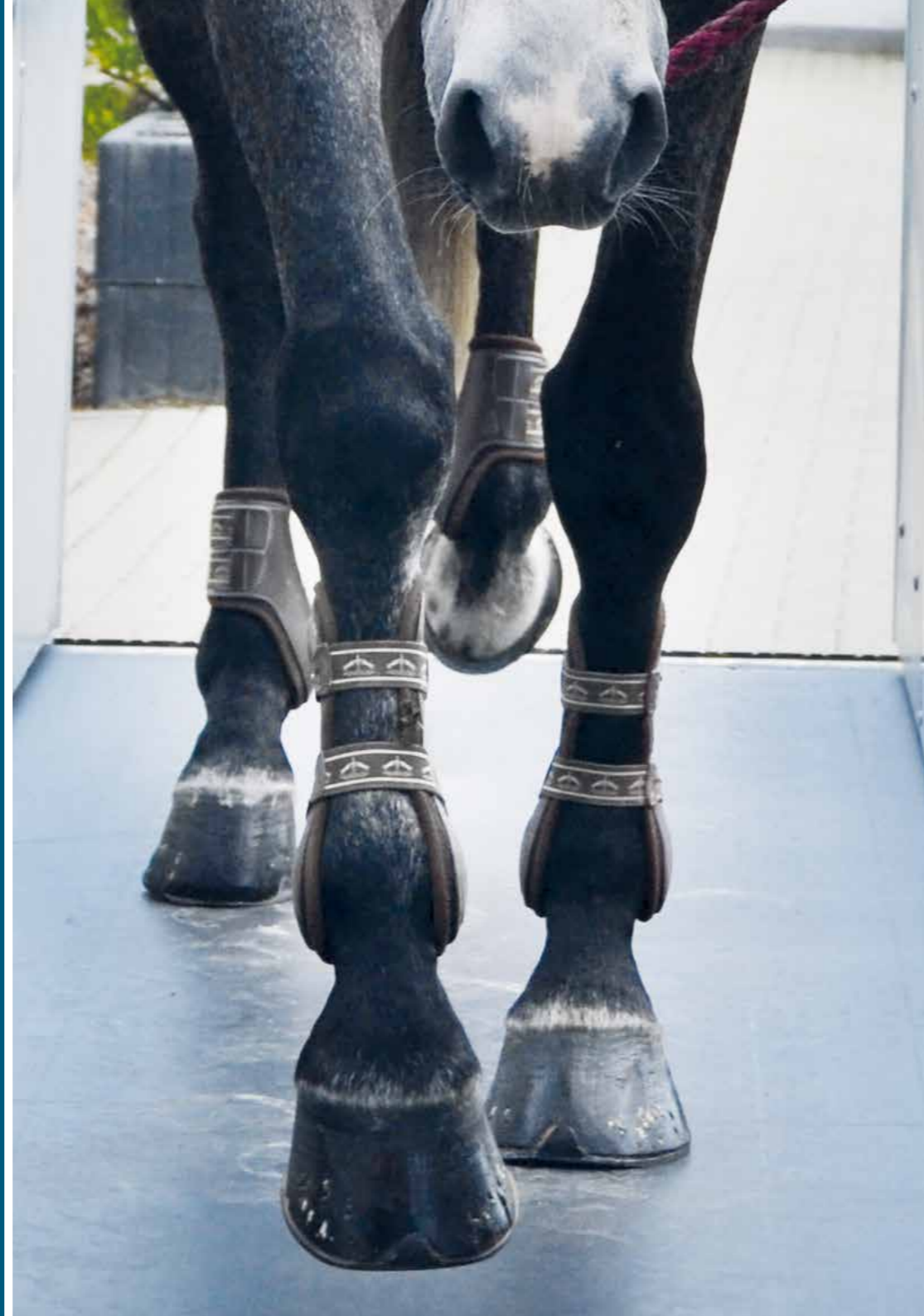


# Sascosafe

Sascotec treadmills are designed for maximum safety with optimum functionality. We intentionally omitted bevelled edges on the side walls to provide the horse with an ideal track and minimise the risk of injury. The gap between the belt and the outer wall is small and won't catch hooves. Bevelled edges on side walls present a risk of injury by missteps, especially when the treadmill is used for rehabilitation therapy.

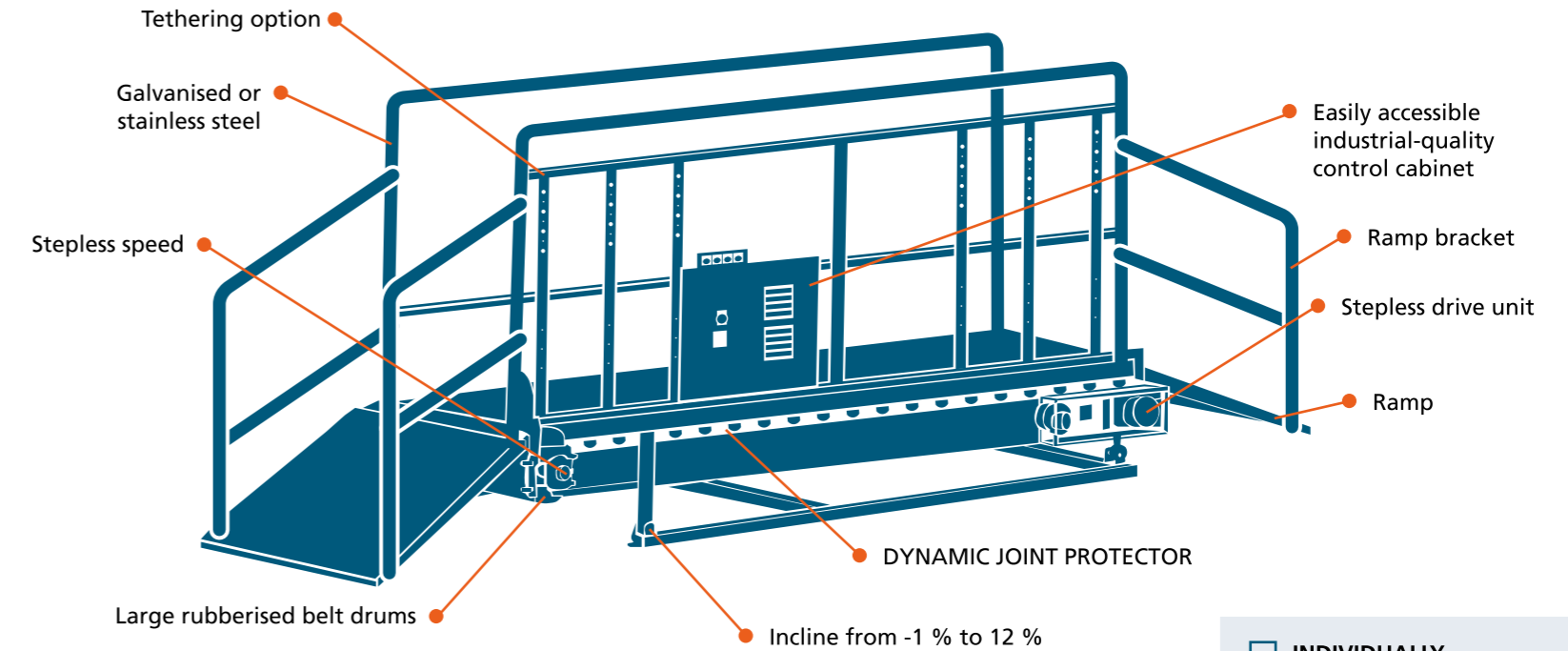
## Sascosafe Safety-System Standard on all treadmills:

- Electric emergency stop for manual operation
- Overload protection
- Panic fasteners at the back and the front
- Retraction protection at the belt
- Barrier free movement area
- Photoelectric sensor option
- Automatic start-up and safety system



# OUR VISION: THE SAFEST HORSE TREADMILL IN THE WORLD!

Fig. may differ from current design



► Each treadmill can be customised according to your individual needs!



Drive unit

- INDIVIDUALLY EXPANDIBLE
- Touch panel program
- Stainless Steel
- Trotting Function up to 25 km/h
- Canter speeds up to 45 km/h

# DYNAMIC JOINT PROTECTOR (Forest Floor-Effekt)

## UNIQUE, JOINT PROTECTING SURFACE

Scientific studies (e.g. Dahlkamp, Dissertation WS03) show that hard decks like the ones used in many horse treadmills cause impact effects similar to those from running on asphalt. This additional load on the joints must be avoided.

Sascotec's innovative technology therefore relies on decks with dynamic impact absorption to produce what we call the JOINT PROTECTOR EFFECT. This innovative and robust deck construction brings noticeable relief to the joints – optimum conditions for treadmill exercise!

## Unique at SASCOTEC Horsepower!

More safety on the treadmill: Barrier-free movement area  
No bevelled edges!

**DYNAMIC JOINT PROTECTOR**



## WOULD YOU RIDE IN AN ASPHALT RIDING AREA?

What makes Sascotec treadmills different from conventional treadmills

### DYNAMIC JOINT PROTECTOR

This unique deck with step-absorbing technology is used in Sascotec horse treadmills and aquatrainers.

### Oscillating element advantages:

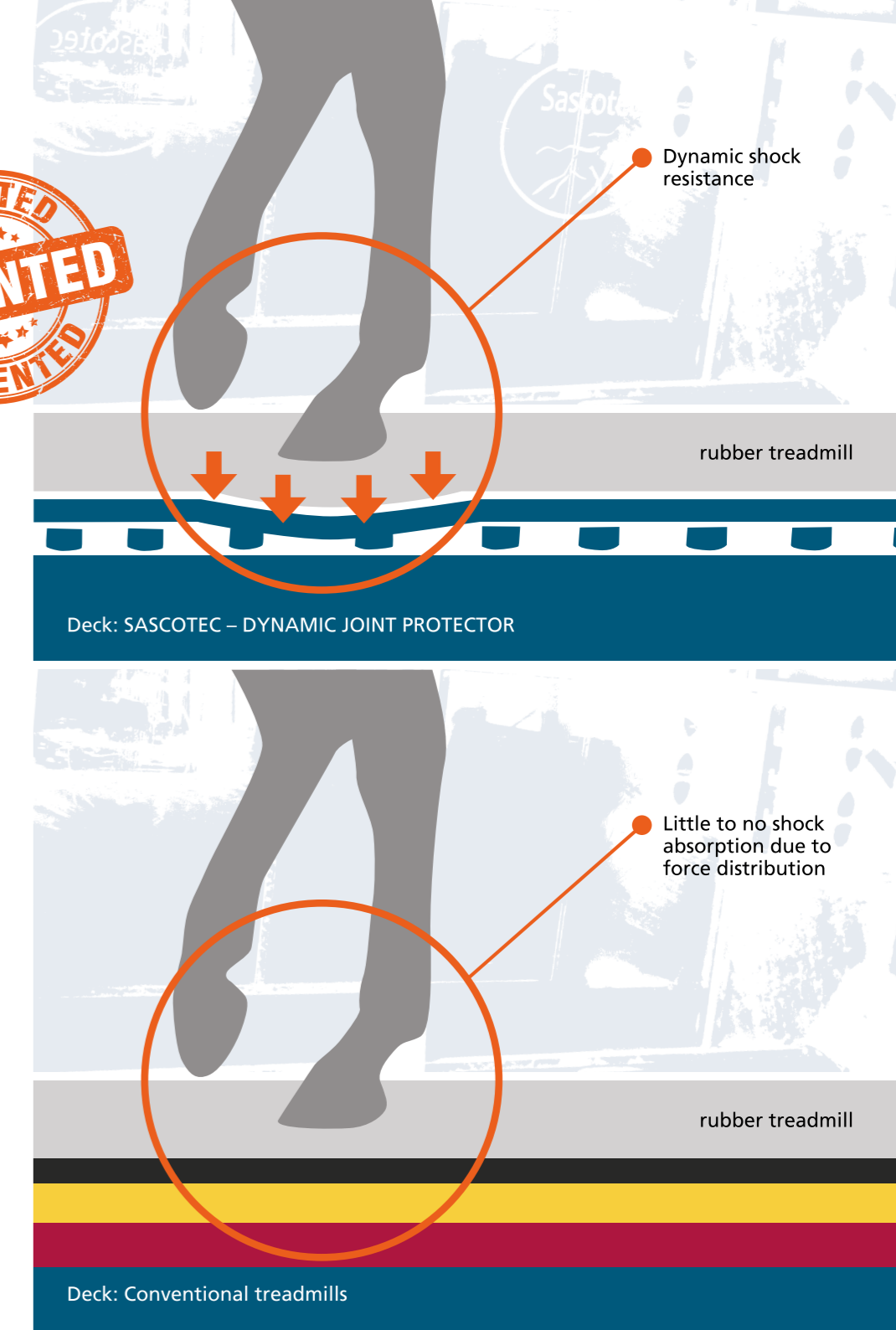
- Precise calculation of dynamic load and force absorption
- Less stress on joints and tendons
- Impact absorption for 3x longer life of belt
- Visible shock absorption
- Punctual (not expansive) suspension of shock impacts from the horse
- easy system maintenance and repair
- No bevelled edges

### Conventional treadmills

Conventional shock absorbing technology of the deck floor over sandwich-type construction

### Disadvantages:

- Sandwich-type elements wear quickly and then lose their shock absorption
- The horse's push-off must be absorbed over a large area
- No visible shock absorption
- Complex construction makes maintenance difficult
- Bevelled edges often necessary in the movement area which can cause failing steps and injuries





Horse Solarium FASTDRY



## THE SASCOTEC HORSE-POWER HORSE SOLARIUM

Sascotec solariums are inspired by the power of the sun and the energy it provides. It is well known that UV radiation brings positive health effects. Sunlight regenerates the skin, stimulates metabolism, counteracts muscle tension and lightens depression. Sascotec horse solariums are specially developed for the special needs of horses. The success of the daily sessions depends on the choice of the right light source for the solarium. Both infrared rays and ultraviolet rays are used to simulate natural sunlight. The infrared rays do not require a medium to transmit their energy. The radiation penetrates directly into the deep muscles of the horse. Solariums are essential for horses kept indoors.

## SASCOTEC TURBODRY

A dry horse in minutes

Sascotec's unique fan arrangement dries horses 3x faster than without adjustable fans. The open construction of Sascotec solariums is also unique: Condensation-filled air is transported upwards or sideways so that the horse doesn't stand in its own cloud of steam. This allows fresh air in to wick sweat off the horse and transport it away.



## VITA D-TECHNOLOGY

The Sascotec horse solarium is the ideal addition to the rest of the Sascotec product portfolio. Exercise and training are not the only way to keep horses fit and healthy. Relaxation phases are also important to keep horses healthy in the long term.

### Advantages at a glance:

- Stability and durability combined with low weight thanks to the aluminum body
- Made in Germany: 5-year guarantee
- Quick drying of horses thanks to the Turbodyry system
- 20 % more vitality thanks to Vita D technology
- Advice and installation service from the Sascotec team



**FASTDRY**

## THE SASCOTEC Horse Solarium

### FASTDRY

The new professional solarium with anatomical design.

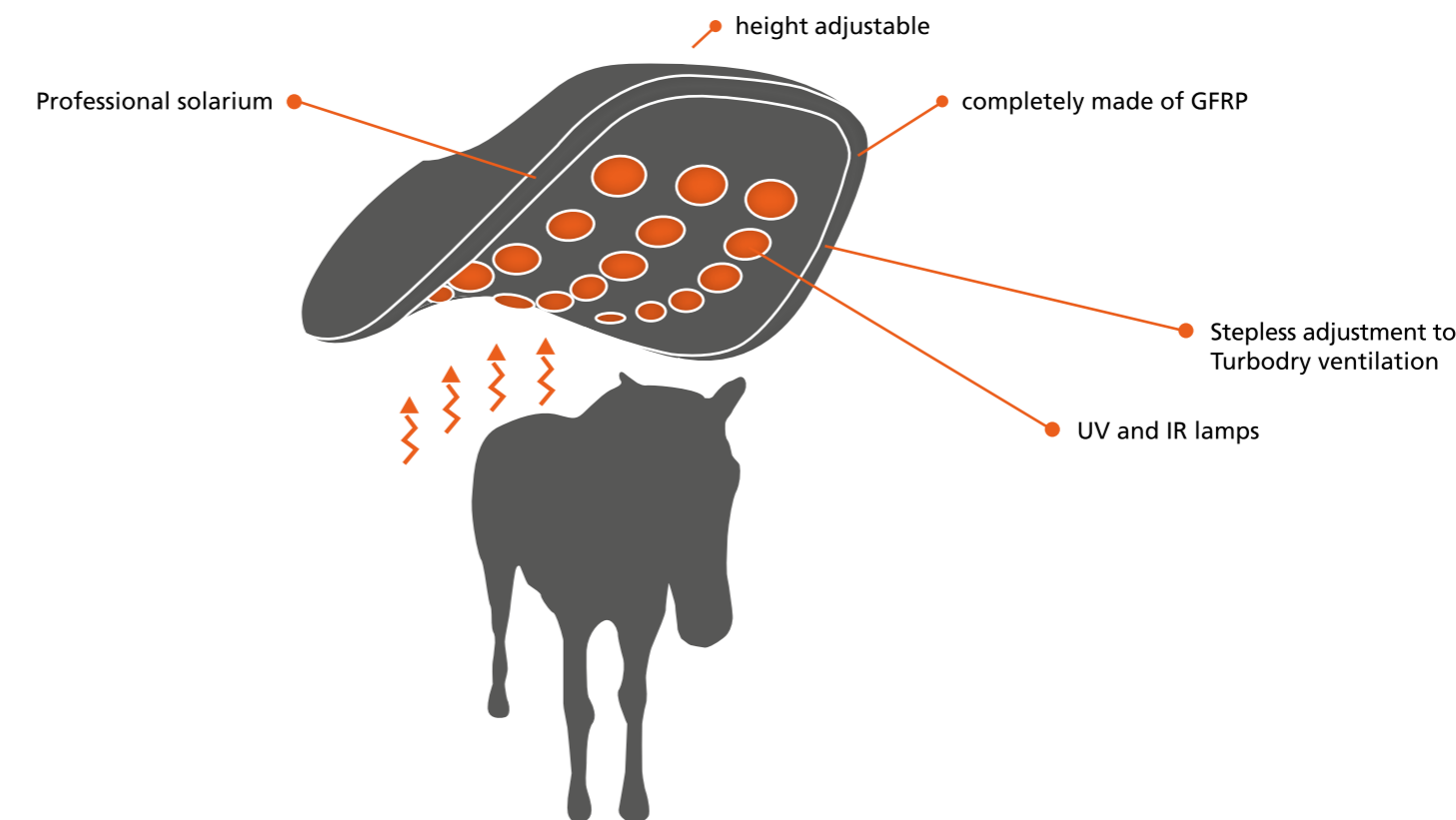
#### Technical data

- 5250 W (21x250 W)
- 760 m<sup>3</sup>/h air capacity (Turbodyry)
- 180 x 120 x 60 cm dimensions
- Weight 60 kg

#### Features

- 100 % GFRP
- Incl. 2 lifts with incline adjustment
- Incl. external control unit

## TECHNICAL DETAILS – HORSE SOLARIUM FASTDRY



- BASIC MODEL
- OPTIONS
- Add-on elements
- Coin system
- Tying Stand

- **Anatomical shape:** The Fastdry is precisely adapted to the shape of the horse's back. This means that scatter losses of warm air to the sides are almost completely eliminated.
- The solarium can be lowered at the front and back. The horse can reach the back area without risk of bumping its head.
- Powerful fans ensure rapid removal of damp.
- The minimum distance of 60 cm from the horse must not be exceeded!



Horsebration



## SASCOTEC HORSEPOWER HORSEBRATION

The vibration technology combines a training and relaxation function in one machine. Small vibrations loosen the muscles and also stimulate them to strengthen. The vibrations promote blood circulation, increase bone density and strengthen the postural muscles, especially in the horse's back.

Sascotec's Horsebration vibration plate moves up and down to simulate a running movement for the horse, activating small muscle contractions and stretch reflexes. This increases muscle performance, especially in the deep muscles.

### Advantages at a glance:

- Unique side construction increases stability and security
- Made in Germany: Sophisticated, high-quality technology
- Consulting and installation services from the Sascotec Team



## VIBRATION – RELAXATION, ACTIVATION AND REGENERATION

The Sascotec vibration plate stimulates the horse's deep muscles and promotes blood circulation, regeneration and relaxation after training. Studies have proven the effect of micro-vibration in muscle building and in accelerating healing after injuries.

### Advantages at a glance:

- Vertical vibration (up and down movement)
- Steplessly adjustable intensity between 0-50 Hz



**HORSEBRATION - BLACK EDITION**

## The SASCOTEC Horsebration

### HORSEBRATION

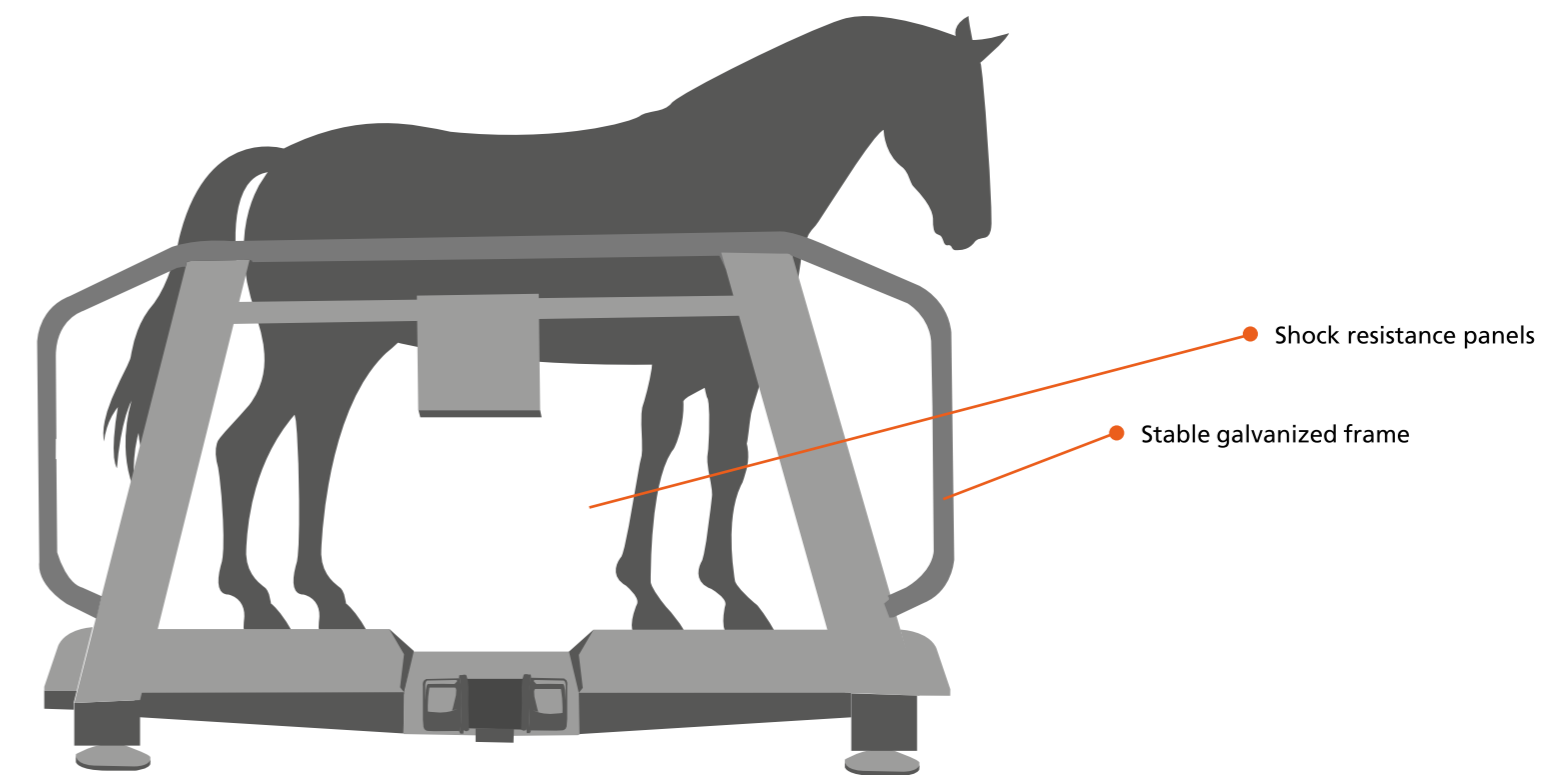
#### Technical Data

- 250 x 130 cm dimensions
- Weight 600 kg
- Power Supply: 230 V / 16 A

#### Features

- Coating in DB 703
- Coin Counter

## TECHNICAL DETAILS – HORSEBRATION



The frequencies of the Horsebration unit range up to 50 Hertz and can be individually adjusted for different vibration training effects.

- ▶ At a high frequency, the body reacts to the rapid rocking movements with rhythmic muscle contractions. This leads to an increase in muscle tonus and an increase in muscle performance.
- ▶ Medium frequencies relax the muscles, improve coordination and contribute to a gentle stretching of the muscles and ligaments.
- ▶ Low frequencies improve depth sensitivity and balance and also help to relax the muscles.

## REFERENCES

**Manfred Schäfer**, Germany  
Former Chairman of the Board, Hannoveraner Verband

**Dr. Frederic Bünger**, Germany  
Veterinary Surgeon and Dressage Horse Breeder

**Heinrich Hermann Engemann**, Germany  
National Show-Jumping Co-Trainer, National  
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**Dr. Michael Tochtermann**, Germany  
Equine Facilitated Coaching

**Paul Schmid**, Germany  
Dressage and Training Stables,  
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**Malte Weichsler**, Germany  
Advanced-Level Show-Jumping Rider

**Philipp Graf Stauffenberg**, Germany  
Stauffenberg Bloodstock

**Renate Mandl**, Austria  
Islandpferdehof

**Alexa Delahaye**, France  
Director of ESKANE – Equine Rehabilitation center



Dr. Frederic Bünger



Michael Jung

**Birgit Schneider**, Germany  
Gut Römerhof

**Michael Jung**, Germany  
Multiple German Champion, European Champion,  
World Champion and Olympic Gold Medallist, „Reitmeister“

**Heinrich Schmitz**, Germany  
American Painthorses

**Wolfgang Scharfschwert**, Germany  
Friesenzucht Scharfschwert

**Manfred Müller**, Switzerland  
Equine Aquatherapy Centre Bonau

**Helal Al Alawi**, Dubai  
Abu Dhabi Racehorse Trainer

**Folke Rohrsen**, Ireland  
Pair Driving Team

**Nicole und Achim Kohnle**, Germany  
Talhof Stables

**Rashid**, Oman  
Racehorse Breeder

**Sean Brennan**, USA  
Private Stable Owner

**Baruch Zimmer**, Israel  
Private Stable Owner



Manfred Schäfer



Heinrich Hermann Engemann

# REFERENCES

**Dr. Julian Scheld**, Germany  
Member of the Eventing Team

**Dr. Stefanie Engbers**, Germany  
Owner of Pferde Zahnpraxis Ems, Icelandic Horse Breeder

**Hendrik Schäfer**, Germany  
Successful Show-Jumper and Breeder

**Dr. Michael Tochtermann**, Germany  
Owner of Therapy Horses

**Martin Schemuth**, Germany  
European Champion Working Cowhorse,  
Health Center for Horses in Neuruppin

**Petra Brammen**, Germany  
Owner of Klitzenhof

**Tabea Hölscher**, Germany  
Member of the Eventing Team

**Stefano Meattini**, Italy  
Training Centre for Horse Racing,  
Dressage, Doma Classica, Working Equitation

**Centre Équestre Les Neyex Sàrl**, Switzerland

„We can heartily recommend the Aquatrainer. Vets and equine therapists often call the machine a secret weapon or a last chance. We've been able to help many horses with a wide range of needs.“

**Atila Bursalioglu**, Germany, Owner of ART Reitsport



Dr. Stefanie Engbers



Centre Équestre Les Neyex Sàrl



Tabea Hölscher



ART Reitsport Pfeffenhausen



Hof Ottmann



Martin Schemuth



Available in the UK from Jelka Limited

## Sascotec

We look forward to hearing from you!

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