


SEQUENCE TRAINING EQUIPMENT
GENIUS ECO®



FREI
medical

GENIUS ECO®



- Medical device class I 
- Made in Germany
- Compatible with software-based test and training system FREI GUIDE
- Easy operation
- Biomechanical adapted workout
- Safe and controlled movements
- Hydraulic weight plate damping
- Classic timeless design
- Line comprises 21 devices

GENIUS ECO®

MEDICAL TRAINING DEVICES



ABDOMINAL TRAINER
Available as a combination device



BACK TRAINER
Available as a combination device



CHEST PRESS



ROWING MACHINE



COMBI PULL DOWN /DIP



SHOULDER PRESS



KNEE FLEXOR
Available as a combination device



KNEE EXTENSOR
Available as a combination device



POSTURE STABILISER
Available as a combination device



BUTTERFLY
Available as a combination device



VERTICAL TRACTION MACHINE



UNIVERSAL TRACTION MACHINE



ABDUCTION TRAINER



LATERAL TRAINER



LEG TRAINER



LEG TRAINER PLUS



HIP MACHINE



TORSO ROTATOR



CVS-TRAINER



MULTIPRESS



FUNCTIONAL TRAININGSCENTER

GENIUS ECO® LEG TRAINER

lying / sitting - 180 kg / 235 kg



reddot design award winner



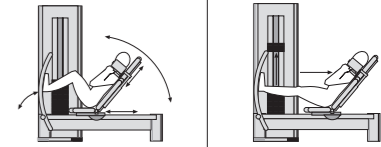
Our best example for the successful combination of design and functionality: the LEG TRAINER. Comfortable training for all age groups thanks to the narrow guiding element and the settings from the training position.

FEATURES

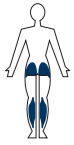
- The linear guide, which is fully enclosed, runs on ball bearings which makes it quiet and smooth running
- Ideal entry thanks to the narrow linear guide and the handle on the tower
- Seat height of approximately 50 cm
- Settings possible from the training position
- Individual shoulder support adjustment
- Smallest weight increments
- 3x adjustable foot plate
- Curved footplate, ensures optimal power flow from foot to lower leg
- Adjustable backrest

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Pivot slot set (2 pieces) for mounting on the foot plate
- Pivot top mounted on foot plate
- Movement limiter
- Lordosis pad
- Position aid prevents the feet from sliding on the foot plate
- Therapy aid to stabilise the legs during training, for patients with leg paralysis or limited leg functionality
- Calf trainer
- Accessory stand
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Quadriceps femoris muscle



Gluteus muscles
Calf muscle

WEIGHT SET 180 KG

5 - 180 kg in 5 kg increments

DIMENSIONS

Height: 185 cm
Length: 225 cm
Depth: 95 cm
Weight: 510 kg

WEIGHT SET 235 KG

2,5 - 5 kg = 2,5 kg increments
5 - 30 kg = 5 kg increments
30 - 235 kg = 10 kg increments

DIMENSIONS

Height: 205 cm
Length: 260 cm
Depth: 95 cm
Weight: 565 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® LEG TRAINER plus

lying / sitting - 150 kg



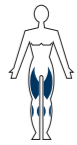
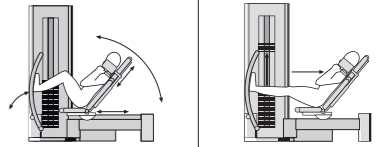
The LEG TRAINER is available in two versions: with a continuous narrow guide or alternatively as "LEG TRAINER plus" with interrupted guide and easy access.

FEATURES

- The linear guide, which is fully enclosed, runs on ball bearings which makes it quiet and smooth running
- Ideal access due to thanks to the narrow linear guide and grab handle on the tower
- Optimum seat height of approximately 55 cm for orthopaedic patients
- Setting possible from the training position
- Individual shoulder support adjustment
- Smallest weight increments
- Adjustment mechanisms are ergonomically arranged
- Curved footplate, ensures optimal power flow from foot to lower leg
- Adjustable backrest

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Pivot slot set (2 pieces) for mounting on the foot plate
- Pivot top for mounting on foot plate
- Movement limiter
- Lordosis pad
- Position aid prevents the feet from sliding on the foot plate
- Therapy aid to stabilise the legs during training, for patients with leg paralysis or limited leg functionality
- Calf trainer
- Accessory stand
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Quadriceps femoris muscle



Gluteus muscles
Calf muscles

WEIGHT SET 150 KG

2,5 - 30 kg = 2,5 kg increments
30 - 150 kg = 5 kg increments

DIMENSIONS

Height: 185 cm
Length: 225 cm
Depth: 95 cm
Weight: 490 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® KNEE EXTENSOR

also available as combination device



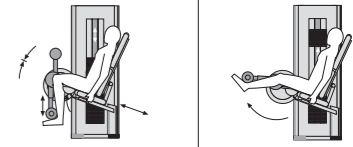
FREI medical designed the KNEE EXTENSOR according to the physiological force curve: the eccentric unit distributes the weight according to natural human performance.

FEATURES

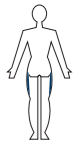
- Physiological force curve
- Ergonomic pivot point adjustment
- Movement limiter
- The initial position of the movement arm is easy to adjust using the ingenious blade-in-blade system – a FREI medical invention. Advantage: training automatically begins in the right position along the physiological force curve
- The backrest angle and horizontal position are adjustable
- Support pad for training with proper axial alignment
- Leg roll adjustable
- Weights adjustable from the training position

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Lordosis pad
- Hand crank adjustment of the leg roll – recommended for comfortable operation
- Automatic adjustment of the seat backrest in combination with FREI GUIDE analysis and training system
- Footrest pendulum for exercises in the closed chain
- FREI GUIDE analysis and training system
- Also available as medical device class Im **CE** 0123, measuring technology included



Straight, interior middle thigh muscle



Exterior thigh muscle

WEIGHT SET

70 kg
2,5 - 30 kg = 2,5 kg increments
30 - 70 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 180 cm
Depth: 103 cm
Weight: 300 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I **CE**

Changes reserved - proprietary design

GENIUS ECO® KNEE FLEXOR

also available as combination device



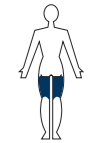
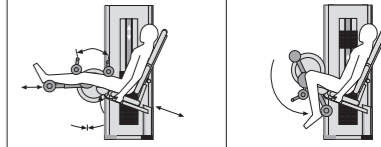
The KNEE FLEXOR - for effective training of the leg flexion musculature, overstraining the ligaments in the knee should be avoided. FREI medical provides this with the individually adjustable pressure roller. It can be used to secure the thighs or lower legs according to preference.

FEATURES

- Physiological force curve
- Ergonomic pivot point adjustment
- Movement limiter
- The initial position of the movement arm is easy to adjust using the ingenious blade-in-blade system – a FREI medical invention. Advantage: training automatically begins in the right position along the physiological force curve
- Pressure roller to secure the thighs or lower legs according to preference
- Leg roll adjustable to movement arm
- The backrest angle and horizontal position are adjustable
- Support pad for training with proper axial alignment
- Weights adjustable from the training position

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Lordosis pad
- Hand crank adjustment of the leg roll – recommended for comfortable operation
- Movement limiter
- Automatic adjustment of the seat backrest in combination with FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Hamstring muscles

WEIGHT SET

70 kg
2,5 - 30 kg = 2,5 kg increments
30 - 70 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 162 cm
Depth: 103 cm
Weight: 302 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® ABDUCTION TRAINER



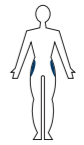
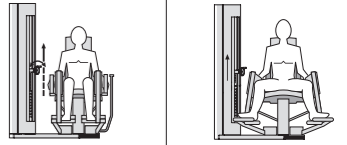
The ABDUCTION TRAINER has a patented asymmetric torque alignment and a horizontal adjustment of the knee padding to enable physiologically right training of the hip musculature.

FEATURES

- Asymmetric torque adjustment – a FREI medical invention
- Weights adjustable from the training position
- Via the asymmetrical rod the knee pads can be adjusted horizontally – a FREI medical invention
- Physiological force curve
- Angle-adjustable head and backrest
- Easy to get in and out thanks to the training arms which open wide
- The initial position of the movement arm is easy to adjust

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Lordosis pad
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Adductor muscles



Gluteus muscles

WEIGHT SET

60 kg
2,5 - 15 kg = 2,5 kg increments
15 - 60 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 175 cm
Depth: 180 cm
Weight: 330 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® HIP MACHINE



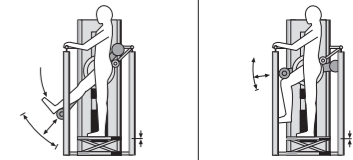
The standing position of the person training in our HIP MACHINE makes virtually countless exercise versions possible. Safety is maximised thanks to individually adjustable body supports.

FEATURES

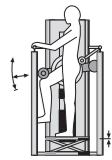
- For abduction, adduction, hip extension and hip flexion in the standing position
- Movement limiter
- Adjustable initial position
- Ball-bearing movement arm adjustment mechanism, individually variable length
- Foot plate that is continuously adjustable in height and horizontally adjustable in 2 positions for training with proper axial alignment
- Two adjustable body pads
- Safety rail
- Start angle can be adjusted from the training position
- Well readable function description from training position

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Hip extension



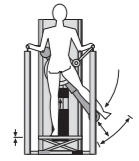
Hip flexion



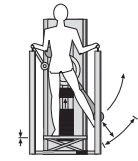
Gluteus muscles



Hip flexor muscles



Adduction



Abduction



Adductor muscles



Abductor muscles

WEIGHT SET

70 kg
2,5 - 15 kg = 2,5 kg increments
15 - 70 kg = 5 kg increments

DIMENSIONS

Height: 185 cm
Length: 168 cm
Depth: 108 cm
Weight: 340 kg

COLOR CHART

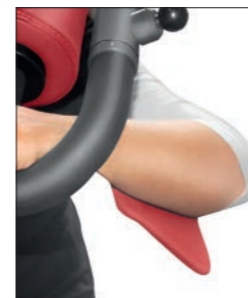
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MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® ABDOMINAL TRAINER

also available as combination device



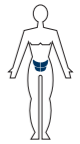
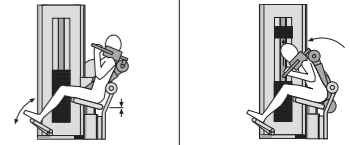
The spine is a sensitive and very important part of our body. FREI medical has developed an ABDOMINAL TRAINER with a free-moving training arm which supports the path of the spine motion and keeps it in a non-compressed position.

FEATURES

- Anatomical lordosis pad
- Pelvic restraint for back flexion
- Physiological force curve
- Movement limiter
- The initial position of the movement arm is easy to adjust using the ingenious blade-in-blade system – a FREI medical invention. Advantage: training automatically begins in the right position along the physiological force curve
- Stepless seat height adjustment
- Moveable shoulder and back pad
- Continuously variable footrest
- Weights adjustable from the training position

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Padded armrest
- Movement limiter
- Automatic seat height adjustment in combination with analysis and training system
- Additional padding for shoulder pads
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Rectus abdominis muscle

WEIGHT SET

70 kg
2,5 - 30 kg = 2,5 kg increments
30 - 70 kg = 5 kg increments

DIMENSIONS

Height: 165 cm
Length: 140 cm
Depth: 105 cm
Weight: 330 kg

COLOR CHART

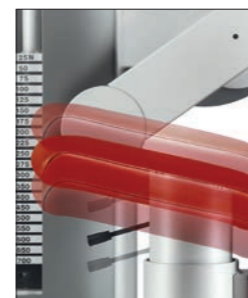
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MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® BACK TRAINER

also available as combination device



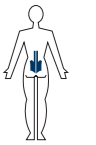
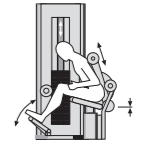
A strong back builds up through a strong musculature. This is achieved training with our BACK TRAINER with safe and guided exercises.

FEATURES

- Anatomical lordosis pad
- Physiological force curve
- Movement limiter
- The initial position of the movement arm is easy to adjust using the ingenious blade-in-blade system – a FREI medical invention. Advantage: training automatically begins in the right position along the physiological force curve
- Continuous seat height adjustment
- Individually adjustable movement arm with back roll
- Continuously variable footrest
- Pelvic restraint for back extension
- Weights adjustable from the training position

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Automatic seat height adjustment in combination with FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im **CE** 0123, measuring technology included



Autochthonous back muscles

WEIGHT SET

70 kg
2,5 - 30 kg = 2,5 kg increments
30 - 70 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 142 cm
Depth: 92 cm
Weight: 300 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I **CE**

Changes reserved - proprietary design

GENIUS ECO® TORSO ROTATOR



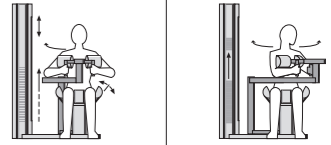
Rotation is a very difficult exercise for many people. With our TORSO ROTATOR, this training is performed with initial tension that can be individually selected.

FEATURES

- Training arm that folds up completely for getting in and out in comfort
- Position of the training arm adjustable to 15°, 30° and 45° to the right or left
- Precise degree setting for the initial angle
- Training under load begins exactly in the desired position
- Chest pad adjustable in height and depth, with ball-bearing guide
- Easy and straightforward adjustment of the two pelvic supports
- With anatomical lordosis pad
- Stepless seat height adjustment
- Weights adjustable from the training position

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Footrest to fix the position
- Automatic seat height adjustment in combination with FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im **CE** 0123, measuring technology included



Musculus obliquus abdominis

Intercostal muscles

WEIGHT SET

70 kg
5 - 20 kg = 2,5 kg increments
20 - 70 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 133 cm
Depth: 105 cm
Weight: 300 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I **CE**

Changes reserved - proprietary design

GENIUS ECO® LATERAL TRAINER



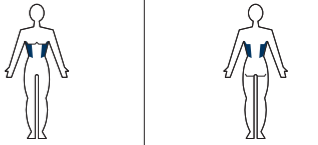
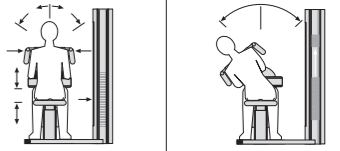
Tilting to the right and left promotes the development of the diagonal muscles. In doing so, the ergonomically adjustable thigh pad provides perfect support. This results in the optimum complement to back training with our LATERAL TRAINER.

FEATURES

- Adjustable position
- Precise degree setting for the initial angle
- Training under load begins exactly in the desired position
- Stepless seat height adjustment
- Side arm pads, adjustable in width by means of smooth running ball-bearing precision guides
- Continuously adjustable leg pads
- Movement limiter included

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Automatic seat height adjustment in combination with FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im **CE** 0123, measuring technology included



Musculus obliquus abdominis

WEIGHT SET

70 kg
2,5 - 15 kg = 2,5 kg increments
15 - 70 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 125 cm
Depth: 130 cm
Weight: 300 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I **CE**

Changes reserved - proprietary design

GENIUS ECO® CVS TRAINER



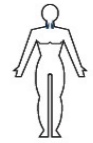
The cervical spine should be treated with care. We have designed a very safe training device. The CVS TRAINER has an extra fine weight adjustment and is and can be optimally adjusted to the user.

FEATURES

- Seat rotatable for cervical spine extension, flexion and lateral flexion
- Stepless seat height adjustment
- Head cushion adjustable in inclination and height
- Chest pad adjustable in height and depth with ball
- Start position adjustable
- Ergonomic pivot point adjustment

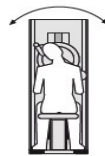
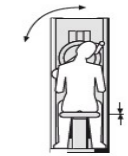
OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Automatic seat height adjustment in combination with the FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Scalene muscles
Pectoral and hyoid muscles
Sternocleidomastoid muscle

Erector spinae muscle
Levator scapulae muscle
Trapezius muscle
Splenius muscle



Pectoral and hyoid muscles
Sternocleidomastoid muscle

Levator scapulae muscle
Trapezius muscle
Splenius muscle

WEIGHT SET

10 kg
0,5 - 3 kg = 0,5 kg increments 3 -
10 kg = 1 kg increments
Additional weight 0,5 kg

DIMENSIONS

Height: 170 cm
Length: 130 cm
Depth: 72 cm
Weight: 280 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® POSTURE STABILISER

also available as combination device



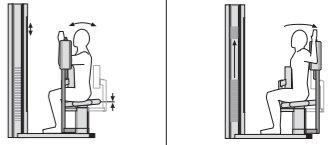
The POSTURE STABILISER stabilises the entire upper back with a simple but effective exercise. In order to increase the degree of difficulty, the seat with support pad is simply turned by 180°.

FEATURES

- Physiological force curve
- Width adjustment of the training arms possible
- Weights adjustable from the training position
- Low entry
- Optimal training due to decoupled training arms
- Exercises can be performed with just one training arm
- Adjustable support pad
- Seat and support pads can be rotated 180°, exercises can be performed either with chest or back support
- Seat height adjustment

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Ball handles, moveable
- Lordosis pad
- Automatic seat height adjustment in combination with FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Anterior deltoid muscle
Rhomboids, trapezius muscle
Latissimus dorsi muscle

WEIGHT SET

50 kg
2,5 - 15 kg = 2,5 kg increments
15 - 50 kg = 5 kg increments

DIMENSIONS

Height: 165 cm
Length: 82 cm
Depth: 120 cm
Weight: 300 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® BUTTERFLY

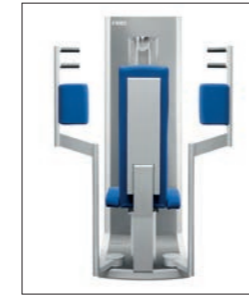
also available as combination device



The initial position of our BUTTERFLY can be adjusted depending on the requirements. Especially important for rehabilitation in the shoulder region.

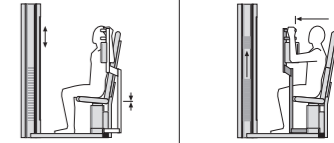
FEATURES

- Physiological force curve
- Exercises can be performed with just one training arm
- Stepless seat height adjustment
- Weights adjustable from the training position
- Optimal training due to decoupled training arms



OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Lordosis pad
- Automatic seat height adjustment in combination with FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Pectoralis major muscle

WEIGHT SET

60 kg
2,5 - 15 kg = 2,5 kg increments
15 - 60 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 135 cm
Depth: 115 cm
Weight: 330 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® CHEST PRESS



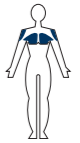
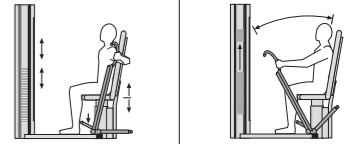
Our CHEST PRESS is a simple but effective training device for the chest and arms. It accurately targets and develops the muscles. The curved handles make it easy for any user to find a preferred training position.

FEATURES

- Adjustable position
- Seat height adjustment
- Exercises can be performed with just one training arm
- Optimal training due to decoupled training arms
- Weights adjustable from the training position

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Lordosis pad
- Automatic seat height adjustment in combination with the FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Chest muscle
Deltoid muscle



Triceps

WEIGHT SET

50 kg
8 - 18 kg = 2 kg increments
18 - 50 kg = 4 kg increments

DIMENSIONS

Height: 170 cm
Length: 148 cm
Depth: 120 cm
Weight: 330 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® ROWING MACHINE



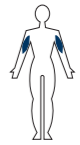
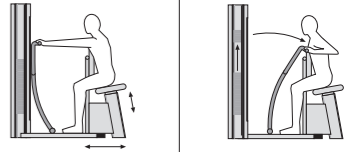
Our ROWING MACHINE complements the effect of the chest press in the area of the back and arms. Individual adjustment possibilities, such as the distance of the seat to the training arm, for guaranteed comfortable and ergonomic training.

FEATURES

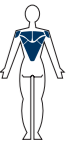
- Seat height adjustment
- Exercises can be performed with just one training arm
- Optimal training due to decoupled training arms

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Automatic seat height adjustment in combination with the FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im **CE** 0123, measuring technology included



Biceps muscle



Trapezius muscle
Teres major muscle
Latissimus dorsi muscle

WEIGHT SET

70 kg
2,5 - 10 kg = 2,5 kg increments
10 - 70 kg = 5 kg increments

DIMENSIONS

Height: 170 cm
Length: 160 cm
Depth: 98 cm
Weight: 330 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I **CE**

Changes reserved - proprietary design

GENIUS ECO® COMBINATION PULL DOWN / DIP



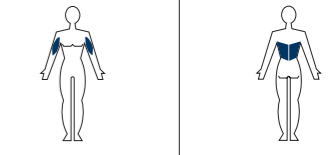
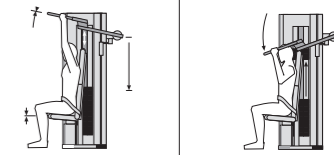
They form a unit: PULL DOWN AND DIP device in one. Only one lever has to be pressed and the training arm can be moved without effort on the smooth-running linear rail. The pull down becomes a dip device.

FEATURES

- Device arm adjustable on smooth-running linear rail for pull down or dip exercises
- Stepless seat height adjustment
- Stabilising hip belt
- Weights adjustable from the training position

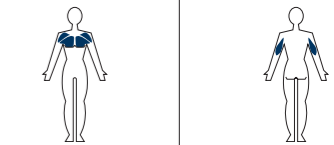
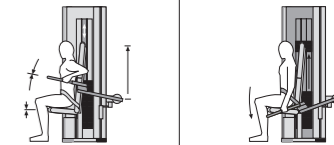
OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Lordosis pad
- Automatic seat height adjustment in combination with the FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



Shoulder, Biceps

Latissimus dorsi muscle



Pectoralis major muscle
Anterior deltoid muscle

Triceps

WEIGHT SET

50 kg
5 - 15 kg = 2,5 kg increments
15 - 50 kg = 5 kg increments

DIMENSIONS

Height: 200 cm
Length: 107 cm
Depth: 127 cm
Weight: 480 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO® SHOULDER PRESS



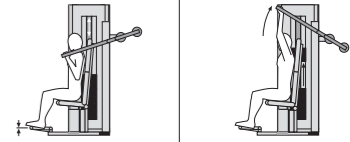
Exact and reproducible positioning for training with proper axial alignment is easy to achieve on all our equipment. With the SHOULDER PRESS as well, footrest and seat adjustments help to find the right position.

FEATURES

- Stepless seat height adjustment
- Footrest steplessly adjustable

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Movement limiter
- Lordosis pad
- Automatic seat height adjustment in combination with the FREI GUIDE analysis and training system
- FREI GUIDE analysis and training system
- Also available as medical device class Im **CE** 0123, measuring technology included



Deltoid muscle

Triceps muscle

WEIGHT SET

50 kg
5 - 15 kg = 2,5 kg increments
15 - 50 kg = 5 kg increments

DIMENSIONS

Height: 185 cm
Length: 156 cm
Depth: 128 cm
Weight: 480 kg

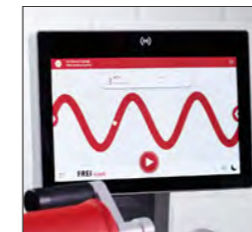
COLOR CHART

see cover

MEDICAL DEVICE CLASS I **CE**

Changes reserved - proprietary design

GENIUS ECO® VERTICAL TRACTION MACHINE



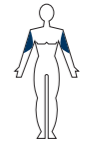
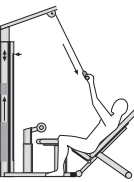
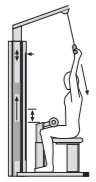
The VERTICAL TRACTION MACHINE is ideal for muscle building training, also for athletes. The 70kg weight block offers enough weight for an optimal fixation through the adjustable thigh roller.

FEATURES

- 1/2 gear reduction
- Height-adjustable leg pad
- Height-adjustable latissimus bar
- Stepless seat height adjustment
- Available as wall mount version, without foot plate and seat (not illustrated)

OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Automatic seat height adjustment in combination with the FREI GUIDE analysis and training system
- Available as wall model
- FREI GUIDE analysis and training system
- Also available as medical device class Im CE 0123, measuring technology included



M-biceps brachii

Latissimus dorsi muscle

WEIGHT SET

70 kg
5 - 70 kg = 5 kg increments

DIMENSIONS

Height: 238 cm (with gibbet)
Length: 108 cm
Depth: 105 cm
Weight: 320 kg

COLOR CHART

see cover

MEDICAL DEVICE CLASS I CE

Changes reserved - proprietary design

GENIUS ECO®

UNIVERSAL TRACTION MACHINE - 18 KG / 28 KG

EXPLOSIVE TRACTION MACHINE - 20 KG



Image shows: Traction machine with option „stand“



The UNIVERSAL TRACTION MACHINE. Almost no other device offers such a wide variety of exercises and can be effectively combined with so many small add-on products. The weights are variable as well: you choose from 18 kg, 28 kg or the EXPLOSIVE version for speed strength exercises with 20 kg.



FEATURES

- 2 rope exits
- 2 handles
- Three-dimensional mobility



VERSIONS

- GENIUS ECO® UNIVERSAL TRACTION MACHINE 18 kg
- GENIUS ECO® UNIVERSAL TRACTION MACHINE 28 kg
- GENIUS ECO® EXPLOSIVE TRACTION MACHINE 20 kg



OPTIONS

- Hydraulic weight plate damping – a FREI medical invention
- Stand and/ or sliding device
- Gibbet
- Latissimus bar
- Triceps bar
- Handhold
- Various cuffs and straps

DIMENSIONS

Height: 200 cm (without stand and gibbet)
Height: 238 cm (without stand with gibbet)
Height: 245 cm (with gibbet on stand)
Length: 52 cm (without stand)
Depth: 18 cm (without stand, gibbet and Handhold)

WEIGHT INCREMENTS

UNIVERSAL 18 KG

(specified in newtons + kg)

1. cable 5 - 90 n 1/4 gear reduction
= 0,5 - 9 kg
(speed strength exercises)
2. cable 10 - 180 n 1/2 gear reduction
= 1 - 18 kg

Weight: 117 kg (incl. stand 162 kg)

WEIGHT INCREMENTS

UNIVERSAL 28 KG

(specified in newtons + kg)

1. cable 5 - 140 n 1/4 gear reduction
= 0,5 - 14 kg (power training)
2. cable 10 - 280 n 1/2 gear reduction
= 1 - 28 kg

Weight: 140 kg (incl. stand 182 kg)

WEIGHT INCREMENTS

EXPLOSIVE 20 KG

(specified in newtons + kg)

1. cable 5 - 100 n 1/6 gear reduction
= 0,5 - 10 kg (explosive exercise)
2. cable 10 - 200 n 1/3 gear reduction
= 1 - 20 kg (power training)

Weight: 141 kg (incl. stand 186 kg)

Changes reserved - proprietary design

DIMENSIONS

Height	230 cm
Width:	330 cm
Depth:	150 cm

WEIGHTS OF VERSIONS

1. approx.	564 kg
2. approx.	604 kg
3. approx.	612 kg
4. approx.	330 kg

GENIUS ECO® FUNCTIONAL TRAINING CENTER 1.0



The FUNCTIONAL TRAINING CENTER an infinite number of training possibilities. Offer your customers functional training and therapy at the same time - comfortable and of high quality, in a small space. The Functional Training Center is also suitable for sling therapy.

FEATURES

- Incl. pull-up bar and two deflection pulleys

VERSIONS

1. FUNCTIONAL TRAINING CENTER 1.0 with two UNIVERSAL TRACTION MACHINES 18 kg
2. FUNCTIONAL TRAINING CENTER 1.0 with two UNIVERSAL TRACTION MACHINES 28 kg
3. FUNCTIONAL TRAINING CENTER 1.0 with two EXPLOSIVE TRACTION MACHINES 20 kg
4. FUNCTIONAL TRAINING CENTER 1.0 without traction machines

Note: only GENIUS ECO **TRACTION** machines fit in the FUNCTIONAL TRAINING CENTER!

Changes reserved - proprietary design

GENIUS ECO® MULTI PRESS



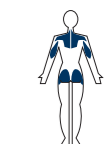
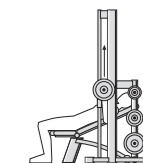
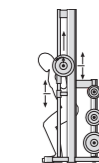
Training safety even heavy loads with our MULTI PRESS: our counterweight system significantly reduces the weight of the training bar. The hook system prevents the bar from slipping.

FEATURES

- Guided training bar
- Two adjustable stops
- Hook system to ensure safety while training
- Training bar, height-adjustable in 16 increments
- Counterweight to minimise the net weight of the training bar from 19 kg to 5 kg
- Weight shelves on both sides for a maximum of 150 kg; space on each side for 4 barbell discs of 10 kg and 5 kg, and for 6 discs of 2.5 Kg (not included)
- In combination with a training bench, versatile exercises for the torso, arms and legs are possible in a lying or sitting position
- Open base frame
- Replaceable neck roll

OPTIONS

- GENIUS ECO® MULTI PRESS Adapter for holding 50 mm weight plates
- Pull-up bar



Anterior shoulder
Chest muscle
Deltoid muscle
Quadriceps femoris muscle

Osterior shoulder
Triceps
Gluteal muscle

DIMENSIONS

Height:	220 cm
Length:	125 cm
Depth:	200 cm
Weight:	160 kg
Training bar Ø:	30 mm

Changes reserved - proprietary design



The new **FREI GUIDE**, in combination with the **FREI GUIDE Software**, offers comprehensive test procedures and highly innovative forms of training. The maximum user-friendliness enables individual training at the optimal point of challenge.

- The user guidance on the FREI GUIDE touch display is simple and intuitive
- Integrated video animations help to set the device correctly before training
- Training programs for the various training stations can be created in the FREI GUIDE software after admission of the patient and initial anamnesis
- Using Myfair technology (chip card, wristband with RFID identification), the new FREI GUIDE Display on the training device identifies the user and guides through the preset training program
- A quick start mode can be used on the FREI GUIDE Display to start the training in just a few steps
- During training, therapists and trainers can adjust all training parameters at any time without having to scroll back and forth on the screen

INDIVIDUAL TRAINING CONTROL AT THE OPTIMAL POINT OF CHALLENGE.

A NEW DIMENSION IN TRAINING CONTROL & EVALUATION!

SOFTWARE SOLUTIONS

SOFTWARE FOR PLANNING, EVALUATION AND DOCUMENTATION

Training Devices + Software = Guidance through the entire training

The FREI GUIDE Software, which is connected to the devices via a WIFI and/or LAN network, stores all anamnestic data about the patient. Test and training programs can be created for the various training stations, changed and automatically saved via RFID.

After the training session, all results are available and can be saved in the software for the patient/customer. The course of training can be documented at any time and training/therapy successes can be displayed. In addition, cardio training content and additional free training exercises can be added to the individual training program.



FREI | **emPact**

Highly Optimize Your Medical
Training Therapy

With new high-energy induction therapy, FREI medical offers specialized protocols for highly optimized therapy during training. The application of **FREI emPact** therapy can take place before, during, and after an active training session. It supports and optimizes the treatment success of many indications. The muscles and structures are activated, stimulated and mobilized.



HIGH ENERGY - INDUCTION THERAPY

The **FREI emPact** application leads to a physiological change and stimulation with which therapeutic effects can be achieved.

- Can be combined with FREI medical training equipment as well as functional training
- Improvement of posture, mobility and gait pattern can be achieved
- Improvement of blood circulation, reduction of swelling and inflammation
- Relaxation of the musculature as well as breaking of protective tensions after e.g. injuries
- Higher intensity of the training feeling and optimization of the training success

BEFORE TRAINING THERAPY

Supports passive treatment therapies as well as optimal preparation for active therapy and training measures. Depending on the indication, the targeted use of the **FREI emPact** can stimulate structures, reduce inflammation and swelling, improve mobility and activate muscles.

DURING TRAINING THERAPY

During training sessions, treatment with **FREI emPact** can achieve fast improvements in strength and coordination. Training results are optimized, especially in cases of pain, arthritic changes and movement restrictions. Application with **FREI emPact** increases muscle activity.

AFTER TRAINING THERAPY

The targeted use of the **FREI emPact** can support the regeneration of muscles and stressed structures after successful training. The improvements achieved in restrictions and complaints are sustainable.

ELECTROMAGNETIC TRAINING THERAPY FROM FREI medical

Use electromagnetic therapy with **FREI emPact** in combination with your patients' training therapy. The **FREI emPact** programs specially developed by FREI medical offer a wide range of treatment options to improve the well-being of your patients.

Group1 – tundra



pearl

black

cherry

atoll

UPHOLSTERY COLORS

Group 4 – pandoria plus



white

light beige

pebble

smoke

chocolate

black

platinum



fire

cherry

lime

emerald

sky

royal

Group 5 – palma



black

ruby

baltic

anthracite

Frame color



Platinum metallic
for training devices
and therapy tables

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