

FREI
medical



FACTUM[®]

ANALYSIS & TRAINING EQUIPMENT





FACTUM®

- Medical device Class Im **CE** 0123
- Whisper-quiet, harmonious movements
- Combination device: Trains two muscle groups in one flow of movement
- Hydraulic resistance is separately adjustable
- Compatible with software-based test and training systems FREI GUIDE
- Perfect for group and circuit training or individual therapy
- Safe workout: movements can be stopped at any point
- Concentric / concentric workout
- Also usable as a single device
- Series comprised of 9 devices

MEDICAL TRAINING DEVICES



LEG TRAINER
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SHOULDER TRAINER
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CHEST & POSTURE
TRAINER PAGE 10



ROWING MACHINE /
CHEST PRESS PAGE 12



ABDOMINAL / BACK
TRAINER PAGE 14



TORSO ROTATOR
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LATERAL TRAINER
PAGE 18



KNEE FLEXOR / EXTENSOR
PAGE 20



ABDUCTOR /
ADDUCTOR PAGE 22

FACTUM® LEG TRAINER



LEG TRAINER

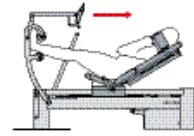
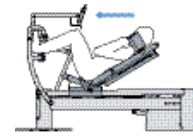
This form of exercise creates a whole new training experience while extending and flexing the legs. The exercising person pushes off the footplate and actively pulls back towards it. During this process, the feet are held in place by an optimal holding device.

FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Individual single-lever shoulder rest adjustment
- With fully covered, low-noise, ball-bearing linear guide
- Ideal entry thanks to the narrow linear guide and handle on the hand crank unit
- Hand crank unit for the foot retainer on the foot plate, which is easy to operate from the training position
- Software-controlled feedback for optimal training via the FREI GUIDE
- Angle-adjustable backrest 20° / 30° / 40°
- Power supply 230 V

OPTIONS

- FREI GUIDE analysis and training software
- Additional padding for shoulder pads



■ Leg flexion
(pulling toward the body / concentric)
Hip flexor (iliopsoas)
Hamstrings
Shin musculature (tibialis anterior)

■ Leg extension
(pushing away from the body / concentric)
Gluteal muscle
Quadriceps
Calf muscles

RESISTANCE

50 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 157 cm
Length: 235 cm
Depth: 76 cm
Weight: 300 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design

FACTUM®
SHOULDER TRAINER



SHOULDER TRAINER

The training with the SHOULDER TRAINER is incomparably comfortable. The training arm moves in perfect sequence. Entering and exiting are ingeniously simple: sit down and stand up unobstructed. The hip belt provides optimum support for high-resistance training. Even the handle width setting is individually adjustable thanks to the rotating grips.



FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Individually selectable starting position
- Rotating grips for individual handle width adjustment
- Adjustable lordosis pad
- Adaptation to the individual torque curve
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V

OPTIONS

- FREI GUIDE analysis and training software
- Stand-up aid – handles assist to get in and out safely



Deltoid muscle
Triceps muscle
Trapezius muscle
Pectoral muscle

Biceps,
Large back
muscle

RESISTANCE

25 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 162 cm
Length: 197 cm
Depth: 90 cm
Weight: 225 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design

FACTUM®
CHEST AND POSTURE TRAINER



CHEST AND POSTURE TRAINER

This independent CHEST AND POSTURE TRAINER system is a unique FREI patent. The Equal loads are applied independently to the right and left arms and therfor the stronger side does not help out. It is even possible to train just one arm with no load on the other arm!



FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- Seat height adjustment using the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Independent transmission for independent training and one sided exercises
- Individually selectable starting position
- Adjustable arm pad spacing
- Adjustable lordosis pad
- Adaptation to the individual torque curve
- Movement limitation to determine the range of motion
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V

OPTIONS

- FREI GUIDE analysis and training software
- Stand-up aid – handles assist to get in and out safely



Pectoral muscle,
Anterior deltoid muscle

Posterior deltoid muscle
Rhomboid muscle
Trapezius muscle

RESISTANCE

25 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 150cm
Length: 125cm
Depth: 130 cm
Weight: 210 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design

FACTUM®

ROWING MACHINE / CHEST PRESS



ROWING MACHINE / CHEST PRESS

The ROWING MACHINE / CHEST PRESS offers a unique, calm and flowing motion sequence. The large, angular grips offer virtually unlimited hand positions.



FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- Seat height adjustment using the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Individually selectable starting position
- Adjustable lordosis pad
- Adaptation to the individual torque curve
- Movement limitation to determine the range of motion
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V

OPTIONS

- FREI GUIDE analysis and training software



Triceps,
pectoral muscle,
deltoid muscle

Trapezius muscle
deltoid muscle,
large back
muscle,
biceps,
rhomboid muscle

RESISTANCE

25 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 133 cm
Length: 135cm
Depth: 187 cm
Weight: 210 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design

FACTUM®
ABDOMINAL / BACK TRAINER





ABDOMINAL / BACK TRAINER

The ABDOMINAL / BACK TRAINER maintains a balance of power for training that is gentle on the spine, which means no spinal compression. The freely mounted training arm closely follows the movements without pressure. Thereby the padded armrests ensure an optimal position of the shoulders while training.



FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- Seat height adjustment using the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Moveable shoulder pad with ball-bearing linear guide to eliminate spinal compression in flexion
- Individually selectable starting position
- Pelvic restraint for stable positioning of the person training
- Padded armrests
- Adaptation to the individual torque curve
- Movement limitation to determine the range of motion
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V



OPTIONS

- FREI GUIDE analysis and training software
- Stand-up aid – handles assist to get in and out safely
- Additional padding for shoulder pads



Straight abdominal muscle



Back extensor Psoas muscle

RESISTANCE

25 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 136 cm
Length: 147cm
Depth: 100 cm
Weight: 240 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design

FACTUM® TORSO ROTATOR





TORSO ROTATOR

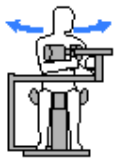
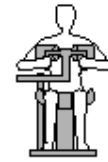
The TORSO ROTATOR is a compact device, the shoulder section is not secured from above. This means, person training have to stabilise themselves.

FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- Seat height adjustment using the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Individually selectable starting position
- 2 adjustable pelvic supports for secure positioning
- Height and depth-adjustable chest pad
- Adaptation to the individual torque curve
- Movement limitation to determine the range of motion
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V

OPTIONS

- FREI GUIDE analysis and training software



Diagonal
abdominal muscles

RESISTANCE

25 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 138 cm
Length: 130cm
Depth: 116 cm
Weight: 165 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design

FACTUM®
LATERALTRAINER





LATERALTRAINER

The LATERALTRAINER is characterized by the shoulder pads that move far apart. This makes getting in and out very easy and comfortable. The individually adaptable thigh pad provides optimal support when bending to the side.



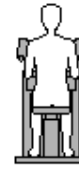
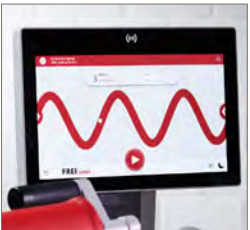
FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- Seat height adjustment using the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Individually selectable starting position
- Repositionable lordosis pad
- With width-adjustable upper arm pads
- Adaptation to the individual torque curve
- Movement limitation to determine the range of motion
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V



OPTIONS

- FREI GUIDE analysis and training software



Diagonal abdominal muscles,
Psoas muscle

RESISTANCE

25 – 900 N

Adjustable in 25 N increments

DIMENSIONS

Height:	132 cm
Length:	107cm
Depth:	70 cm
Weight:	185 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design

FACTUM®
KNEE FLEXOR / EXTENSOR



KNEE FLEXOR / EXTENSOR

The KNEE FLEXOR / EXTENSOR does precision work. Weight fine-tuning is made possible by the concentric resistance system. For certain indications, training in the closed chain is possible using the footrest pendulum. The hand crank to adjust the length of the training arm is extremely comfortable and easy to operate.

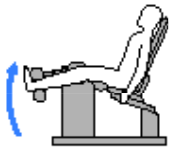
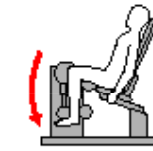


FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- Seat height adjustment using the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Individually selectable starting position
- Adjustable lordosis pad
- Adaptation to the individual torque curve
- Movement limitation to determine the range of motion
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V

OPTIONS

- FREI GUIDE analysis and training software



Back thigh muscles

Front thigh muscles
Quadriceps

RESISTANCE

25 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 120 cm
Length: 163cm
Depth: 110 cm
Weight: 235 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

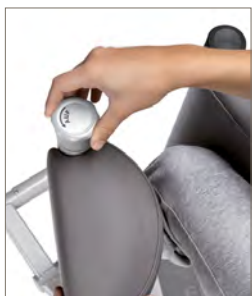
Changes reserved - proprietary design

FACTUM®
ABDUCTOR / ADDUCTOR



ABDUCTOR / ADDUCTOR

The ABDUCTOR / ADDUCTOR offers a patented asymmetric torque alignment and a horizontal adjustment of the knee padding to enable physiologically right training of the hip musculature. The convenient setting options for the backrest and starting position permit individually coordinated training.

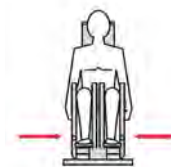


FEATURES

- Combination device with separately adjustable hydraulic resistance for both directions of movement via the FREI GUIDE
- Seat height adjustment using the FREI GUIDE
- When training in combination with the FREI GUIDE analysis and training software (option), the resistance settings are adjusted automatically
- Safe training: when the movement is terminated at any point, there is no weight resting on the person training
- Concentric / concentric workout
- Isokinetic and Isometric maximum force measurement
- Individually selectable starting position
- Asymmetric torque adjustment
- Adjustable knee pads via the asymmetrical rod
- Angle-adjustable head and backrest
- Easy to get in and out thanks to the training arms which open wide
- Adjustable lordosis pad
- Software-controlled feedback for optimal training via the FREI GUIDE
- Power supply 230 V

OPTIONS

- FREI GUIDE analysis and training software



Abductors
Adductors

Gluteal
musculature

RESISTANCE

25 – 900 N
Adjustable in 25 N increments

DIMENSIONS

Height: 132 cm
Length: 150 cm
Depth: 160 cm
Weight: 200 kg

COLOR CHART

See cover

MEDICAL PRODUCT class Im CE 0123

Changes reserved - proprietary design



FREI | **GUIDE**

A NEW DIMENSION
IN TRAINING CONTROL
& EVALUATION!

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 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.**



SOFTWARE SOLUTIONS

SOFTWARE FOR PLANNING, EVALUATION AND DOCUMENTATION

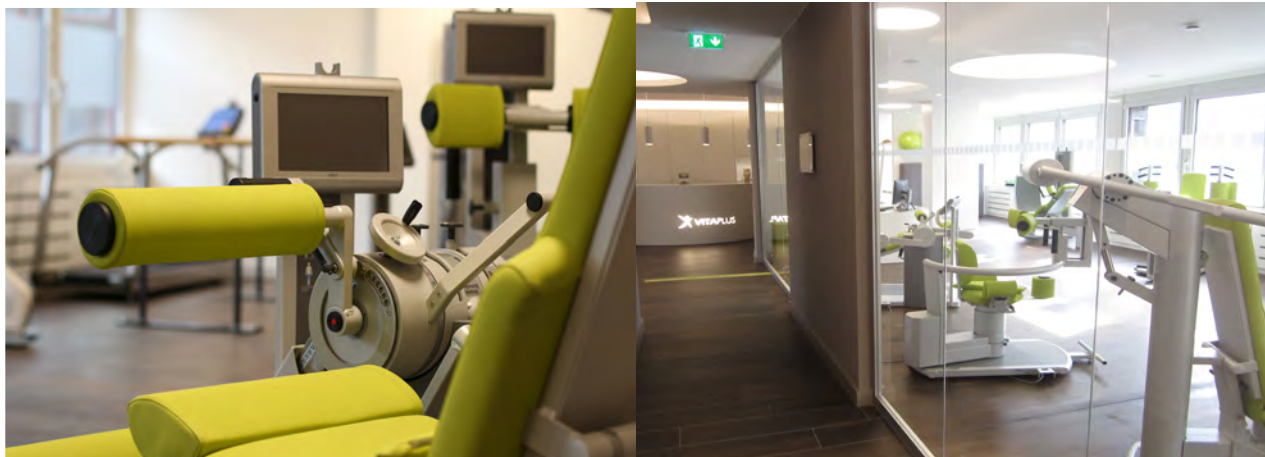
Training Devices + Software = Guidance through the entire training

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.



KörperRaum Studio for Movement and Posture, Ried



Vital Plus, Berlin

Credentials



Practice for physiotherapy, PhysioKitchen, Düsseldorf



Physiotherapie Heck, Leonberg



Athletic Solution Center, Stuttgart



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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