MEDEN INMED
PROFESSIONAL MEDICAL ENGINEERING



Kinesiotherapy

2026/2027

Contains products of:

Technomex
MEDEN GROUP

This catalogue contains information on, among other things, medical devices that should be handled by qualified medical personnel and used in accordance with the instructions for use or the label.

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Kinesiotherapy

Kinesiotherapy is generally understood as therapy with movement. This type of treatment is used in a wide range of scenarios: musculoskeletal, neurological, and orthopedical diseases as well as in therapy of children and adults. Regular exercises with the use of kinesiotherapy equipment allowto increase the range of motion, strengthen muscles, reduce pain, prevent injuries and help recovering from surgery. The most necessary equipment are: therapeutic beds and couches, device for therapy in suspension, devices for training of muscles or gait reeducation. Due to many years of experience and knowledge, as well as constant striving to meet the requirements of customers and patients, we offer ergonomic and durable devices.





GraviSpine

Gravity device for the therapy of spine diseases

GraviSpine is a comperhensive state-of-the-art therapeutic device designed to revolutionize rehabilitation therapy of scoliosis for children and adolescents. Developed and patented by Marek Kluszczynski MD, PhD, as result of his 25 years of experience. The Device is an optimal support for therapists working according to SOSORT guidelines.







What makes GraviSpine efficient?

Antigravity position:

- individually adjusted table inclination angle allows the anti-gravity relief of the spine
- soft tissue relaxation and spinal joints decompression facilitates the lateral correction and derotation of the curvature of the spine
- favorable conditions for the correction of scoliosis without the use of high pressure

3D Scoliosis correction:

- horizontal position of the patient with pelvis fixation and trunk stabilization thanks to lateral counterparts (hip and shoulder) prevent spine compensation
- precise three-plane correction on the level of the apex of scoliosis
- applied force measurement allows to safely dosage the pressure

Breathing exercises with Biofeedback

- breathing exercises and autocorrection with visual biofeedback in real time to teach proper position and body awareness

By offering non-invasive, customized and higly accurate therapy, GraviSpine offers patients a cutting-egde, safe and effective treatment option that accelerates therapy, delivers consistent and long-lasting results.

GraviSpine is an innovative and effective solution for treating:

- children with risk of scoliosis
- idiopathic scoliosis of children and adolescents
- treatment of patients prepared for spine surgery
- pain managment in adults with scoliosis
- patients with Scheuermann disease
- therapeutical element targeting functional asymmetry of the lower extremities

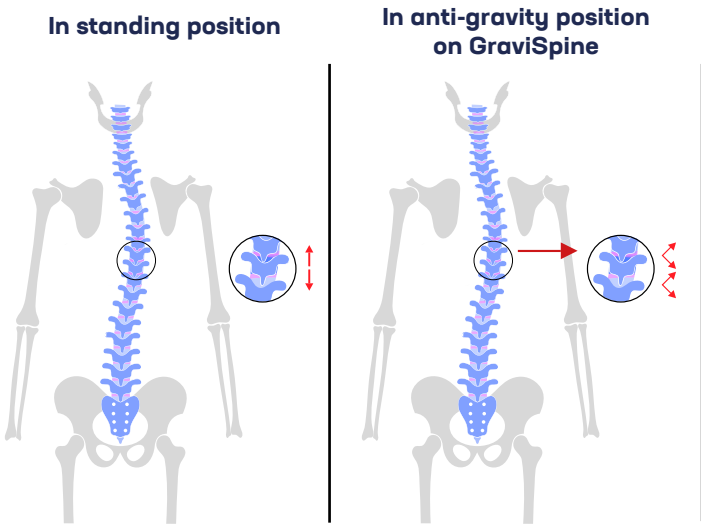
Proven outcomes: clinical studies and ongoing use in rehabilitation centers have demonstrated the significant change of ATR, Cobb angle, and functional length of lower limbs of patients using GraviSpine during therapy process.



2019
Th dex 25 deg.
L sin 23 deg.

2021
Th dex 15 deg.
L sin 12 deg.





Platinium

3-D traction table

Effective traction table for cervical and lumbar spine decompression with three dimensional arrangement of laying surface. Platinium allows performing static, harmonic and intermittent traction. The Touch screen panel greatly simplifies the treatment process and the patient database allows for quick access to information about the progress in the therapy and previously used treatment parameters.





TECHNICAL FEATURES:

- three dimensional adjustment of the bed
- safe dosage of traction forces with preset maximum, and impassable values for each of the traction types
- performing the traction treatment in supine or prone position
- symmetrical and asymmetrical traction
- modern and efficient solution for cervical traction (no load on temporo-mandibular joints)
- lumbar part is electrically extended during traction, eliminating the friction force between the patient and table
- adjustable parameters: type of traction, force, time in which the force will be increased to the max value, escalation treatment time, duration of active phase and the time interval
- possibility to configure the sequence of traction phases during a single treatment
- possibility to save self-made treatment
- programs

CLINICAL APPLICATIONS:

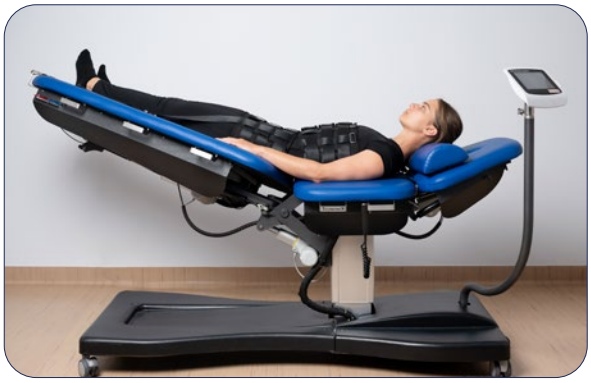
- prolapsed intervertebral disc (PID)
- intervertebral disc degeneration / disease
- reduced joint mobility (stiffness of soft tissue)
- hypermobility spondylitis (including blocking of zygapophysical joints)
- increased muscle tension
- nerve roots compression
- sciatica and shanks pain

AVAILABLE COLORS:

Black
NP026

Cement
NP003









Type of traction	static, harmonic, Intermittent
Maximum force of cervical traction	18 kg
Maximum force of lumbar traction	90 kg
Headrest adjustment	-44 ° to +36 °
Adjustment of the lumbar spine support in the saggittal plane (flexion / extension)	-14 ° to +22 °
Adjustment of the lumbar spine support in the coronal plane (lateral bending)	-20 ° to 20 °
Lumbar adjustment in the transverse plane rotation	-12 ° to +12 °
Maximum weight of patient	150 kg
Table height adjustment	580 - 880 mm
Dimensions (L x W)	2270 - 730 mm

Granit

3-section treatment table with three dimensional adjustment





FEATURES:

- three-sections table (central part, part for legs, headrest with a hole for the face)
- three dimensional adjustment (lateral flexion, horizontal flexion/extension and rotation)
- electric height adjustment with manual remote
- angle adjustable headrest (manually using gas spring)
- adjustment of leg part using gas springs
- plug for the face hole
- upholstery in the selected colour palette
- powder coated frame - very resistant to scratches and bruises
  stable design - rugged steel frame

ADDITIONAL EQUIPMENT:

- three-sections headrest (armrests)
- central wheels system with brakes
- paper roll holder (option for only one-piece headrest (no armrests)
- holders for stabilzation belts
- foot remote control (foot switch)
- height adjustment system of the table by the frame

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	2000 x 660
Height adjustment [mm]:	490 - 1020
Leg rest adjustment to sitting position (frontal plane) [°]:	-35 / +84
Leg rest adjustment in sagittal plane [°]:	-15 / +15
Leg rest adjustment in transverse plane [°]:	-19 /+19
Headrest adjustment [°]:	-33 / +60
Max weight of patient [kg]:	250

Topaz

3-section treatment table with pivot position





FEATURES:

- a three-sections table (central part, part for legs, and headrest with a hole for the face
- electric height adjustment by manual remote
- angle adjustable headrest (manually using gas spring)
- plug for the face hole
- adjustment of feet and central part using gas springs
- adjustment of the position of Pivot
- adjustment of the Trendelenburg position
- holders for stabilization belts
- upholstery resistant to disinfectants
- upholstery in the selected colour palette
- stable design - rugged steel frame
- powder coated frame - very resistant to scratches and bruises

ADDITIONAL EQUIPMENT:

- three-sections headrest (armrests)
- central chassis system: wheels with brakes
- paper roll holder
- foot remote control
- convenient height adjustment system of the table with frame

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	1850 x 660
Height adjustment [mm]:	490 - 1050
Headrest adjustment [°]:	-85 / +50
Central part adjustment for Pivot position [°]:	45
Leg rest adjustment to sitting position [°]:	55
Max weight of patient [kg]:	250

Beryl II

3-section treatment table





FEATURES:

- a three-sections table (central part, part for legs, and headrest with a hole for the face)
- electric height adjustment by manual remote
- angle adjustable headrest (manually using gas spring)
- plug for the face hole
- adjustment of leg part using gas springs
- stable design - rugged steel frame
- powder coated frame - very resistant to scratches and bruises
- upholstery resistant to disinfectants
- upholstery in the selected colour palette

ADDITIONAL EQUIPMENT:

- three-sections headrest (armrests)
- central wheels system with brakes
- paper roll holder
- holders for stabilization belts
- foot remote control (foot switch)
- height adjustment system of the table by the frame

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	2000 x 660
Height adjustment [mm]:	490 - 1020
Leg rest adjustment to sitting position (frontal plane) [°]:	-30 / +60
Leg rest adjustment in sagittal plane [°]:	-25+/75
Max weight of patient [kg]:	250

Beryl

3-section treatment table



FEATURES:

- a three-part table (central part, part for legs, and headrest with a hole for the face)
- electric height adjustment by manual remote
- angle adjustable headrest (manually using gas spring)
- plug for the face hole
- adjustment of leg part using gas springs
- stable design - rugged steel frame
- powder coated frame - very resistant to scratches and bruises
- upholstery resistant to disinfectants
- upholstery in the selected colour palette

ADDITIONAL EQUIPMENT:

- three-sections headrest (armrests)
- central wheels system with brakes
- paper roll holder
- holders for stabilization belts
- foot remote control (foot switch)
- height adjustments system of the table by the frame

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	1850 x 660
Height adjustment [mm]:	490 - 1050
Headrest adjustment [°]:	-85 / +40
Leg rest adjustment to sitting position [°]:	90
Max weight of patient [kg]:	250

Onyks

2-section treatment table with Tredelenburg position





FEATURES:

- a two-part table (central part and headrest with a hole for the face)
- electric height adjustment by manual remote
- angle adjustable headrest (manually using gas spring)
- plug for the face hole
- adjustment to Tredelenburg position (by gas spring)
- stable design - rugged steel frame
- powder coated frame - very resistant to scratches and bruises
- upholstery resistant to disinfectants
- upholstery in the selected color palette

ADDITIONAL EQUIPMENT:

- three-sections headrest (armrests)
- central wheels system with brakes
- paper roll holder
- holders for stabilization belts
- foot remote control (foot switch)
- height adjustment system of the table by frame

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	1850 x 660
Height adjustment [mm]:	470 - 1020
Headrest adjustment [°]:	-85 / +35
Central part adjustment for Tredelenburg position [°]:	30
Max weight of patient [kg]:	250

Opal

2-section treatment table



FEATURES:

- a two-part table (central part and headrest with a hole for the face)
- electric height adjustment by manual remote
- angle adjustable headrest (manually using gas spring)
- plug for the face hole
- stable design - rugged steel frame powder coated frame - highly resistant to scratches and bruises
- upholstery resistant to disinfectants
- upholstery in the selected colour palette

ADDITIONAL EQUIPMENT:

- three-sections headrest (armrests)
- central wheels system with brakes
- paper roll holder
- holders for stabilization belts
- foot remote control (foot switch)
- height adjustment system of the table by frame

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	1850 x 660
Height adjustment [mm]:	440 - 1010
Headrest adjustment [°]:	-85 / +40
Maximum load [kg]:	250

Korund - E

Treatment table for Bobath therapy





FEATURES:

- comfortable, wide and robust treatment surface ideal for therapy
- electric height adjustment by manual remote
- one-part plate
- stable design - rugged steel frame
- powder coated frame - very resistant to scratches and bruises
- upholstery resistant to disinfectants
- upholstery in the selected color palette

ADDITIONAL EQUIPMENT:

- headrest with adjustable angle
- central wheels system with brakes
- foot remote control (foot switch)
- frame-integrated height adjustment system

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	2000 x 1200
Height adjustment [mm]:	520 - 950
Headrest adjustment [°]:	+30
Max weight of patient [kg]:	250

Azuryt II

Tilting table with adjustable height





FEATURES:

- tilting table used for patients with long-term immobilization and for the treatment of severe spinal trauma
- two-part table (central part, feet support)
- electric tilt adjustment with manual remote control
- electric height adjustment with manual remote control
- stable design - rugged steel frame
- powder coated frame - very resistant to scratches and bruises
- upholstery resistant to disinfectants
- upholstery in the selected color palette

ADDITIONAL EQUIPMENT:

- foot remote control
- table (hand support) with height adjustment
- battery power pack

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	2050 x 750
Surface dimensions (L x W) [mm]:	2000 x 650
Height adjustment [mm]:	580 - 960
Surface angle adjustment [°]:	up to 87
Max weight of patient [kg]:	250

TF - 204

Wooden treatment table for physical therapy







FEATURES:

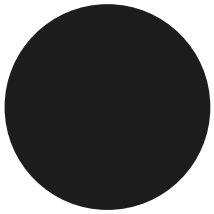
- two-part table (central part, headrest with a hole for face and plug)
- angle adjustable headrest (manually in three positions form 0 to 35 [°]
- high quality wooden frame
- upholstery resistant to disinfectants
- upholstery in the selected color palette

ADDITIONAL EQUIPMENT:

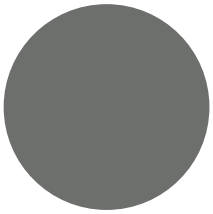
- paper roll holder
- shelf under the bed

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	1870 x 660
Height [mm]:	700
Headrest adjustment [°]:	0-35
Max weight of patient [kg]:	250

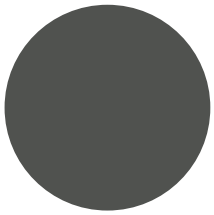
Aavailable Colors



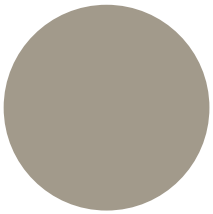
Black
NP026



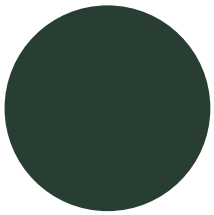
Anthracite
NP010



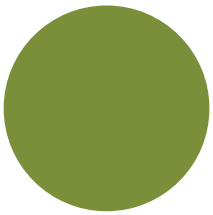
Cement
NP003



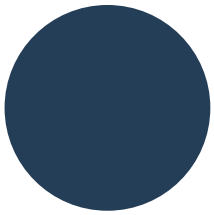
Ivory
NP016



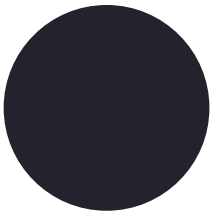
Forest
NP024



Olive
NP023



Sky
NP025



Ocean
NP009

Ametyst

Rehabilitation bench

Rehabilitation bench Ametyst allows to perform active exercises of knee flexion and extension with resistance. Two heads with adjustable range of motion allow simultaneous improvement of both limbs. The Bench has a stable steel frame. The Backrest angle adjustment is done manually using a gas spring. In the front part of the bench there is a steel structure where the proper load is placed. Additionally It is possible to choose the color of the upholstery - template available in the catalogue.





STANDARD EQUIPMENT:

- 1,25 kg - 2 pcs
- 1 kg - 2 pcs
- 0,5 kg - 2 pcs

TECHNICAL DATA:	
Dimensions (L x W) [mm]:	1700 x 1000
Height [mm]:	720
Height with backrest [mm]:	1610
Backrest adjustment [°]:	-20 / +90
Max weight of patient [kg]:	130

Ostium

Dynamic unweighing device

Ostium is designed to unweight the patient (decrease load of weight) during rehabilitation exercises. It allows the patient to be unloaded in static or dynamic mode. Ostium can also be used for rehabilitation of posture and balance in patients with disorders of these functions. It prevents the patient from falling, but does not interfere with proprioceptive reflexes. The degree of unweighing can be reduced as rehabilitation progresses.

The device consists of two independent modules for adjusting the p tient to a safe height and the gum module to relieve the strain. Ostium is equipped with a wheels and brakes system for easy and safe training and transport.







TECHNICAL DATA:	
Length [mm]:	1700
Width [mm]:	1600
Height [mm]:	2700
Max weight of suspended patient [kg]:	136

SCH - 1 / SCH - 2

Rehabilitation stairs

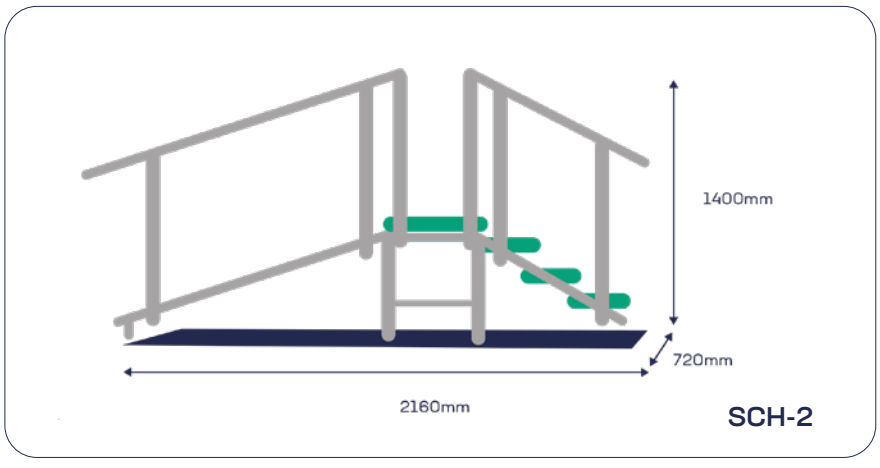
Rehabilitation stairs are used in physiotherapy for learning and re-education of gait - one of the most important elements of the rehabilitation of patients with dysfunctions of the lower limbs. They are used primarily in rehabilitation departments, physiotherapy, neurology and orthopedics.

PURPOSES:

- education and re-education of gait
- training of gait with obstacles
- balance training
- training of coordination of gait
- endurance training
- education of riding in a wheelchair (SCH-2)



	SET	Handrails	Platform	Staircase 1	Staircase 2	Ramp
Length	2160	560+/-860	660	-	-	-
Width	720	-	660	660	660	160
Height	1400	800+/-200	660	150	660	660
Depth	-	-	-	300	300	200
Number of steps	-	-	-	5	3	3



SCH-2

There are handrails on both sides of the stairs and on both sides of the platform. The handrails are adjustable in height and width according to the height of the patient with easy-to-use screws.

TNCH - 1 / TNCH - 2 / TNCH - 3

Parallel bars (track) for gait re-education

Rehabilitation handrails are used in physiotherapy for learning and re-education of gait - one of the most important elements of the rehabilitation of patients with dysfunctions of the lower limbs. They are used primarily at rehabilitation departments, physiotherapy, neurology and orthopedics.

AVAILABLE VERSIONS:

TNCH-1 (15.501.101) - handrails adjustable in height and width
TNCH-1 (15.501.102) - handrails adjustable in height and width zone of adjustable obsctacles
TNCH-1 (15.501.103) - foldable handrails without base

	TNCH-1	TNCH-2	TNCH-3
Dimensions: L x W [mm]	3000x750	3000x750	3000x950
Height of obstacles [mm]	-	1:85, 2:125, 3:125, 4:205, 5:245	-
HANDRAILS			
Length [mm]	3000	3000	3000
Height adjustment [mm] Width	710-1040	710-1040	710-1040
Width adjustment [mm]	350-880	350-880	350-880
Space between obstacles [mm]	-	till 400	-



TNCH-1



TNCH-2



TNCH-3

MIRR 1

Single corrective mirror

Mirror with posturographic net is designed to verify the correct posture of the patient. The Mirror is equipped with a brake system chassis that provides full mobility of structure. It is used in hospitals, clinics, nursing homes as well as in private surgeries and cosmetic rehabilitation practices.

The Grid is „carved" into the glass, which ensures its durability and resistance to abrasion. Mirror frame is made of steel to ensure high stability of the structure. The frame is powder coated providing high scratch durability to paint.



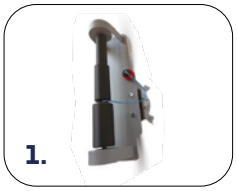
TECHNICAL DATA:	
Surface of the mirror (H x W) [mm]:	1605 x 635
Dimensions (H x W) [mm]:	1950 x 675
Posturographic net dimensions [mm]:	100 x 100

Manualex 2

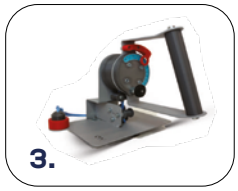
Multifunctional Table for Manual Hand Exercises with Biofeedback

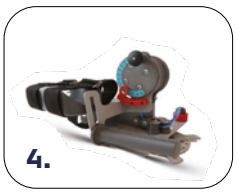
Manualex 2 is a dual-station device designed for neurological, orthopedic, and geriatric hand rehabilitation. It improves joint mobility, dexterity, and muscular strength and endurance. Exercises also enhance proprioception within the hand, accelerate the restoration of impaired neuromuscular functions, and improve coordination between individual muscle groups.

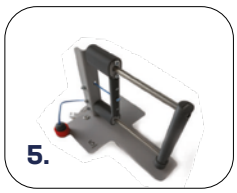


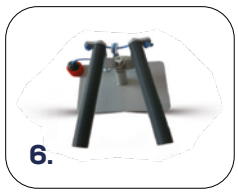




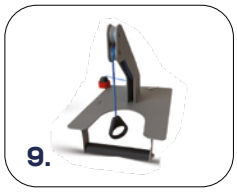


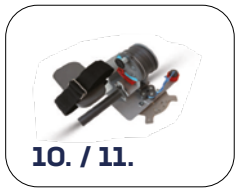












FEATURES:

- adjustable starting angles in attachments for selected movements
- various planes of movement 11 different exercises dedicated to hand training
- guide rail system for connecting individual exercise modules
- dual weight stacks allowing two patients to exercise simultaneosusly
- innovative solution central resistance column integrated into the table
- fast and strong connection attachments connect to the column using magnets
- increased range of motion, strength, endurance, and muscular coordination
- improved hand-eye coordination and motor control of the hand
- therapeutic tasks focused on functional movement, strength, and precision training

EXERCISE STATIONS OVERVIEW:

- **1.** cylindrical hand grip
- **2.** palmar and dorsal wrist flexion
- **3.** forearm pronation and supination
- **4.** ulnar and radial wrist flexion
- **5.** finger flexion in opposition to the thumb
- **6.** pinch grip training
- **7. / 8.** multi-finger grip – “Ball” / multi-finger grip – “Jar lid”
- **9.** tumb opposition to fingers II - V
- **10. / 11.** finger flexion / finger extension

TECHNICAL DATA:	
Small tabletop size [mm]:	670 x 1040
from 250 g to 2500 g per stack (10 levels)	

Levitas 1 / Levitas 2 / Levitas 3

Suspension (Sling) therapy

Levitas is a unique device for therapy in suspension. This kind of treatment is used successfully to increase muscle strength, range of motion and fight pain.

LEVITAS ALLOWS TO WORK:

- against or without gravity (muscle strengthening of all patients – those with limited strength to professional athletes
- axial and not axial (many levels of training intensity)
- on unstable ground (training of proprioception and coordination)
- ergonomic – therapist doesn't have to carry the weight of patient body and has easy access to the patient
- multifunctional - possibility to use elements of known modalities: MET, RI, core stability, traction etc.





FEATURES OF LEVITAS:

- precise suspension of the patient
- possibility of rapid change of patient precise regulation of suspension point and movement axis
- easy adjustment of the patient's pull-up system
- complete elimination of joint compression
- high stability of the construction
- full stabilization of the patient during exercises

LEVITAS:

This version has a system of 2 longitudinal and 2 transverse trolleys and swing arm option. At the top it is equipped with a 12 suspension points 6 on the sides (with variable height) and at the bottom with small individual points for fixing cables and rifles on both sides of the base. Trolleys run on high-quality bearings, which ensures extremely smooth movement and enables you to perform exercises using the entire length of the rails and enrichment therapy on the device. By using a plurality of anchoring points for suspending accessories and the swing arm it has wider range of treatment than other similar devices available on the market.

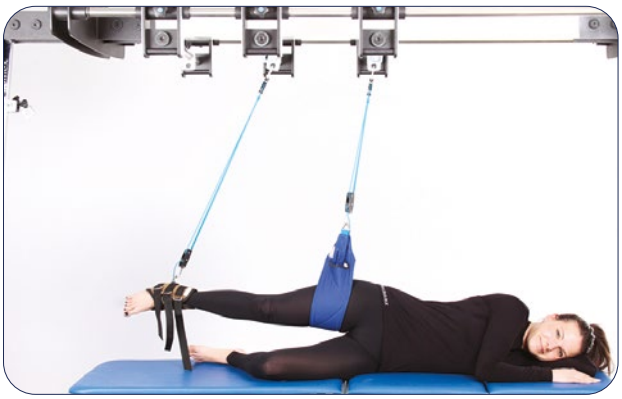


LEVITAS 1
FREE STANDING





LEVITAS 2
HANGING





LEVITAS 3
WALL MOUNTED



Type	LENGTH [mm]	Width [mm]	Height [mm]
Levitas 1	3230	1200	2110
Levitas 2	3100	1000	1750*
Levitas 3	2940	1200	2110

*It is possible to make both higher and lower units to fit into rooms with a minimum height of 2.3 meters

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How to order easily



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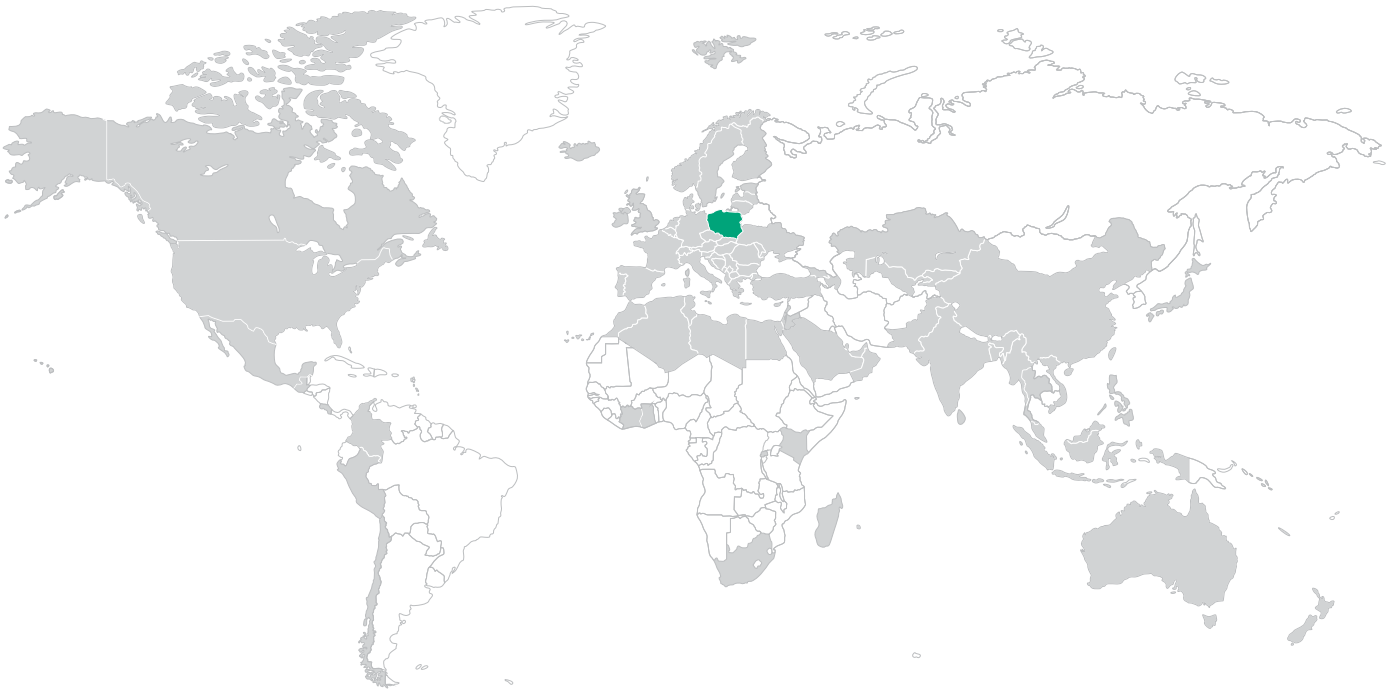
We deliver our equipment to more than 100 countries around the world:



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