

Therapy
of scoliosis

3D Decompression
table



Rehabilitation
tables

Therapy
tables

Kinesiotherapy
Helping through technology



GraviSpine, is a state-of-the-art therapeutic device designed to revolutionize rehabilitation therapy of scoliosis at children and adolescents. GraviSpine device is a key element of comprehensive care for patient with scoliosis, developed and patented by Marek Kluszczynski MD, PhD. as a result of his 25 years' experience. Device is optimal support for therapist 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 to 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 highly accurate therapy GraviSpine offers patients a cutting-edge, 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 to spine surgery
- pain management in adults with scoliosis
- patient with Scheuermann disease
- element of therapy of functional asymmetry of lower extremities

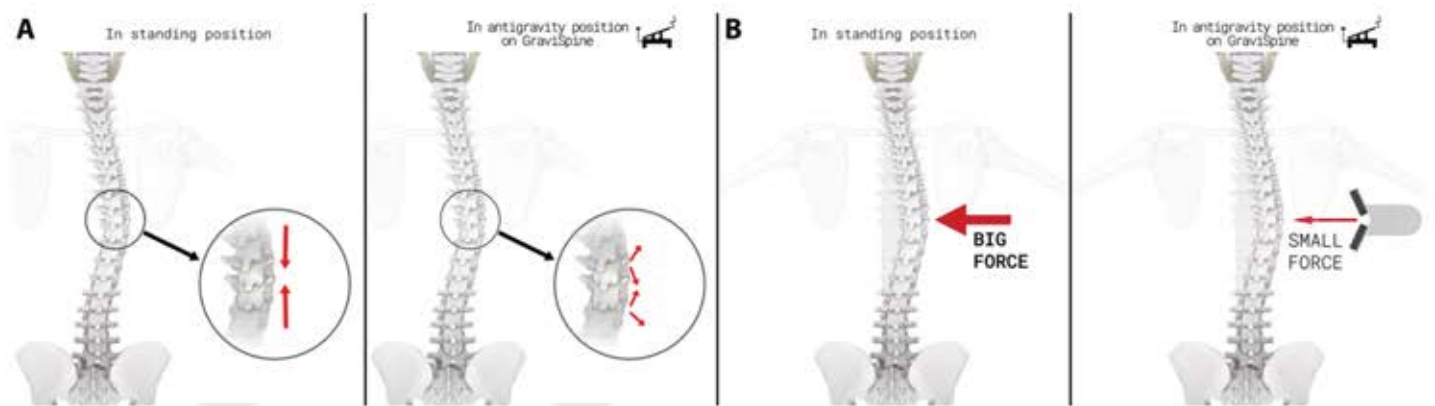
Proven outcomes: Clinical studies and ongoing use in rehabilitation centers have demonstrated the significant change of ATR, Cobb angle and functional length of lower limbs of patients using GraviSpine during therapy process.



2019
Th dex 25 deg.
L sin 23 deg.



2021
Th dex 15. deg.
L sin 12 deg.



PLATINIUM

08.501.201

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3-D traction table

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



TECHNICAL FEATURES:

- three dimensional adjustment of the table bed
- safe dosage of traction forces, with preset maximum, impassable values for each of the traction types,
- performing the traction treatment in the supine or prone position
- symmetrical and asymmetrical traction
- modern and efficient solution for cervical traction (no load on temporo-mandibular joints)
- table lumbar part is electrically extended during traction, which eliminates 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 or decreased, 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 own treatment programs

INDICATIONS:

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

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 sagittal plane (movement- flexion / extension)	-14° to +22°
Adjustment of the lumbar spine support in the coronal plane (movement- lateral / bending)	-20° to +20°
Lumbar adjustment in the transversal plane (movement - rotation)	-12° to +12°
Maximum weight of patient	150kg
Table height adjustment (mm)	580 - 880
Dimensions (L x W) (mm)	2270 - 730



3-section treatment table with three dimensional adjustment



FEATURES:

- a three-part table (headrest with a hole for the face, central part, part for legs)
- three dimensional adjustment (lateral flexion, horizontal flexion/extension and rotation)
- electric height adjustment with manual remote control
- headrest with adjustable angle (manually, with gas spring)
- adjustment of leg part (manually, with gas springs)
- upholstery in the selected colour palette, resistant to disinfectants
- stable and resistant to scratches frame

ADDITIONAL EQUIPMENT:

- three-piece headrest (armrests)
- lymphatic armrests at the central part with level adjustment
- plug for the face hole
- central chassis system: wheels with brakes
- paper roll holder
- brackets for stabilization belts
- foot remote control
- convenient height adjustment system of the table with frame

ADDITIONAL EQUIPMENT:

- dimensions [L x W] [mm]: 2270 x 730
- height adjustment [mm]: 490 - 1020
- leg rest adjustment to sitting position (frontal plane) [°]: -35 / +80
- leg rest adjustment in sagittal plane [°]: -15 / +15
- leg rest adjustment in transverse plane [°]: -10 / +10
- headrest adjustment [°]: -35 / +35
- max weight of patient [kg]: 250



3-section treatment table with Pivot position



FEATURES:

- a three-part table (headrest with a hole for the face, central part, part for legs)
- electric height adjustment with manual remote control
- headrest with adjustable angle (manually, with gas spring)
- adjustment of leg part (manually, with gas springs)
- brackets for stabilization belts
- upholstery in the selected colour palette, resistant to disinfectants
- stable and resistant to scratches frame

ADDITIONAL EQUIPMENT:

- three-piece headrest (armrests)
- lymphatic armrests at the central part with level adjustment
- plug for the face hole
- central chassis system: wheels with brakes
- paper roll holder
- foot remote control
- convenient height adjustment system of the table with frame
- pommels (3 pieces with 3 adjustable positions)

TECHNICAL DATA:

- dimensions [L x W] [mm]: 1900 x 660
- height adjustment [mm]: 490 - 1050
- headrest adjustment [°]: -85 / +35
- central part adjustment for Pivot position [°]: 45
- leg rest adjustment to sitting position [°]: 70
- max weight of patient [kg]: 250

AZURYT II

13.501.802

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Verticalization table with adjustable height



FEATURES:

- tilting table used for patients with long-term immobilization and for the treatment of severe spinal trauma
- is used in surgical, orthopedical and oncological units
- a two-part table (main surface + feet support)
- electric height adjustment with manual remote control
- precise electrical tilt adjustment with manual remote control
- upholstery in the selected colour palette, resistant to disinfectants
- stable and resistant to scratches frame

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

ADDITIONAL EQUIPMENT:

- central chassis system: wheels with brakes
- foot remote control
- table (hand support) with height adjustment
- battery power pack



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 fall, 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 patient to a safe height and the gum module to relieve the strain. OSTIUM is equipped with a wheels with brakes system for easy and safe way of training and transport.



TECHNICAL DATA:

- length - 1700 mm
- width - 1600 mm
- height - 2700 mm
- maximum weight (weight of suspended patient) 136 kg

SCH-1 / SCH-2

15.501.501

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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 at rehabilitation departments, physiotherapy, neurology and orthopedics.

APPLICATIONS:

- 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-1

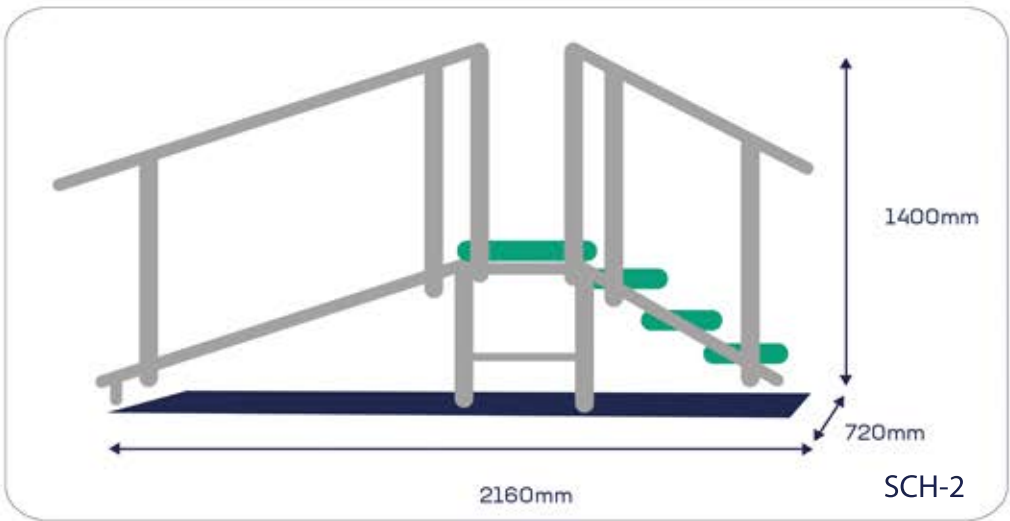
Set consists of platform and two staircases with different length and tilt level.

SCH-2

Set consists of platform, one staircase and a ramp.

TECHNICAL DATA:

	SET	Handrails	Staircase 1	Staircase 2	Platform
Length [mm]	2160	560-860	-	-	660
Width [mm]	720	-	660	660	660
Height [mm]	1400	600-1000	150	200	660
Depth [mm]	-	-	300	300	-
Number of steps	-	-	3 or 5	2 or 3	-



On both sides of stairs and ramp there are handrails. Handrails are adjustable in height and width depending on the patient's height with simple to use screws.



Suspension (Sling) therapy

LEVITAS is 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:

- without or against gravity (muscle strengthening of all patient - weak and 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 position
- precise regulation of suspension point and movement axis
- easy adjustment of patient pull-up system
- complete elimination of joint compression
- high stability of the construction
- full stabilization of the patient during exercise

VERSION PRO

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 swing arm it has wider range of treatment than other similar devices available on the market.



CONSTRUCTION TYPE	Length [mm]	Width [mm]	Height [mm]
Free standing (1)	3224	1200	2106
Hanging version (2)	3101	1000	1745*
Mounted to wall / Floor standing (3)	2938	1200	2106

*It is possible to make higher and lower device adapting to the premises of the room with minimum height 2.3 meters



ACCESSORIES VERSION PRO: (13.022.160)

- shoulder and thigh sling 0,57x0,15m - 6 pcs (RO-07)
- pelvis sling 0,9x0,22m - 1 pc (RO-08)
- head sling with hole 0,62x0,17m - 1 pc (RO-10)
- chest sling 0,78x0,24m - 1 pc (RO-09)
- pelvic belt (sling with 4 point suspension) - 1 pc (SO-11)
- self-locking sling - 2 pcs (SO-07)
- two-joint sling 0,83m - 4 pcs (RO-12)
- sling for arm - 2 pcs (SO-06)
- sling for foot - 2 pcs (SO-04)
- chest belt - 1 pc (SO-12)
- gaiter - 1 pc (SO-10)
- roller 15 x 50 - 1 pc
- single handle for Levitas - 1 pc (OM-7)
- straight hand grip for exercises with rubber - 2 pcs (LO-01)
- weight 0,5 kg - 1 pc (RO-15)
- weight 1,0 kg - 1 pc (RO-16)
- weight 1,5 kg - 1 pc (RO-17)
- weight 2,0 kg - 1 pc (RO-18)
- sling line with two snap hooks and blocking clamps, 2,5 m long -14 pcs (LO-13)
- functional and resistance training line, 5 m long - 1 pc (LO-14)
- elastic line with fixing, 60 cm long, red - 2 pcs
- elastic line with fixing, 30 cm long, red - 2 pcs
- elastic line with fixing, 60 cm long, black - 2 pcs
- elastic line with fixing, 30 cm long, black - 2 pcs
- sensomotoric cushion ø 33cm - 2 pcs
- accessory hanger
- the training script

