

Gravispine – Gravity device for the therapy of spine diseases

A motorized table equipped with electric actuators, which allows lowering & raising and inclination angle setting of the lying patient with trunk & pelvis fixation for the rehabilitation therapy of scoliosis, back pain syndromes, functional asymmetry of lower extremities, Scheuermann's disease and other spine diseases based on gravitational traction method.

Possibility of performing the active (breathing) exercises and in real time during the therapy

Designed to assure the two-plane stabilization of the pelvis (in the transverse and sagittal plane), and frontal stabilization of the lower limbs: precise three-plane correction of the patient's scoliosis in lying position

Real-time displayed parameters for their analysis and biofeedback.

Digital set-up (via touchscreen) of electrical driven moves:

- Table height
- Table angle

Acoustical alarm at the end of preset treatment time

Easy digital control (monitoring and set-up) via color LCD touchscreen display interface:

- Quick calibration of the applied force corrective pads' linear sensors
- Calibration of the bed height position
- Tilt angle
- Treatment duration
- Table height adjustment (up and down)
- Positioning distance of the applied pressuring corrective pads (cm)
- Setting the corrective pads' pressure force applied on the patient pelvis zone (kg)
- Setting the pressure's interaction between the patient opposition and the corrective pads (kg)



Positional adjustments of:

- Horizontal plane adjustment of the table
- Horizontal adjustment of the knee fixation bench and vertical adjustment to the necessary height
- Vertical adjustment of the ankle joints stabilizer
- Adjusting of shoulder fixation pad along the table, in height & width
- Width and height adjustment of the stabilizing pelvic hoop
- Pelvis support corrective pad's adjustment along the table length and height
- Pelvis support corrective pad's adjustment towards the lying patient with angle's automatical adjustment to the lying patient plane
- Automated change of inclination angle
- Manual control of the pelvic corrective pressure force's angle adjustment and of the pad's pressure on the patient

Technical data:

- Dimensions (LxW): 2300 x 700 mm
- Tilt adjustment range: 0° – 45°
- Maximum load: 120 kg
- 4 wheels with brakes
- Corrective pads equipped with pressure sensors
- Scoliometer included
- Power: 230 V AC / 50 Hz, 300 W
- Protection level against the ingress: IP X4
- Safety: equipped with emergency power button (table will automatically lower to the emergency position)

