

(ordering code 18.166.016) Dynamographic platform

GAMMA dynamographic platform is a modern device constructed for evaluation and training of the neuromuscular coordination, weightdistribution and balance.

This system can be used in gait research, and to study starts, take-offs, and landings in running and jumping events; swings in baseball and golf; and balance in gymnastics. Device is intended to be used by patients suffering from various disfunctions of muscoskeletal system (orthophaedic, neurologic) and in neurological rehabilitation of children and teenagers.

GAMMA allows the users to conduct an optimized balance and sensomotor control training (i.e. weight bearing distribution training for stroke or postoperating othopaedic rehab).

Huge advantage is the possibility of the individual positioning of each of the plates, so you can perform training in the stance the is specific to the Patient needs.



MAIN FEATURES

- Wide variety of tests and exercises
- each of the tasks can be modified in any way you want
- automatic report creation
- biofeedback-based rehabilitation
- multilingual software
- patient database with export options
- multiple positioning options.

Minimum system requirements for the GAMMA

- Windows XP/Vista/7 32 or 64 bit operating system
- PC computer with min. 2 GHz processor on board
- Min. 2 GB RAM
- Video card compatible with DirectX 10 and able to run in dual screen mode, comaptible with Pixel Shader 4.0, manufactured by nVidia or ATI (AMD)
- Connectors required: 1 x USB (2.0), 2 x USB (2.0) when using an additional camera, 3 x USB (2.0) when using two additional cameras.

Software has three different tests:

- Step test for gait evaluation
- Jump test for various jumps
- Weight distribution test

STANDARD EQUIPMENT

- 2 pcs.- GAMMA dynamographic platform [1]
- 1 pc. - Cable
- 1 pc. - Software
- 1 pc. - Manual

OPTIONAL EQUIPMENT

- USB camera High stand [2] (18.166.022)
- USB camera Low stand [3] (18.166.018)
- Trolley for monitors [4] (18.166.017)
- Podium with handrail [5] (18.166.024)



In the software you can also find six different exercises:

Exercise name	Rehabilitation goals
March and jump	Reeducation of gait and dynamic tasks i.e. jump, neuromuscular coordination characters (reaction time, sensory differentiation)
Roll the ball	Balance and rhythms training
Ski jumping	Training of: dynamic tasks (jump), balance and sensomotor control
Motor boats	Weight distribution and reaction time training
Ball sorting	Weight distribution, reaction time and stimulus reaction training
Skipping-rope	Training of: dynamic tasks (jump), reaction time, rhythms

