

Innovation in Action

A product of BFMC in co-operation with the Research Institute for Applied System Safety and Industrial Medicine Ltd, Mannheim, and Centre of out-patient treatment therapy Germany, Bad Nauheim

BIOFEEDBACK MOTOR CONTROL®

BACK POWER CONTROL Pegasus

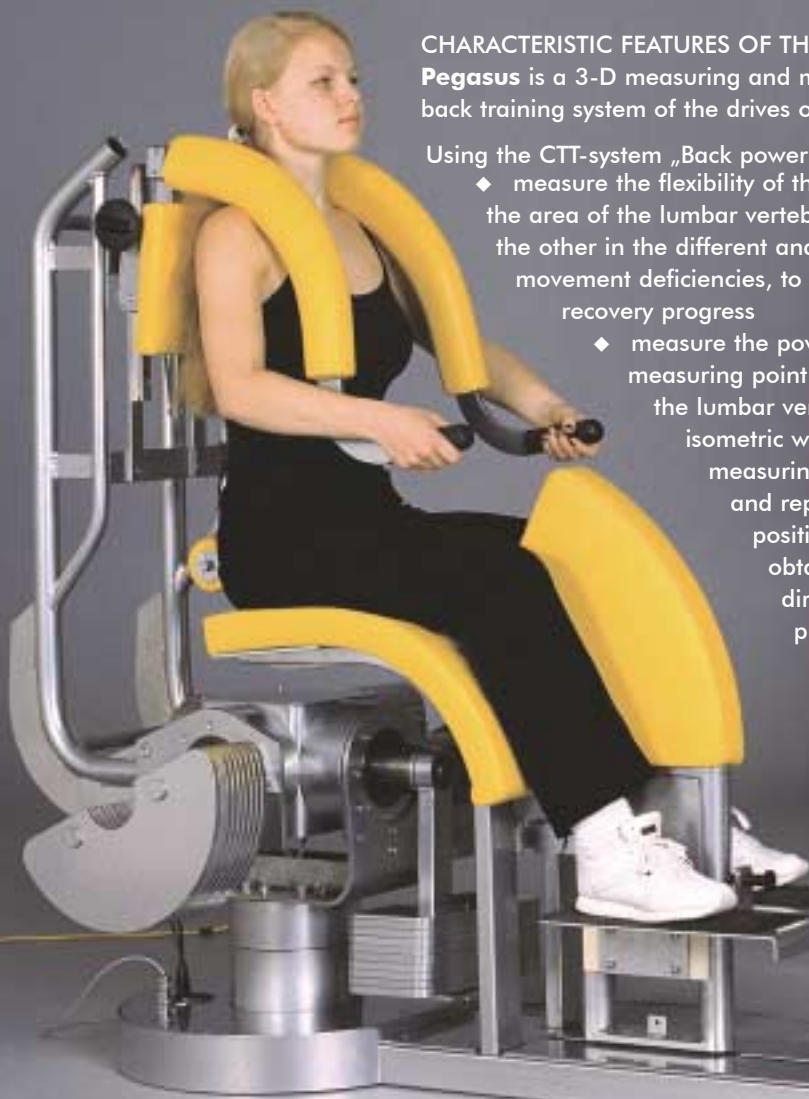
CHARACTERISTIC FEATURES OF THE SYSTEM

Pegasus is a 3-D measuring and movement simulating test and biofeedback training system of the drives of the human spinal column joints.

Using the CTT-system „Back power control" it is possible to

- ◆ measure the flexibility of the spinal column, especially in the area of the lumbar vertebrae, simultaneously or one after the other in the different anatomical planes, to objectify possible movement deficiencies, to define treatment aims and to monitor recovery progress
- ◆ measure the power development in any desired measuring point in each anatomical plane of the lumbar vertebra joint activity under isometric working conditions. Additionally the measuring points can be set as often as desired and reproduced precisely, the measuring positions can be fixed and the values obtained in the chosen effective directions can be monitored and presented as power curves.

Movement and power feedback information can be used to perform a specific training of the sensorimotor systems of the lumbar vertebra activity of the joints under isometric and auxotonic working conditions with the aim to reduce possible muscular losses and muscle dysbalances and deficiencies and to regain the natural flexibility and a maximum load tolerance of the spinal column in this area.



CTT- Computer-aided test and training system

BFMC
BIOFEEDBACK
MOTOR CONTROL
GmbH

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New



REPLY POSTCARD

CTT- Computer-aided test and training system

Pegasus



Bio Motor Control-Software Pegasus

Performance features

- ◆ Support of the patient/machine interface
- ◆ Transformation of the machine axis co-ordinates to the lumbar vertebra column axis of rotation of the patient
- ◆ Support of planning and implementation of reproducible test and training conditions to
 - Determine power profiles of the motor activity of the lumbar vertebra column (simultaneously and one after

- the other) in sagittal, frontal and traversal plane of four selected angles per function plane.
 - Determine movement profiles in sagittal, frontal and traversal plane
 - Perform biofeedback training of the lumbar vertebra column's motor activity under isometric and auxotonic working conditions
- ◆ Monitor test and training results and their graphical presentation.

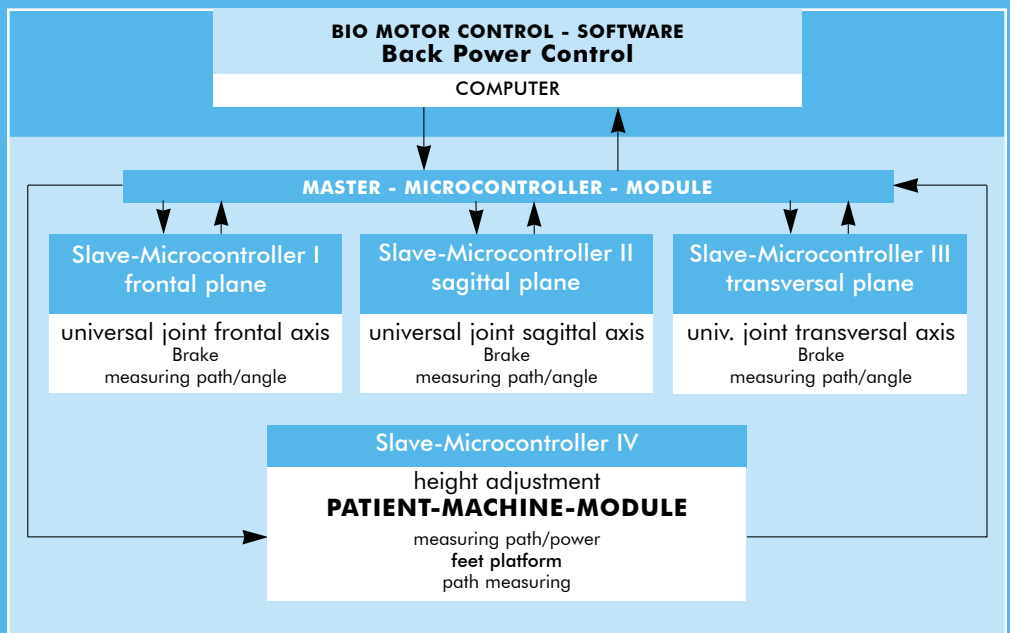
Pegasus has been developed to ensure movement and power diagnostics of the motor activity of the spinal column and a highly specific and efficient functional training within the framework of medical training therapy and prevention.

Fields of application

- ◆ Orthopaedics and Physiotherapy departments of clinics, hospitals and health resorts
- ◆ Rehabilitation clinics
- ◆ Factory clinics and ambulance stations
- ◆ Career guidance and education centres
- ◆ Medical research institutes
- ◆ Industrial medicine
- ◆ Health centres of insurance companies
- ◆ Physical fitness and prevention centres
- ◆ Leisure time sports advisory centres
- ◆ Training centres in competitive sports

We reserve the right of technical modifications.

BFMC BIOFEEDBACK MOTOR CONTROL BACK POWER CONTROL Pegasus



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I AM INTERESTED IN YOUR OFFER

I would like to know more about the Back Power Control Pegasus, please call me.

Please send an offer including financial conditions.

My telephone number: _____

Name: _____

Company: _____

PLEASE POSTAGE ENOUGH

BFMC

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