

B F M C

**BIOFEEDBACK
MOTOR CONTROL
GmbH**

PEGASUS

Product Information



PEGASUS



CTT Pegasus

The measurement and movement simulator for test and training of the spine and back musculature

Power and Mobility: Measured precisely, strengthened specifically 1/2

The complexity of the back requires an equally complex system for the precise diagnosis and treatment of back problems. These requirements are ideally met by the computer-supported test and training system (CTT) PEGASUS in a very time-efficient way. The range of motion and the strength profiles of the spine-stabilizing musculature are measured in all anatomical main plains. Thus mobility and strength deficits and imbalances are identified.



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Power and Mobility: Measured precisely, strengthened specifically 2/2

On the basis of these results a specific, highly efficient training (maximum strength, strength endurance, strength coordination and mobility training) of the sensomotor systems of the lumbar spine can be created. Thereby existing muscular imbalances and performance deficits are eradicated and the natural mobility and resilience of the spine reestablished and retained.



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Diagnosis and treatment of the thoracic and lumbar spine motor function

- Measurement of the range of motion of the spine to objectify existing deficits of the range of motion, define treatment targets and document the recovery progress
- Measurement of the exertion of strength in any measuring point of the anatomic planes of the thoracic and lumbar spine segments
- Execution of a specific training (treatment) of the sensomotor systems of the thoracic and lumbar spine joint motor function under isometric and isotonic (auxotonic) working conditions
- Only 15 minutes: A complex test for the identification of functional imbalances and deficits only takes 15 min, as does a complex training of the spine-stabilising musculature



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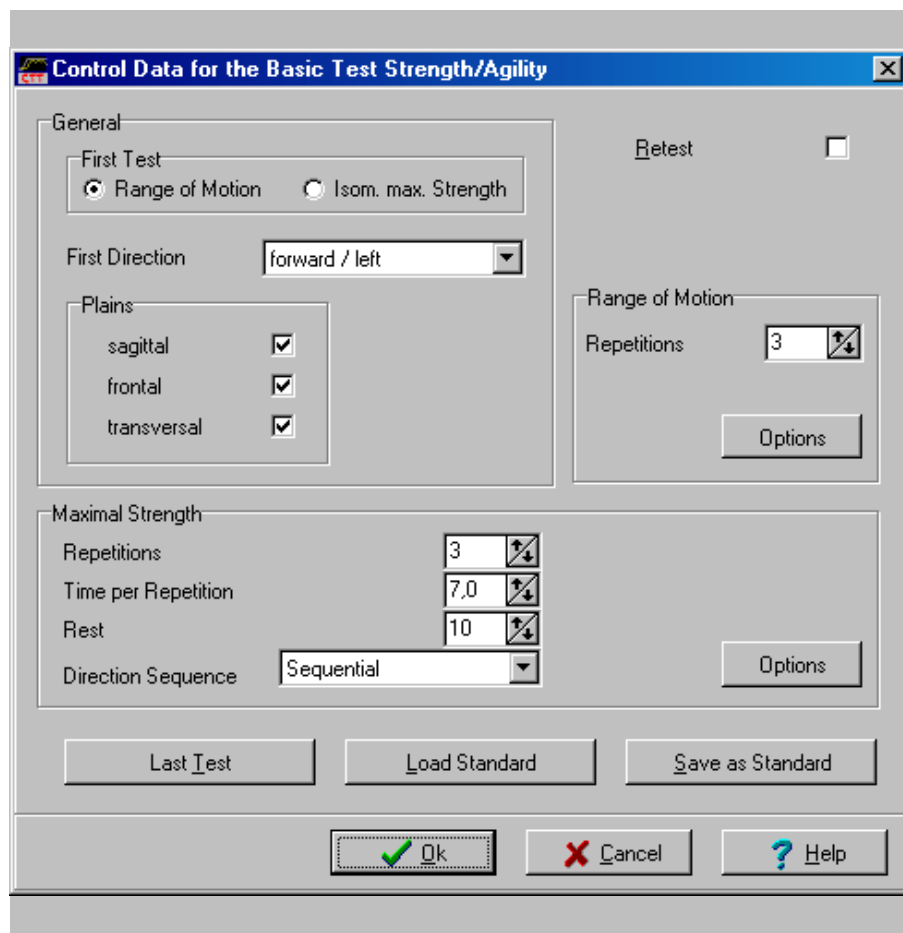


Indications

- Vertebral syndromes with advanced symptoms: prolapsed vertebral disc (including post-operative) and protrusions beyond the acute stage / degenerative changes / cases of spondylolysis and spondylolisthesis / vertebral injury in the context of conservative or post-operative treatment / Recurring vertebral disc complaints with substantially reduced working capacity
- Functional back pain with or without degenerative changes
- Spinal muscular deficits and/or imbalances



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Application Software BioMC for Pegasus

1. Device Control

- Fast execution of a basic test of the range of motion and of the isometric maximal strength in the sagittal, frontal and transversal plane for diagnosis of imbalances (comparison of opposing directions) and deficits (comparison of measured values and reference values)
- Customizable tests of the range of motion and the maximum strength in any plane or direction
- Training for treatment of imbalances and deficits

2. Operator Management

- Password protected patient data with variable operator rights for different operator groups



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A screenshot of a software window titled "Enter Data for a new Patient". The window has a blue title bar and a grey background. It contains several input fields and buttons. The "Patient" tab is selected, showing fields for Patient Number, Name (Mustermann), First Name (Max), Date of Birth (12.03.1966), Place of Birth, Sex (Male selected), Height (170 cm), and Weight (70,00 kg). There are also fields for Password and Password Confirmation. At the bottom, there are buttons for "Save", "New Patient", "Close", and "Help".

Enter Data for a new Patient

Patient | Address | Additional Information | Treatment

Patient

Patient Number

Name: Mustermann

First Name: Max

Date of Birth: 12.03.1966

Place of Birth:

Sex: Male Female

Height [cm]: 170

Weight [kg]: 70,00

Password

Password: Password Confirmation:

Save New Patient

Close Help

Application Software BioMC for Pegasus

3. Patient Management

- Definite assignment of diagnosis and therapy data
- Comprehensive management of anthropometric and general data

4. Treatment Management

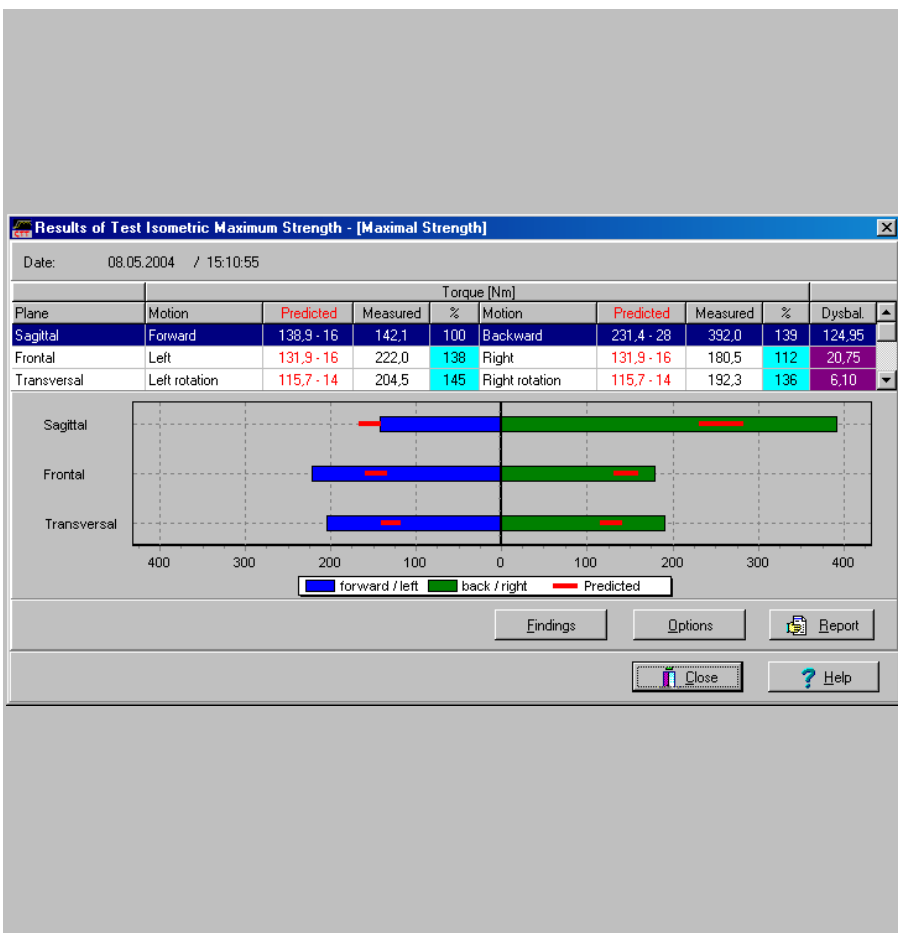
- Management of different treatments including a clear overview for cost documentation

5. Reports

- Adjustable diagnosis and therapy reports (printable) for documentation and archiving



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Application Software BioMC for Pegasus

6. Pretest/Posttest Comparison

- Therapy success clearly visible (result presentation and documentation)

7. Training progress

- Therapy progress clearly represented

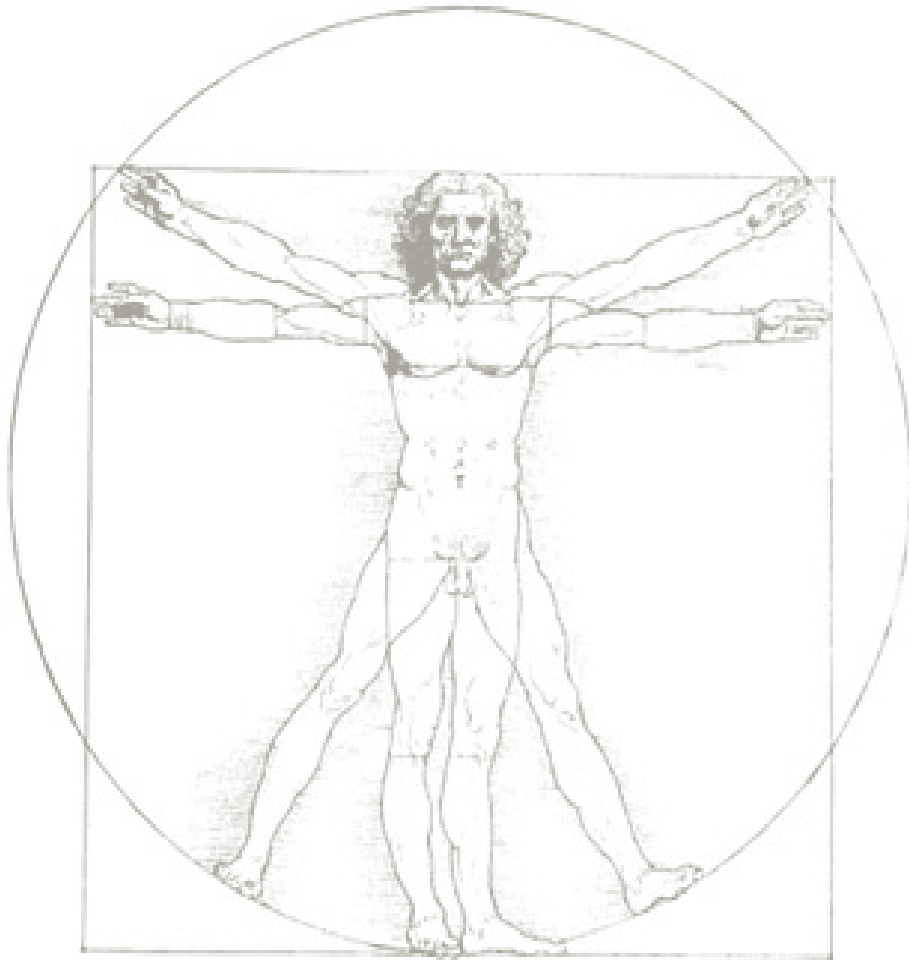


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CTT Pegasus Product Specifications Dimension and Weight

- Width: 0.60 m
- Depth: 1.40 m
- Height: 1.80 m
- Weight: 330 kg



BFMC

**BIOFEEDBACK
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GmbH**

Naumburger Str. 28

04229 Leipzig

Germany

www.bfmc.de