

Innovation in Action

BIOFEEDBACK MOTOR CONTROL® SHOULDER JOINT SIMULATOR **Ikarus**

SYSTEM FEATURES

IKARUS is a 3-D measuring and movement simulation test and biofeedback training system for the human shoulder joint.

Using the shoulder simulator it is possible to

- ◆ measure the flexibility of the shoulder joints left/right simultaneously or one after the other in the different anatomical planes
- ◆ measure the power development in any desired measuring point of each anatomical plane of the shoulder joint. 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 memorised and presented as power curves.

Movement and power feedback information can be used to perform a specific training of the sensomotor systems of the shoulder joint under auxotonic and isometric working conditions.



CTT- Computer-aided test and training system

New

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BIOFEEDBACK MOTOR CONTROL®
SHOULDER JOINT
SIMULATOR **Ikarus**

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BIOFEEDBACK
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REPLY POSTCARD

CTT- Computer-aided test and training system

Ikarus



IKARUS has been developed to ensure movement and power diagnostics of the shoulder joint 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

Bio Motor Control-Software IKARUS

Scope of performance

- ◆ Support of the patient/machine interface
- ◆ Transformation of the machine joint into shoulder joint co-ordinates of the patient
- ◆ Support planning and implementation of reproducible test and training conditions to
 - Determine power profiles of the shoulder joint (left/right, simultaneously and subsequently) in sagittal, frontal and medium plane of four selected angles per functional plane.

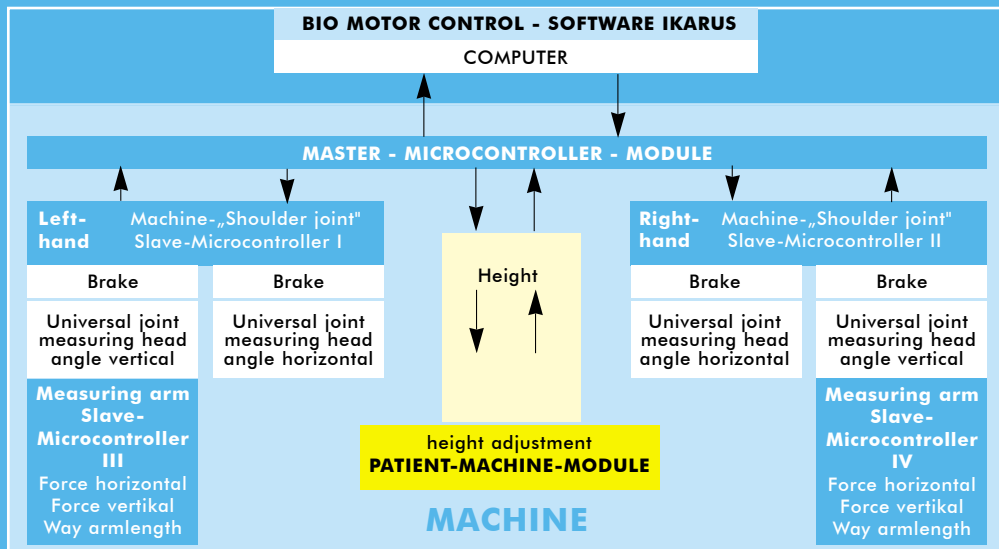
- Determine movement profiles in sagittal, frontal and medium plane
- Perform biofeedback training of the shoulder joint under auxotonic and isometric working conditions.

- ◆ Monitor test and training results and their graphic presentation.

We reserve the right of technical modifications.

BFMC
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BFMC BIOFEEDBACK MOTOR CONTROL SHOULDER JOINT SIMULATOR **Ikarus** GmbH



BFMC BIOFEEDBACK MOTOR CONTROL GmbH, Naumburger Straße 28, D-04229 Leipzig, Fon: 0341/497 85 71, Fax: 0341/497 85 69

I AM INTERESTED IN YOUR OFFER

I would like to know more about the shoulder joint simulator Ikarus, please call me.

Please send an offer including financial conditions.

My telephone number: _____

Name: _____

Company: _____

PLEASE
POSTAGE
ENOUGH

BFMC

**BIOFEEDBACK
MOTOR CONTROL GmbH**
Naumburger Straße 28

D - 04229 Leipzig
Germany