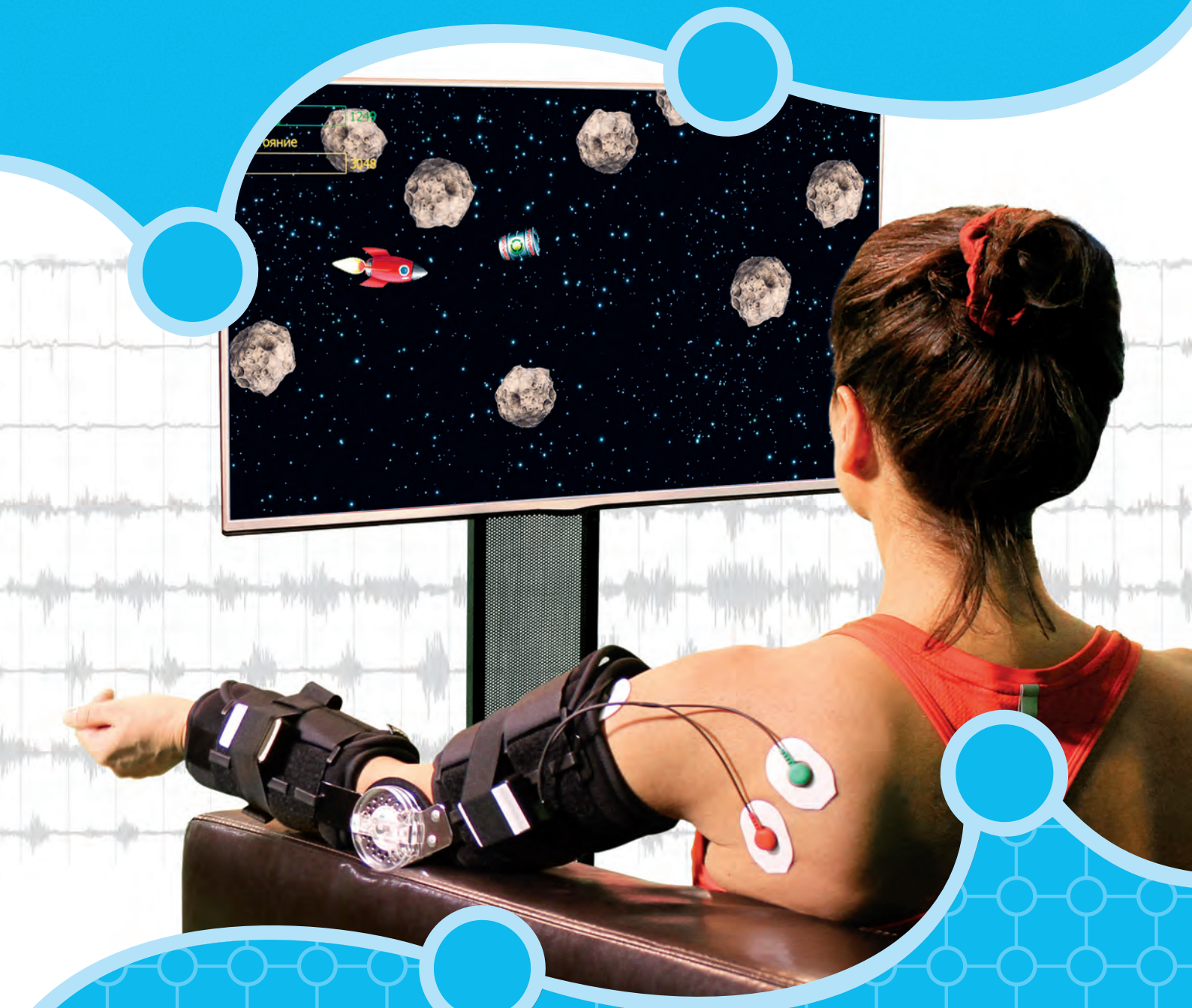
Neurocor

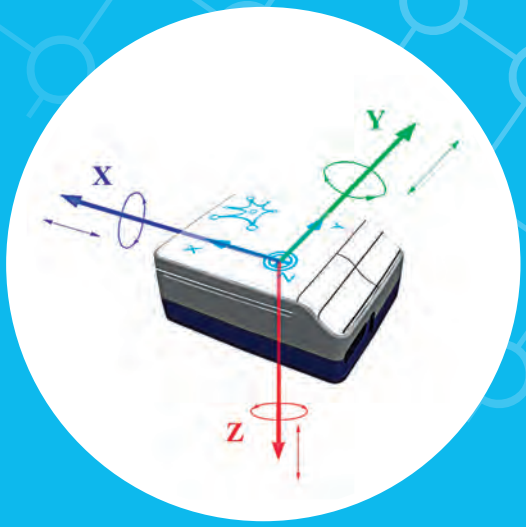
Trust-M BFB Training Device for Rehab



The system for muscle training and contracture management through rehabilitation exercises and biofeedback

TRUST-M BFB TRAINING DEVICE FOR REHAB

BFB Training Device for Rehabilitation Exercises with biofeedback is designed to restore locomotor functions through rehabilitation exercises involving exercise monitoring via biomechanical sensors.



APPLICATION

- **Neurology** – paralysis, muscle contractures, conditions after a stroke.
- **Traumatology/orthopedics** – to restore joint mobility after prolonged immobilization of the limbs, joint injuries, fractures, osteosynthesis, endoprosthesis; to restore and train tendons for post-surgery joint development.
- **Rehabilitation exercises** – ncrease motivation to exercise, control of proper performance of exercises.
- **Cardiology** – after myocardial infarction.
- **Sports/fitness** – control of proper performance of exercises.

ADVANTAGES

- Stand-alone biomechanical sensors for recording motion parameters with EMG and FES functions.
- No special requirements for facilities, suitable for home use.
- Ability to combine with orthoses and training machines.
- Availability of modification for recumbent patients with the ability to use a VR helmet.
- Track movements in 3 planes.
- Rehabilitative management of joint contractures in 3 axes of rotation.

MAIN TECHNICAL CHARACTERISTICS

Number of channels for recording movements in one complex	1-64
Record movements and rotations in 3 axes	Available
Sampling frequency	Minimum 1000 Hz
Biomechanical sensor overall dimensions	Maximum 63 x 38 x 20 mm
Sensor battery life	Up to 6 hours without recharging
Type of sensor connection to the PC	Telemetry
Training Techniques for BFB Rehabilitation Exercises	“joint rotations”, “cyclic movements”, “symmetrical movements”
BFB EMG game content visualization	PC monitor, projector, TV, wearable VR helmet
Mode for viewing and analyzing the training results	+
Database of trainings and patients	+

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