

# EMG APPLICATIONS - ME6000 BIOMONITOR



## Rehabilitation

- ✓ Basic Analysis
- ✓ Follow-up
- ✓ Activation Order
- ✓ Muscle Work
- ✓ Side Differences
- ✓ Isokinetic Systems

## Sports

- ✓ Targeted Training
- ✓ Slope Analysis
- ✓ Field Testing
- ✓ Power Production
- ✓ Endurance
- ✓ Video EMG
- ✓ Other Sensors



## Occupational Biomechanics

- ✓ Ergonomics Advising
- ✓ On-site Measurements
- ✓ Low Back Pain Evaluation
- ✓ Work Task Analysis
- ✓ Long Term Measurements
- ✓ Video EMG

## Dynamic Tests

- ✓ Functional Tests
- ✓ Field Tests
- ✓ Video EMG
- ✓ Multichannel Analysis
- ✓ Other Sensors



## Gait Analysis

- ✓ Video EMG
- ✓ Goniometers and Foot Switches
- ✓ Gait Patterns
- ✓ Activation Order
- ✓ Force Plates
- ✓ Motion Analysis

## Exercise Physiology

- ✓ Targeted Training
- ✓ Motor Learning
- ✓ Teaching Muscle Functions
- ✓ Video EMG



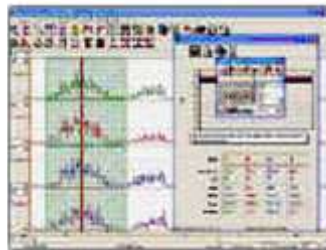
## Military Applications

- ✓ Targeted Training
- ✓ Motor learning
- ✓ Teaching muscle functions
- ✓ Video EMG

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## Basic Analysis

- ✓ Visual, Statistical
- ✓ Zoom, cursor
- ✓ Signal overlap

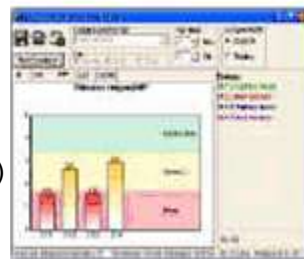


## Symmetry

- ✓ Activation Order
- ✓ Side Differences, Left/Right
- ✓ Injured/Normal Muscles

## Fatigue Analysis

- ✓ Muscle Fatigue
- ✓ Reference data
- ✓ Spectrum Parameters (FFT)



## Neurology

- ✓ Stroke Patient Rehabilitation
- ✓ Nerve Conduction Velocity
- ✓ Fine Wire / Needle Electrodes

## Video EMG

- ✓ Dynamic tests
- ✓ Real time measurements
- ✓ Field measurements
- ✓ Fully synchronized
- ✓ Snap shot window
- ✓ Video reports



## Goniometers and Torsimeters

- ✓ Force
- ✓ Accelerometers
- ✓ Heart rate
- ✓ ECG
- ✓ Foot switch
- ✓ Tidal volume
- ✓ Isokinetic systems