Reaction Time™ SUITE

Revolutionizing Continuous Performance Testing and Training

TIME-LOCKED EEG, HRV AND PHYSIOLOGY DATA

REAL SPORTS PEAK PERFORMANCE

EMG-TRIGGERED RESPONSES

UNPRECEDENTED ACCURACY

A New Dimension in Continuous Performance Testing

Thought Technology's Reaction Time Suite features continuous performance testing (CPT) in parallel with EEG and peripheral physiology.   Functionality ranges from very simple to highly advanced.
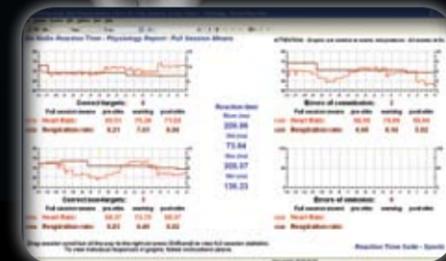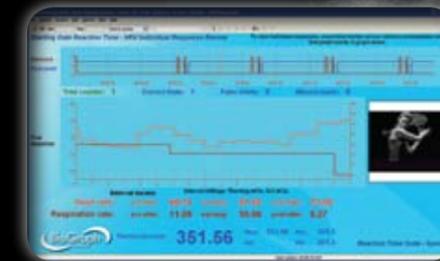
- Includes single, variable and choice protocols
- Computes reaction time statistics with simultaneous EEG, HRV and physiology
- Data is time-locked to CPT events to allow comparisons of individual or group averaged EEG, HRV and physiology data between correct and incorrect responses
- Provides trends of reaction time statistics in parallel with physiology
- Includes training screens
- Features integrated webcam on most screens and frame by frame review functionality

Review & Report

Presentation Flexibility:
- Audio, visual or mixed stimuli
- Generic, non-text images in color or black & white
- Simple graphic user interface: right click to change
- Includes industry-standard IVA® and TOVA® images, and many others to choose from

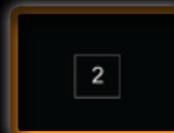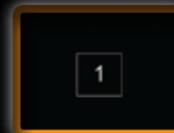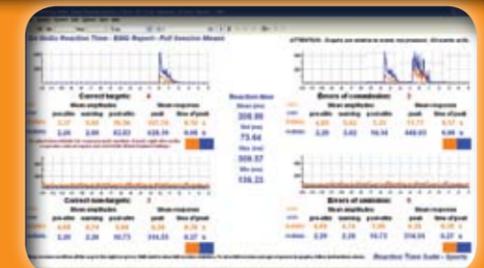# Revolutionizing Sports Reaction Time Assessment

Practice has evolved

- Train reaction time using real-world sports scenarios: baseball, soccer, tennis, ice hockey, track & field and more
- Aim for faster starts, more accurate penalty kicks, higher batting averages, better serve returns and higher faceoff percentages
- Analyze EEG, HRV and physiology from single trials or view averages grouped by event type

The first of its kind: EMG-triggered responses.
- Respond with activation of relevant muscle groups
- Start with push button or foot pedal and evolve to EMG responses to bring athletic training to the next level
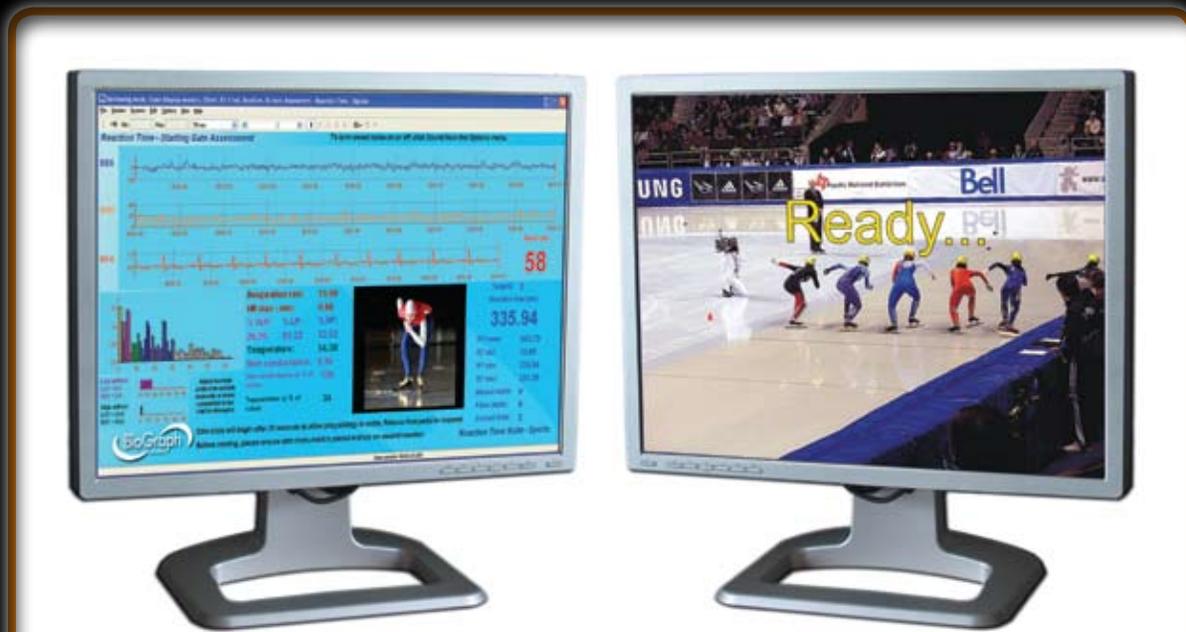- View average EMG responses to compare success and error profiles

Features

Unprecedented accuracy with TT-AV Sync

- Audio and visual stimuli timing measured with TT-AV Sync device for maximum accuracy
- Software-based reaction time systems introduce random and hidden timing errors. Our system, based on TT-AV Sync hardware, guarantees 0.5 ms accuracy*
- Use with push buttons, foot pedal and even raw EMG

BioGraph Infiniti version 5.1 — primed for Reaction Time!

- All protocol types available: single, variable, choice and custom sports protocols
- Right click options for quick selection of stimuli
- Integrated webcam with frame by frame review functionality
- Pre-programmed Quick Starts for one-button session start
- Easy trend reports of mean reaction time and other statistics

"The ability to react quickly is essential to peak performance - whatever your sport.   If you can increase your reaction time more rapidly than your competitors, you get an incredible performance advantage. In this way, reaction time training will maximize your athletic potential."

Pierre Beauchamp, PhD
Mental Performance Consultant
Short Track Speed Skating Canada