

... The Total Solution in Motion Capture

The MotionMonitor Newsletter, Summer 2020

Overcome COVID Limitations With Flexible Solutions from The MotionMonitor



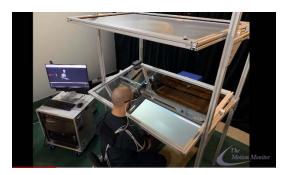
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Transition from a lab environment to teaching from home or conducting research out in the field with The MotionMonitor's portable solutions. Portable technologies such as force plates, EMG, motion capture, can be used to support remote learning and data collection outside the lab. See an example of an outdoor data collection here.

Already collected data? Get more out of existing data sets with The MotionMonitor's advanced analysis capabilities. **Reexamine** data to answer different research questions using our list of ever-growing operators. Recent operators that we've added include: sample entropy, fractal dimensions, energetics & more! You just need a C3D file or previously collected activity files from The MotionMonitor.

Customized Solutions for Any Application! A Few Examples Below...

We've been keeping busy during the lockdown! Check out recent videos we've uploaded demonstrating different applications that The MotionMonitor can be used for. We frequently add to our video library! See our YouTube channel using the button below & don't forget to subscribe so you can keep up to date!



Immersive Display with Virtual Reality

Motion tracking hardware are attached to an item in order to perform 6 degrees of freedom tracking.



Ergonomic & Systems Engineering Applications Here, a guitar is digitized and tracked in 30 space. Having the risual reference and data allows the researcher to observe and measure he musician's movement relative to the guitar.



Inertial Sensors for Baseball Swing Analysis



IMU & Force Plate data will

be synchronously collected with immediate playback of the swing & display of data analysis within The MotionMonitor.

> IMUs and Co-located Eye Tracking

The MotionMonitor YouTube Channel

COVID-19 and Equipment Cleaning



In our recent blog post we discuss proper cleaning and sanitizing methods for lab equipment, as suggested by the hardware manufacturers. You can read our new blog post <u>here</u>.

If you have any suggestions as to how your lab is handling new regulations we would love to hear from you!

Client Spotlight : Pete Pidcoe



Pete began using The MotionMonitor in 1998 and has continued to use The MotionMonitor for various projects, combining his engineering and clinical backgrounds. His clinical practice is in orthopedics and the VCUHS out-patient clinic. He is the director of the Engineering and Biomechanics Lab which blends students from engineering and physical therapy to work on projects that link engineering principles with physical therapy treatment and human performance measures.

Learn more about Pete's research with The MotionMonitor <u>here</u>.



Innovative Sports Training, Inc. is the developer of **The MotionMonitor** real-time biomechanics software package. We provide custom configured systems including hardware, software and application support in a turn-key package. Or, we also offer **The MotionMonitor** software to integrate with existing supported hardware.

Visit our <u>What We Do web page</u> to learn more.

Contact Us:

Santiago, we want to hear from you! Please feel free to share with us your experiences, ideas for new projects, or suggestions for further improvements to *The MotionMonitor*! Give us a call or send us an email today.

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