

# **Mississippi State University**

## **Notice of Proposed Sole Source Purchase**

**256-004**

Mississippi State University anticipates purchasing the item(s) listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

1. Commodity or commodities to be purchased (make, model, description):

- The Motion Monitor Package with support for existing MAC Camera system, AMTI AccuGait Force plates, AMTI BMS600600 Force Plates and Noraxon EMG:
- The MotionMonitor xGen Data Acquisition, Visualization and Analysis Software (1 License)
- The MotionMonitor Real-time plug-in, integration, and support for MAC Cortex
- The MotionMonitor Real-time plug-in, integration, and support for AMTI AccuGait Force plates (analog integration) and Ground Force Module
- The MotionMonitor Real-time plug-in, integration, and support for AMTI BMS600600 Force plates (digital integration) and Ground Force Module
- The MotionMonitor Real-time plug-in, integration, and support for Noraxon EMG (digital integration)
- Pre-defined Optical Stylus
- Pre-defined Full Body Marker Cluster Set
- The MotionMonitor Jump Application (Predefined application for jump assessment), includes Configuration and Setup of AMTI BMS600600 Force plates with the Jump Application
- 3 Remote Analysis Licenses for playback and processing of The MotionMonitor activity files
- IST's Maintenance, Subscription and Support Program for 1st year
- Web-based Training and Support for Integrating Existing Hardware
- Shipping and Handling Integrated Components with The MotionMonitor Base Station:
  - (2) A/D Device for up to 16 Channels of analog input via BNC (1 A/D Device will be used for interfacing the AMTI AccuGait Force plates)
  - Handheld Event Marker for use as "OK" button through setup dialogs; event marker; recording trigger; and 3rd party synch pulse
  - Motion Analysis Corporation components: (6) Kestrel Plus 300 Cameras with cables, tripods heads and clamps; (3) Dual Splitter cables; (1) Network Switch; (1)

Cat5e cable to daisy chain switches; Cortex Software Upgrade (Master License); and Additional Cortex Software License (Post License

2. Explanation of the need to be fulfilled by this item(s), how is it unique from all other options, and why it is the only one that can meet the specific needs of the department:

The Neuromechanics Laboratory housed in the Department of Kinesiology at Mississippi State University has a variety of equipment including a motion capture system, force plates, and EMG system. The MotionMonitor allows for the integration of all this equipment so data can be collected and analyzed synchronously between multiple different systems. The MotionMonitor system will also allow for faster processing time of the data collected in the laboratory. A portion of this quote also includes 6 new Kestrel Plus 300 cameras which will be integrated with the current 10 Kestrel cameras in the Neuromechanics laboratory. To summarize the needs that will be fulfilled by these items, it will enhance the current data collection capabilities in the Neuromechanics laboratory by adding six additional cameras, allow for the integration of the motion capture system (cameras), force plates, and EMG system, and also allow for a shorter (faster) post processing time and data analysis. To our knowledge, there is not another company or system that can provide all of these capabilities. This will allow for expanded research and teaching capabilities within the Neuromechanics Laboratory.

3. Name of company/individual selling the item and why that source is the only possible source that can provide the required item(s):

MotionMonitor. This is the only company that can integrate all of the above equipment with the current equipment in the Neuromechanics Lab.

4. Estimated cost of item(s) and an explanation why the amount to be expended is considered reasonable:

\$57,095

The cost of the software and additional equipment (cameras) is comparable to other software and cameras that would have to be purchased separately.

5. Explanation of the efforts taken by the department to determine this is the only source and the efforts used to obtain the best possible price:

The Department of Kinesiology has conducted a thorough evaluation of available systems and determined that MotionMonitor can meet the department's stringent scientific, operational, and instructional requirements.

- **Internal System Consistency:** The department and Neuromechanics Laboratory currently uses two AMTI force platforms, a motion analysis motion capture system, and Noraxon EMG system. The MotionMonitor will allow for the integration of these systems and upgrades to the current equipment now and in the future.
- **Direct Vendor Communication:** MotionMonitor is the exclusive manufacturer and distributor of the MotionMonitor system described above. The department has engaged directly with MotionMonitor to confirm system capabilities and proprietary components.
- **Negotiated Pricing:** The department is working with MotionMonitor to purchase the most recent model.
- **Long-Term Cost Savings:** Thanks to system durability, long-lifespan sensors, and shared parts with the current units, the department anticipates reduced long-term maintenance and calibration expenses compared to other systems. This system will also allow for upgrades and the additional equipment in the future.
- **Integration:** The MotionMonitor system will integrate with the laboratories current motion capture system, force plates, and EMG system.

The decision to proceed with a sole source purchase is justified by MotionMonitor's exclusive rights to produce and sell the MotionMonitor Package with support for existing MAC Camera system, AMTI AccuGait Force plates, AMTI BMS600600 Force Plates and Noraxon EMG and alignment with the Neuromechanics laboratory and department's research, teaching, and equipment integration needs.

Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity shall submit a written notice to:

Jennifer Mayfield, CPPO  
Interim Deputy Director of Procurement & Contracts

[jmayfield@procurement.msstate.edu](mailto:jmayfield@procurement.msstate.edu)

Subject Line must read "Sole Source Objection"

The notice shall contain a detailed explanation of why the commodity is not a sole source procurement. Appropriate documentation shall also be submitted if applicable.

If after a review of the submitted notice and documents, MSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then MSU will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity to an advertised competitive bid or selection process.

If MSU determines after review that there is only one (1) source for the required commodity, then MSU will appeal to the Public Procurement Review Board. MSU will have the burden of proving that the commodity is only provided by one (1) source.

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