

# UNIVERSITY OF MISSISSIPPI

## Notice of Intent to Certify Sole Source

# SS 299

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

**Commodity or commodities to be purchased (manufacturer, model, description):**

Proteus Motion 2.0 System

**The need to be fulfilled by this item(s) and why it is the only one that can meet the specific needs of the department:**

The Proteus Motion 3D Resistance Platform is an advance resistance training system and combines state-of-the-art hardware and software used to capture movement and measure strength in 3 dimensions, the same way a human moves. The Proteus unit is the only one of its kind that addresses all the needs for our research evaluation. 3D Resistance™ mirrors every movement to provide constant resistance no matter what direction you move. With cable machines and free weights, it is impossible for resistance to stay constant throughout an entire movement unless you are moving in a straight line. Proteus Motion's patented 3D resistance provides constant resistance in all directions in order to accurately measure strength and power though the spectrum of human movement. This system is the only 3D resistive non cabled system that is fully integrated to and compatible with our existing Lab EMG and Motion Capture system. The system is a plug and play to all our existing lab capabilities and software integrated systems. Strength is the ability to move against resistance but to accurately quantify it, that resistance must be constant. Proteus Motion's patented 3D resistance provides constant resistance in all directions in order to accurately measure strength and power though the spectrum of human movement. As patented intellectual property, The Proteus Motion 3D Resistance™ Platform and resulting data and analytics reporting, is unique and not available for use or purchase by any other company or with any other product. The Proteus system conducts a full body power test by guiding athletes through a series of 15 exercises. Evaluations are administered in under 5 minutes. Trainers use the results to get a read on an athlete's strength and power attributes and to tailor training programs aimed at bolstering specific weak spots. The machine itself can also be used to work on those inefficiencies especially if they are related to strength and power development. The analytics report provided after a session with the Proteus removes the guesswork out of training and provides tangible information to coaches and athletes as to strengths, weaknesses and new opportunities for an improved training program, ultimately leading to improved performance and a more competitive athlete. Additional unique advantages to training with the Proteus System • Greater Muscle Activation: Proteus provides constant and consistent resistance throughout the entire range of motion unlike other strength equipment. This can result in greater muscle activation during the exercise

- **Less Soreness:** This type of resistance also eliminates the eccentric portion of the exercise. Without getting too technical, this is the part of the exercise that typically results in post exercise soreness. While soreness isn't always bad, there may be times of the training year where we will want to limit this such as in season. Proteus allows you to still train hard without the negative side of soreness and good recovery.
- **Low Impact:** Another excellent benefit of this system is that it is low impact. As mentioned above, the resistance feels similar to the resistance created moving through water, another low impact form of exercise. This makes Proteus a good option for all age ranges from juniors to seniors. The resistance can also be adjusted from 1-35 pounds, allowing you adjust the intensity of the exercise.
- **Data Collection and Storage:** Every user of the Proteus system has their own profile. The system will track and save your results from every exercise you perform allowing you to assess your progress and also gives immediate feedback on each repetition.
- **3D Resistance:** Proteus allows you to train in any direction, meaning that there are endless possibilities for training.

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

As patented intellectual property, The Proteus Motion 3D Resistance™ Platform and resulting data and analytics reporting, is unique and not available for use or purchase by any other company or with any other product. Proteus® Integrated patented hardware and software solution provides measurement, assessment and data that are conducted real time resulting in the following:

- Determine specific exercises, resistance levels, speed to optimally train
- Validate performance improvements
- Diagnose performance issues and personalize training programs
- Identify injury risks
- Determine readiness to return to play or work
- Engage users, create competitions

It is the only systems on the market and patent protected that is an advance resistance training system and combines state-of-the-art hardware and software used to capture movement and measure strength in 3 dimensions, the same way a human moves. Our lab has investigated all air driven and electric driven free motion strength and mobility testing systems for the development of functional strength and rotation. The Proteus unit is the only one of its kind that addresses all the needs for our research evaluation. 3D Resistance™ mirrors every movement to provide constant resistance no matter what direction you move. With cable machines and free weights, it is impossible for resistance to stay constant throughout an entire movement unless you are moving in a straight line.

**Why the amount to be expended for the commodity is reasonable:**

The system is a state-of-the-art computerized measurement and evaluation system. If we were to acquire and modify systems to result in the same testing and evaluation computerized systems, the integrated parts would be >\$150,000 and take years of development. The amount of technology and integration that goes into this system is unparalleled.

**Efforts that the agency went through to obtain the best possible price for the commodity:**

Over the course of the past year, we have investigated nearly all the technology to outfit our rotational dynamics and human performance lab. We have visited trade shows, vendor demonstration and inquired to nearly all vendors of all types of technology. We have been working on and evaluating Proteus for nearly a year and have exhausted all the research needed

to justify the system in our labs pipeline.

## **Submission Instructions and Format of Response from Objecting Parties:**

**Interested parties who have reason to believe that the item(s) above should not be certified as a sole source should provide information in the following format for UM to use in determining whether or not to proceed with awarding the Sole Source purchase.**

### **1.1 Interested Party Information**

**1.1.1 Contact Name, Phone Number, Address and email address**

**1.1.2 Company Website URL, if applicable**

### **1.2 Objection to Sole Source Certification**

**1.2.1 Interested parties must present specific objections to the Sole Source certification using the criteria listed above.**

**1.2.2 A statement regarding the Interested Party's capabilities as related to this Sole Source Certification Request.**

**1.3 Comments will be accepted at any time prior to Tuesday, January 3, 2023 at 10:00 am (Central Time) to Katherine Jones at [kajones4@olemiss.edu](mailto:kajones4@olemiss.edu) (with Cc: to [purchase@olemiss.edu](mailto:purchase@olemiss.edu)) at The University of Mississippi Procurement Services Department, 164 Jeanette Phillips Drive, PO Box 1848, University, Mississippi 38677. Responses may be delivered by hand, via regular mail, overnight delivery, or e-mail. The envelope or email should reference the sole source number. UM WILL NOT BE RESPONSIBLE FOR DELAYS IN THE DELIVERY OF RESPONSES. It is solely the responsibility of the Interested Parties that responses reach UM on time. Interested Parties may contact Katherine Jones to verify the receipt of their Responses. Responses received after the deadline will be rejected.**

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

**If UM determines after review that there is only one (1) source for the required commodity, then UM will appeal to the Public Procurement Review Board for approval to purchase.**