



Office of Purchasing and Travel
Division of Business and Finance
1400 John R. Lynch Street
Jackson, MS 39217
601-979-0978 www.jsums.edu

**Jackson State University
Notice of Proposed Sole Source Purchase
RFX 3150005289**

Jackson State University anticipates purchasing the items listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

Product Overview:

The XG-System is a low-vibration interface for conducting ultra-low-vibration experiments. This pulley connected to a stand will hold and suspend the instrument to provide low vibration. This instrument will be used for experimental needs for the department.

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

The instrument will utilize a fully motorized transfer station. Lakeshore Cryotronics Inc. has developed customized software to fit the needs of the equipment as well.

Name of company selling the item and why that source is the only possible source that can provide:

Lakeshore Cryotronics, Inc. discussed with the department the exact requirements of the lab supply that will fit the department's needs. This lab supply is a pulley connected with a stand that can hold the instrument needed to be suspended to provide a low vibration. This low-vibration pulley stand is designed for the specific weight of the cryostat that will hold and reduce the vibration from the floor and the vibration produced by the instrument used to pump the cryostat. Lakeshore Cryotronics, Inc. designed this instrument to produce this stand for the required low-vibration measurement the department needs. This instrument can be used with any experiment or equipment used within the department. The company customized an off-the-shelf item to meet the department's experimental needs.

Estimated cost of item and explanation of why the amount to be expended is considered reasonable:

The estimated cost of the equipment is \$99,986.00. This is a custom pulley attached stand, and the vendor priced it accordingly for an academic institution to consider both limited funding while trying to maintain profitability.

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

This low-vibration stand will support the equipment for some experiments conducted at a cryogenic temperature range 4K. This will provide high-quality measurements of the quantum materials proposed to study, and this commodity exactly fits the requirements needed. Electrical and optical transport measurements are two sets of experiments needed to conduct these experiments. In this custom-made setup, the customer requested the vendor combine both options to minimize the cost, which may need to purchase two pieces of equipment.

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:

Kimberly R. Harris, CMPA, MHSA
Director of Procurement Services
Jackson State University
kimberly.r.harris@jsums.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, JSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then JSU 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.