

April 28, 2011

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF GENERAL SERVICES  
DIVISION OF PURCHASING AND SUPPLY  
SPECIFICATIONS FOR COORDINATE MEASURING MACHINE AND ACCESSORIES**

**PURPOSE:**

The purpose of this specification is to establish a purchase requirement for a coordinate measuring machine for use by Virginia State University (VSU), Agencies, and other Public Bodies of the Commonwealth of Virginia, for instructional use.

The following specifications describe the minimum requirements for the equipment, and are intended to define the general description, and minimum level of quality and performance of the requested product, and are meant to be met or exceeded. The specifications are not meant to be restrictive as to brand name or manufacturer. All equipment bid may be the brand name and model, or shall be ***equivalent*** to brand names and/or any other specification elements using the ***Use of Brand Names*** clause (see General Terms and Conditions) in making an equivalence determination

**SCOPE:**

This specification describes a quantity of (1) one coordinate measuring machine capable of supporting the curriculum requirements of the VSU course of learning, and to provide the accessory equipment as indicated, for operation of the machine.

**BIDDER REQUIREMENTS:**

**Bidder must provide with bid complete specifications with information for the coordinate measuring machine offered. This shall include as a minimum, catalogue cuts, machine data explaining features and specifications, and complete information on the software package offered.** Bidders may use the lines in the right column across from specifications to provide clarifying information regarding item equivalence or exceeding equivalence. Bidders shall indicate any deviations with appropriate reasons and documentation. A blank line in the right column indicates bidder compliance with and equivalence to the specification item. All blank lines in the in the right column of the "EQUIPMENT INFORMATION SECTION" must be filled out with appropriate data. Additional technical data may be required during bid evaluation. The Commonwealth reserves the right to obtain technical data and to request clarification when deemed necessary. **Failure on the part of the Bidder to provide all requested documentation may be cause to reject the bid/request as non-responsive.**

Bidder must provide pricing for the basic coordinate measuring machine with all inclusive basic items, and pricing for the complete basic coordinate measuring machine with the motorized probe option, including delivery, at the appropriate "TOTAL PRICE..." line of the specification "PRICING SECTION".

Bidder shall provide delivery time after receipt of order (ARO) on the line opposite "DELIVERY TIME ARO..." in the "PRICING SECTION" of the specifications, for the machine quoted. Delivery is to be made to Virginia State University, Central Receiving, 5755 Myster Macklin Street, Petersburg, VA 23806. Vendor shall be responsible for delivery, setting the machine in place, setting it up, confirming calibration, and demonstrating that it is fully operational in all functions and systems, and calibrated within manufacturer specifications. Delivery must also include demonstration of all machine functions and features for acceptance by authorized VSU

personnel. Vendor shall be responsible for providing training in operation of the machine and accessories, use of the software package, and equipment maintenance for designated Virginia State University personnel.

The product offered in answer to this invitation for bid must be new and unused current production model of the equipment required. No demonstrator or previously used product will be accepted, and offering of such a product will be cause for bid rejection.

Product provided must include the maximum available warranty to provide no-cost protection to the Commonwealth for correction or replacement as needed for defects in manufacturing, assembly, or parts. Provide details of warranty with the bid response, in the space provided. Attach warranty documentation as required for full warranty information.

**SPECIFICATION FOR COORDINATE MEASURING MACHINE AND ACCESSORIES:**

**1: Quantity = (1): Coordinate Measuring Machine:**

ITEM DESCRIPTION	INFORMATION
Hexagon Metrology TESASTAR Micro-Hite 3D DCC coordinate measuring machine or equivalent, with all standard equipment, and the following basic characteristics:	_____
<ul style="list-style-type: none"> <li>• Bridge type configuration, supported on both ends of bridge</li> <li>• Suitable for operation in a controlled workshop environment</li> <li>• Granite table with threaded clamping holes</li> <li>• Measuring range shall be minimum 440mm (17") X-axis, 490mm (19") Y-axis, 390mm (15 1/2") Z-axis</li> <li>• Travel speed 350mm/second, minimum</li> <li>• Vibration isolation pads</li> <li>• Calibration sphere</li> </ul>	_____
Heavy duty machine stand to support main machine	_____
TESASTAR DCC Probe Kit, or equivalent, consisting of the following minimum items:	_____
<ul style="list-style-type: none"> <li>• TESASTAR manual swiveling touch trigger probe, or equivalent</li> <li>• TESASTAR-i repeatable manual index probe head, or equivalent, to allow probe indexing without recalibrating</li> </ul>	_____
Set of connecting cables	_____
Styli Kit, to include the following items, or equivalent, as a minimum:	_____
<ul style="list-style-type: none"> <li>• Straight Stylus 10mmL x 2mm dia.</li> <li>• Straight Stylus 10mmL x 1mm dia.</li> <li>• Straight Stylus 10mmL x 4mm dia.</li> <li>• Straight Stylus 20mmL x 4mm dia.</li> <li>• Extension, Length =10mm</li> <li>• Extension, Length =20mm</li> <li>• Extension, Length =30mm</li> </ul>	_____



