



University of South Carolina
 Purchasing Department
 1600 Hampton Street, 6th floor
 Columbia, SC 29208
 Telephone: (803) 777-4115

Request for Quotation

Page One

THIS IS NOT AN ORDER

Quotation must be received No Later Than:	Send quotation to above address Attention of:	Quotation Number:	Date
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Print company name and address:

Please quote your lowest delivered price of the items(s) listed below. The Purchasing Department reserves the right to reject any or all quotes and to waive any or all technicalities.

1. If an item cannot be furnished, indicate by **NO QUOTE**.
2. All quotes must be signed by the vendor's representative and terms noted, failure to comply with this instruction may result in disqualification of the quote.
3. **FAXED QUOTES ACCEPTABLE.** FAX # (803) 777-2032

Federal I.D. or Social Security No. _____ SC Minority Certification Number (If Applicable) _____

Submitted By (Print Name) _____ Signature _____ Telephone _____

Item No.	Quantity and Unit	Description of Commodity or Services	Unit Price	Total Price

GENERAL CONDITIONS

DEFAULT: In case or default by the Contractor, the University of South Carolina reserves the right to purchase any or all items in default in the open market, charging the Contractor with any additional costs. The defaulting Contractor shall not be considered a responsible bidder until the assessed charge has been satisfied.

All amendments to and interpretation of this RFQ shall be in writing. The procurement officer shall not be legally bound by any amendment or interpretation that is not in writing.

SC/US PREFERENCE: In order to receive the South Carolina/United States made, manufactured or grown end-product preference, you must check the appropriate space (s) provided on the face of the quotation form. This preference does not apply to services.

Any contract entered into by the University of South Carolina or its agencies resulting from this quotation shall be subject to cancellation at the end of any fiscal or appropriated year unless otherwise provided by law.

Payment will be made in accordance with Section 11-35-45 of the South Carolina Consolidated Procurement Code and Disbursement Regulations. Delay in receiving invoices, as well as errors and omissions on the invoices, will be considered just cause for withholding payment without losing discount privileges. The University reserves the right to withhold payment or make such deductions as may be necessary to protect the University from loss or damage because of defective work, claims, damages or to pay for repair of correction of materials furnished hereunder.

Quoted prices must remain firm for a period of thirty days beyond the Request for Quotation deadline. Unit prices will govern over extended prices unless otherwise stated.

The University of South Carolina shall consider payment discounts in the award of this contract when such discounts are for thirty days or more after final inspection and acceptance of contract requirements. Payment discounts for less than thirty days are encouraged but shall not be a factor in award determination. Please state your discount terms using the above referenced information as the University's position on the matter.

All materials and products offered must be guaranteed to meet and comply with the requirements all the specifications, terms and conditions indicated or referred to.

The award will be made in accordance with Section 11-35-1520 of the South Carolina Consolidated Procurement Code.

The University reserves the right to reject any and all quotations and to cancel the solicitation; waive any and all technicalities; the University reserves the right to reject any quotation in which the delivery time indicated to be of substantial length to cause disruption and/or delay in operation for which the item(s) is/are intended; ambiguous quotations which are uncertain as to terms, delivery, quantity or compliance with specifications may be rejected.

The successful contractor assumes sole responsibility and shall hold harmless the University of South Carolina, its directors, officers, employees and agents from and against any and all claims, actions or liabilities of any nature which may be asserted against them by third parties in connection with the performance of the successful bidder, its directors, officers, employees and agents under this agreement. The University of South Carolina agrees to accept responsibility for claims, actions or liabilities resulting from negligent acts of its employees occurring within the scope of their employment which may be asserted against them by third parties in connection with the performance of the University of South Carolina, its members, directors, officers, employees and agents under this agreement.

Contractor agrees not to refer to award of this contract in commercial advertising in such a manner to state or imply that the products or service provided are endorsed or preferred by the user.

Upon award of a contract under this quotation, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina that require such person or entity to be authorized and/or licensed to do business in this State. Notwithstanding the fact that applicable statutes may be exempt or exclude the successful quoter from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed quote, the quoter agrees to subject itself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses or fees levied by the State.

Termination: Subject to the provisions below, the contractor may be terminated for any reason by the University providing a thirty-day advance notice in writing is given to the contractor.

Termination for Convenience: In the event that this contract is terminated or cancelled upon request and for the convenience of the University may negotiate reasonable termination costs, if applicable.

Termination for Cause: Termination by the University for cause, default, or negligence on the part of the Contractor shall be excluded from the foregoing provisions; termination costs, if any, shall not apply. The thirty day advance notice requirement is waived and the default provision in this bid shall apply.

HIPAA Law: The Contractor agrees that to the extent that some or all of the activities within the scope of this Contract are subject to the Health Insurance Portability Accountability Act of 1996, P.L. 104-91, as amended (“HIPAA”), or its implementing regulations, it will comply with the HIPAA requirements and will execute such agreements and practices as the University of South Carolina may require to ensure compliance. Additional information may be viewed at: <http://www.sc.edu/hipaa/>

SPECIAL CONDITIONS

LICENSES, PERMITS, INSURANCE: All costs for required licenses, permits and insurance shall be borne by the Bidder.

The University of South Carolina requires all contractual activities to be performed in a manner that is consistent with all applicable federal, state and local laws, regulations, rules, rulings and ordinances. These include, but are not limited to: the Occupational safety and Health Act, The Environmental Protection Act, The South Carolina Hazardous Waste Management Act.

IMPORTANT – Please Note

Vendors, we **MUST** have your Federal ID # (company) or Social Security # (individual) before processing any invoices for payment. Failure to provide this information will result in delay of payments until this information is received. Please include this information with your quote.

SCOPE OF WORK

The purpose of this solicitation is to acquire services and supplies or equipment complying with the enclosed description and/or specifications and conditions.

This solicitation is for to furnish, equipment, installation and on-site training for a table top atomic force microscope and 15 micron xyz scanner for USC Chemical Engineering department as detailed below.

WARRANTY – STANDARD: Contractor must provide the manufacturer's standard written warranty upon delivery of product. Contractor warrants that manufacturer will honor the standard written warranty provided, minimum of one year.

SPECIFICATIONS

1.0.Video Optical Microscope	
< 2 micron resolution	Required for locating features on surfaces for scanning.
Mechanical Zoom Tube with variable field of view Largest FOV is 2 mm X 2 mm	Essential for locating areas of interest for scanning with the AFM
3MP color CMOS camera	Necessary for accurately visualizing surface features.
Image and Video Capture Software	Store images/videos of the location that where AFM images are measured.
XY video microscope positioning stage	Move video microscope over probes of all sizes and shapes.
Z focus adjustment	Aids in AFM probe approach and looking at samples of several thicknesses.
2.0 Light Lever Force Sensor	
Quadrant Photo-detector	Required for Lateral Force Microscopy.
Course/Fine Photo-detector adjustment	Allows use of probes from many vendors, and necessary for liquid scanning.
Probe Exchange Tool	Facilitates rapid change of probes by advanced and casual AFM operators.
Modular Probe Holder	Allows for adaption to many types of experiments such as C-AFM, and liquid scanning.
Electrical lead to probe	Essential for reducing unwanted probe charging and electrical modes such as C-AFM.
3.0 Linearized Piezoelectric XYZ scanner	
Motion sensors in XY axis	Used for linearizing XY motion to achieve accurate measurements from images. (XY resolution < 0.3 nm)
Z motion sensor	Measure Z step heights accurately. (Z noise < 0.08 nm)
Interchangeable 15 micron scanners	Select scanner that is best suited for an application.
Removable sample holder	Allows adaption for environmental cell as well as conductive AFM.
Secondary Kinematic Sample Holder	Remove background bow from images of ultra flat samples.
4.0 Z Approach mechanism	
Range of 25 mm	Allows scanning of samples as thick as 20mm
330 nm step size	Required for probe approach when doing high

	resolution AFM scanning.
Manual and Software control of Z motion	Both control methods are required for efficient AFM operation.
Linear motion stage	Does not require stage leveling for samples with different sized thicknesses
5.0 Scanning Modes	
Standard software selected modes: Non-Vibrating, Vibrating Phase LFM	Imaging modes may be changed rapidly while scanning samples.
Optional upgrade modes Conductive-AFM MFM/EFM Environmental Cell for liquids and gases Dunk and Scan liquid scanning	Modes can be purchased at a later time if required for new projects.
6.0 AFM Control Software	
Intuitive Tab based GUI	Facilitates learning to operate the AFM by progressing through tabs
Written in LabView	Software is easily migrated to new operating systems and computers.
VI's available	Software can be modified by customers for creating new features and option.
Ready access to system files	System files can be created and stored, for specialized experiments.
7.0 Control Electronics	
24 bit Scan DACS	Allows zooming from large to small scans with software control
High Fidelity Analog Z feedback	Gives maximum Z resolution for large dynamic range of the scanner.
Integrated Phase/Amplitude Demodulator	Simplifies control of Non-Vibrating and Phase modes.
50 Pin user interface connector	Provides access to all important electronic signals for customized experiments.
USB computer interface with Ebox	Allows for use with both laptop and desktop computers. Simple migration to new computers.
16 levels of XYZ gain control	Large range scanners can be used for high resolution scanning.
8.0 System Features	
Documentation available to customers: CAD drawings Schematics Software source code	Allow customers to modify and repair their AFM if they want to.
Stages operate with same control station: SA-AFM NP-AFM	Saves money because stages for new projects can be added to the system for cost of only the stage.
0.1 nm floor demonstrated by images of Si Terraces DNA 1 and 3 nm particles	Most challenges samples can be imaged with the TT-AFM.

MINORITY PARTICIPATION (JAN 2006)

Is the bidder a South Carolina Certified Minority Business? Yes NO

Is the bidder a Minority Business certified by another governmental entity? Yes NO

If so, please list the certifying governmental entity: _____

Will any of the work under this contract be performed by a SC certified Minority Business as a subcontractor? Yes NO

If so, what percentage of the total value of the contract will be performed by a SC certified Minority Business as a subcontractor? Yes NO

Will any of the work under this contract be performed by a minority business certified by another governmental entity as a subcontractor? Yes NO

If so, what percentage of the total value of the contract will be performed by a minority business certified by another governmental entity as a subcontractor? Yes NO

If a certified Minority Business is participating in this contract, please indicate all categories for which the Business is certified:

- Traditional minority
- Traditional minority, but female
- Women (Caucasian females)
- Hispanic minorities
- DOT referral (Traditional minority)
- DOT referral (Caucasian female)
- Temporary certification
- SBA 8 (a) certification referral
- Other minorities (Native American, Asian, etc.)

(If more than one minority contractor will be utilized in the performance of this contract, please provide the information above for each minority business.)

ADDITIONAL CONDITIONS

PREFERENCES - A NOTICE TO VENDORS (SEP. 2009): On June 16, 2009, the South Carolina General Assembly rewrote the law governing preferences available to in-state vendors, vendors using in-state subcontractors, and vendors selling in-state or US end products. This law appears in Section 11-35-1524 of the South Carolina Code of Laws. A summary of the new preferences is available at www.procurement.sc.gov/preferences. ***ALL THE PREFERENCES MUST BE CLAIMED AND ARE APPLIED BY LINE ITEM, REGARDLESS OF WHETHER AWARD IS MADE BY ITEM OR LOT. VENDORS ARE CAUTIONED TO CAREFULLY REVIEW THE STATUTE BEFORE CLAIMING ANY PREFERENCES. THE REQUIREMENTS TO QUALIFY HAVE CHANGED. IF YOU REQUEST A PREFERENCE, YOU ARE CERTIFYING THAT YOUR OFFER QUALIFIES FOR THE PREFERENCE YOU'VE CLAIMED. IMPROPERLY REQUESTING A PREFERENCE CAN HAVE SERIOUS CONSEQUENCES.*** [11-35-1524(E)(4)&(6)]

PREFERENCES - SC/US END-PRODUCT (SEP 2009): Section 11-35-1524 provides a preference to vendors offering South Carolina end-products or US end-products, if those products are made, manufactured, or grown in SC or the US, respectively. An end-product is the tangible project identified for acquisition in this solicitation, including all component parts in final form and ready for the use intended. The terms "made," "manufactured," and "grown" are defined by Section 11-35-1524(A). By signing your offer and checking the appropriate space(s) provided and identified on the bid schedule, you certify that the end-product(s) is either made, manufactured or grown in South Carolina, or other states of the United States, as

applicable. Preference will be applied as required by law. Post award substitutions are prohibited. See "Substitutions Prohibited - End Product Preferences (Sep 2009)" provision.

PREFERENCES - RESIDENT CONTRACTOR PREFERENCE (SEP 2009): To qualify for the RCP, you must maintain an office in this state. An office is a nonmobile place for the regular transaction of business or performance of a particular service which has been operated as such by the bidder for at least one year before the bid opening and during that year the place has been staffed for at least fifty weeks by at least two employees for at least thirty five hours a week each. In addition, you must, at the time you submit your bid, directly employ, or have a documented commitment with, individuals domiciled in South Carolina that will perform services expressly required by the solicitation and your total direct labor cost for those individuals to provide those services must exceed fifty percent of your total bid price. [11-35-1524(C)(1)(iii)] Upon request by the procurement officer, you must identify the persons domiciled in South Carolina that will perform the services involved in the procurement upon which you rely in qualifying for the preference, the services those individuals are to perform, and documentation of the your labor cost for each person identified. If requested, your failure to provide this information promptly will be grounds to deny the preference (and, potentially, for other enforcement action).

PREFERENCES - RESIDENT SUBCONTRACTOR PREFERENCE (SEP 2009): To qualify for this preference, You must meet the following requirements. (1) You must -- at the time you submit your bid -- have a documented commitment from a single proposed first tier subcontractor to perform some portion of the services expressly required by the solicitation. (2) The subcontractor -- at the time you submit your bid -- must directly employ, or have a documented commitment with, individuals domiciled in South Carolina that will perform services expressly required by the solicitation and the total direct labor cost to the subcontractor for those individuals to provide those services exceeds, as applicable, either twenty percent for a 2% preference or forty percent of bidder's total bid price for a 4% preference. (3) You must identify the subcontractor that will perform the work, the work the subcontractor is to perform, and your factual basis for concluding that the subcontractor's work constitutes the required percentage of the work to be performed in the procurement. [11-35-1524(D)] You can stack this preference, i.e., earn another 2% or 4% preference for each additional qualifying subcontractor, but the preference is capped. [11-35-1524(D)(4), (E)(7)] Upon request by the procurement officer, you must identify the persons domiciled in South Carolina that are to perform the services involved in the procurement upon which you rely in qualifying for the preference, the services those individuals are to perform, the employer of those persons, your relationship with the employer, and documentation of the subcontractor's labor cost for each person identified. If requested, your failure to provide this information promptly will be grounds to deny the preference (and, potentially, for other enforcement action). **YOU WILL NOT RECEIVE THE PREFERENCE UNLESS YOU SPECIFY WHETHER YOUR ARE CLAIMING THE 2% OR 4% PREFERENCE AND YOU PROVIDE THE INFORMATION REQUIRED BY ITEM (3) ABOVE.**

PREFERENCES - RESIDENT VENDOR PREFERENCE (SEP 2009): To qualify for the RVP, you must maintain an office in this state. An office is a nonmobile place for the regular transaction of business or performance of a particular service which has been operated as such by the bidder for at least one year before the bid opening and during that year the place has been staffed for at least fifty weeks by at least two employees for at least thirty five hours a week each. In addition, you must either: (1) maintain at a location in South Carolina at the time of the bid an inventory of expendable items which are representative of the general type of commodities for which the award will be made and which have a minimum total value, based on the bid price, equal to the lesser of fifty thousand dollars [\$50,000] or the annual amount of the contract; or (2) be a manufacturer headquartered and having an annual payroll of at least one million dollars in South Carolina and the end product being sold is either made or processed from raw materials into a finished end product by that manufacturer or its affiliate (as defined in Section 1563 of the Internal Revenue Code).

SUBSTITUTIONS PROHIBITED - END PRODUCT PREFERENCES (SEP 2009): If you receive the award as a result of the South Carolina end product or United States end product preference, you may not substitute a nonqualifying end product for a qualified end product. If you violate this provision, the State may terminate your contract for cause and you may be debarred. In addition, you shall pay to the State an amount equal to twice the difference between the price paid by the State and your evaluated price for the item for which you delivered a substitute. [11-35-1534(B)(4)]

SUBCONTRACTOR SUBSTITUTION PROHIBITED - RESIDENT SUBCONTRACTOR PREFERENCE (SEP 2009): If you receive an award as a result of the subcontractor preference, you may not substitute any business for the subcontractor upon which you relied to qualify for the preference, unless first approved in writing by the procurement officer. If you violate this provision, the State may terminate your contract for cause and you may be debarred. In addition, the procurement officer may require you to pay the State an amount equal to twice the difference between the price paid by the State and the price offered by the next lowest bidder, unless the substituted subcontractor qualifies for the preference. [11-35-1524(D)(5)(c)]

Iran Divestment Act

Pursuant to the Iran Divestment Act of 2014, S.C. Code Ann. §§ 11-57-10, *et seq.*, effective January 5, 2015 the Executive Director of the State Budget and Control Board has published a list of persons determined to engage in investment activities in Iran. The list identifies entities that are ineligible to contract with the State of South Carolina or any political subdivision of the State, including state agencies, public universities, colleges and schools, and local governments. The list is available at the following URL:

http://www.mmo.sc.gov/PS/20150105_SC_IDA_List-Final.pdf

By accepting and fulfilling this Purchase Order, you certify that you are not on the current Iran Divestment Act List and that you will notify the Procurement Officer immediately if you are added to the list.

BID SCHEDULE

COMMODITY (MATERIALS)

(Do not include sales tax; this will be calculated accordingly.)

Item	Qty	Unit of Measure	Description	Unit Price
1	1	Each	Table Top Atomic Force Microscope, as specified	\$ _____

Manufacturer _____ Part Number _____

Resident Vendor Preference _____
 SC End Product Preference _____
 US End Product Preference _____

Item	Qty	Unit of Measure	Description	Unit Price
2	1	Each	15 Micron XYZ Scanner for the Table Top Atomic Force Microscope in Line Item #1, as specified	\$ _____

Manufacturer _____ Part Number _____

Resident Vendor Preference _____
 SC End Product Preference _____
 US End Product Preference _____

Note: The commodity preferences do not apply to a single unit of an item with a price in excess of \$50,000 or a single award with a total potential value in excess of \$500,000. [11-35-1524(E)(2)]
 Please refer to the preference clauses listed in the terms and conditions of this solicitation to ensure that you qualify to select the above preferences.

SERVICE

Item	Qty	Unit of Measure	Description	Extended Price
3	1	job	Installation and On-Site Training as specified in this solicitation.	\$ _____

Resident Contractor Preference _____
 Resident Sub-Contractor Preference (2%) _____ Number of Sub-Contractors _____
 Resident Sub-Contractor Preference (4%) _____ Number of Sub-Contractors _____

Note: The service preferences do not apply to a bid for an item of work by the bidder if the annual price of the bidder’s work exceeds \$50,000 or the total potential price of the bidder’s work exceeds \$500,000. [11-35-1524(E)(3)]

Please refer to the preference clauses listed in the additional conditions of this solicitation to ensure that you qualify to select the above preferences. Bidder is to submit the following for preferences requested above:

- 1) Identify the subcontractor to perform the work:
- 2) Identify the work the subcontractor is to perform:
- 3) Bidder’s factual basis for concluding that the subcontractor’s work constitutes the required percentage of the work to be performed in the procurement.

Item	Qty	Unit of Measure	Description	Extended Price
4	1	Each	Freight	\$_____

TOTAL (Line Items #1-4) = _____