STATE OF LOUISIANA

SOUTHEASTERN LOUISIANA UNIVERSITY

HAMMOND, LOUISIANA

A Member of the University of Louisiana System

INVITATION TO BID

To Furnish, Deliver, and Install
a
DSC 214 Polyma and TG 209 F3 Tarsus
for the
Chemistry & Physics Department

ISSUING AGENCY:	**Southeastern Louisiana University** **Purchasing Department** **SLU 10800** **Hammond, LA 70402-0800**
DIRECTOR OF PURCHASING:	**Richard Himber**
PROCUREMENT SPECIALIST:	**Jennifer LaVigne** **Telephone: (985) 549-5414**
REQUISITIONED BY:	**Patrick Moyer** **Jesse Hatchett** **Telephone: (985) 549-2164**
RELEASE DATE:	**August 12, 2021**
BID INQUIRY DEADLINE:	**August 23, 2021**
BID OPENING DATE:	**September 2, 2021**
BID OPENING TIME:	**4:00 p.m., Central Time**
BID OPENING LOCATION:	**Southeastern Louisiana University** **Purchasing Department** **Property Control & Supply Building** **North Oak Street Maintenance Complex** **Hammond, Louisiana**

This ITB is available in electronic form at https://wwwcfprd.doa.louisiana.gov/OSP/LaPAC/dspBid.cfm?search=department&term=42.It is available in PDF format or in printed form by submitting a written request to the Procurement Specialist listed above. It is the Bidder's responsibility to check the Office of State Purchasing LaPAC website frequently for any possible addenda that maybe issued. Southeastern is not responsible for a bidder's failure to download any addenda documents required to complete an Invitation to Bid.

STATE OF LOUISIANA
SOUTHEASTERN LOUISIANA UNIVERSITY
HAMMOND, LOUISIANA

The Southeastern Louisiana University (SLU) Purchasing Department will receive sealed bids until 4:00 P.M. on the bid opening date specified in the solicitation document. No bid responses will be considered by the SLU Purchasing Department after 4:00 P.M. Beginning at that time, bids shall be publicly opened and read aloud to those present in the SLU Purchasing Department.

Mail address:	Southeastern LA University Purchasing Department SLU 10800 Hammond, LA 70402	Delivery:	Southeastern LA University Purchasing Department Property Control & Supply Bldg 2400 North Oak St Hammond, LA 70402

Bids submitted are subject to LA R.S. 39:1551-1736; Purchasing Rules and Regulations; Executive Orders; General Conditions; any Special Conditions; and Specifications listed in the solicitation document.

The purpose of this solicitation is to set forth the requirements and specifications of Southeastern Louisiana University. The contents of this solicitation and the Bidder/ Vendor/ Contractor's bid response shall become contractual obligations if a contract (purchase order) ensues.

INSTRUCTIONS TO BIDDERS

1) Bid Forms: All written bids, unless otherwise provided for, must be submitted on, and in accordance with, forms provided, properly signed in ink by an authorized representative of the bidding entity. Bid prices shall be typewritten or in ink. Bids submitted in the following manner will not be accepted: (1) bid contains no signature indicating intent to be bound; (2)bid sent by facsimile equipment or email. Price alterations to bid responses received before bid opening time will be considered provided the written price alteration has been received and time-stamped before bid opening time. Any other alterations of the bid response form or foreign conditions attached thereto may cause rejection of the bid response without further consideration.

2) Standard of Quality: Any product or service bid shall conform to all applicable Federal and State laws and regulations and specifications contained in the solicitation document. Unless otherwise specified in the solicitation document, any manufacturer's name, trade name, brand name, or catalog number used in the specifications is for the purpose of describing the quality level and characteristic required. Bidder should specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact products specified in the solicitation document.

3) Descriptive Information: Bidders proposing an equivalent brand or model should submit with the bid response information (such as illustrations, descriptive literature, and technical data) sufficient for the University to evaluate quality, suitability, and compliance with the specifications of the solicitation document. Failure to submit descriptive information may cause bid to be rejected. Any change made to a manufacturer's published specification submitted for a product shall be verifiable by the manufacturer. If item(s) bid does not comply with specifications (including brand and/or product number), bidder should state in what respect the item(s) deviate. Failure to note exceptions on the response form will not relieve the successful bidder(s) from supplying the actual products requested.

4) Bid Opening: Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined 72 hours after request is made. Information pertaining to completed files may be secured by visiting the SLU Purchasing Department during normal working hours. Written bid tabulations will not be furnished.

5) Louisiana Preference: Preference is hereby given to products produced, manufactured, harvested, grown or assembled in Louisiana which are equal in quality to products produced, manufactured, harvested, grown or assembled outside of Louisiana. The bidder shall state his right to claim the ten percent (10%) preference in his bid response and the bidder should state the respective Louisiana location where each qualifying item is produced, manufactured, harvested, grown or assembled.

6) Notice of Special Programs Available for Small Business: https://www.opportunitylouisiana.com/small-business/special-programs-for-small-business

7) Signature Authority: In accordance with LA Revised Statute 39:1594 (Act 121), the person signing the bid must be: (1) A current corporate officer, partnership member or other individual specifically authorized to submit a bid as reflected in the appropriate records on file with the Secretary of State; or (2) An individual authorized to bind the vendor as reflected by an accompanying or as provided upon request a corporate resolution or affidavit. By signing the bid, the bidder certifies compliance with the above.

GENERAL CONDITIONS

The SLU Purchasing Department reserves the right to award items separately, grouped or on an all-or-none basis and to reject any or all bids and waive any informalities.

1) Prices: Unless otherwise specified in the solicitation, bid prices shall be complete, including transportation and handling prepaid by the bidder to destination - SLU, Hammond, LA. Bids other than FOB destination may be rejected. Bid prices should be quoted in the unit of measure stated. Bid prices shall be firm for a minimum of thirty (30) calendar days, unless otherwise specified by SLU in the solicitation document.

2) Payment Terms: Cash discounts for less than 30 days may be offered, but will not be considered in determining awards. Bids containing "payment in advance" or "COD" requirements may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.

3) Delivery: Bids may be rejected if the delivery time indicated is longer than that specified in the solicitation document.

4) Taxes: Bidder is responsible for including all applicable taxes in the bid price. The University is currently exempt from Louisiana State Sales and Use Taxes, and local parish and city taxes. An exemption certificate for state sales and use tax can be provided upon request.

5) New Products: Unless specifically called for in the solicitation document, all products for purchase must be new, never previously used, and the current model and/or packaging. No remanufactured, demonstrator, used or irregular product will be considered for purchase unless otherwise specified in the solicitation document. The manufacturer's standard warranty will apply unless otherwise stated in solicitation.

6) Default of Contractor: Failure to deliver within the time specified in the solicitation document will constitute a default and may cause cancellation of the contract. Where the University has determined the contractor to be in default, the state reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid from the defaulting contractor will be considered.

7) Contract Cancellation: The University shall have the right to cancel any contract, in accordance with Purchasing Rules and Regulations, for cause, including but not limited to, the following: (1) failure of the vendor to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality, or to be delivered in good condition; (3) misrepresentation by the contractor; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the state; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract.

8) Applicable Law: All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.

9) Equal Opportunity: By submitting and signing this bid, bidder agrees that he will not discriminate in the rendering of services to and/or employment of individuals because of race, color, religion, sex, age, national origin, handicap, disability, veteran status, or any other non-merit factor.

By submitting a response to this solicitation, the bidder or proposer certifies and agrees that the following information is correct: In preparing its response, the bidder or proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The bidder also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. The state reserves the right

to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

10) Piggyback: Other Louisiana Governmental Agencies may purchase at the same terms and conditions if agreed upon by awarded vendor.

SOUTHEASTERN LOUISIANA UNIVERSITY
BID RESPONSE FORM

BIDDER'S NAME: _____

TELEPHONE NO.: _____ FAX NUMBER: _____

ADDRESS: _____
MAILING CITY STATE ZIP

SCOPE: **To Furnish, Deliver, and Install a DSC 214 Polyma and TG 209 F3 Tarsus for the Chemistry & Physics Department**

I/we do hereby acknowledge receipt of the following addenda (if any):

No. _____ Dated _____ No. _____ Dated _____

OTHER REQUIREMENTS:

Bidder shall include the cost of transportation and handling in the unit price of item offered -- F.O.B. University, Hammond, LA.

If bidding other than the specified make and model, then the bidder should attach illustrations and descriptive literature of the item(s) offered to the bid response form for evaluation purposes.

The attached Instructions To Bidders/General Conditions shall be a part hereof.

TO THE VENDOR:

Whenever brand name specifications or catalogue numbers are used to describe the standard of quality, performance and other characteristics, the use of such specifications shall not restrict unless otherwise specified, the submission of equivalent products.

This solicitation is a sealed bid and must be returned by mail or delivered in person. Bid response forms cannot be faxed and any fax responses shall be rejected.

TERMS: Net 30 Prox., F.O.B., Hammond, Louisiana.

TAXES: Any taxes, other than state sales and use tax, shall be included within the bidder's unit price. The University is currently exempt from state sales and use tax.

Signature to the Bid Response Form shall be construed of acceptance of the Invitation to Bid in its entirety.

AUTHORIZED OFFICER: _____ _____
(Signature) (Print or Type Name)

TITLE: _____ DATE: _____

SOUTHEASTERN UNIVERSITY
INSURANCE REQUIREMENTS FOR VENDORS & EXTERNAL PROVIDERS

Before commencing work, the Other Party (contractor and/or subcontractor) shall obtain at its own cost and expense the following insurance placed with insurance companies authorized to do business in the State of Louisiana with A.M. Best ratings of A-:VI or higher. The Other Party shall provide evidence of such insurance as required by the Agency.

A. Workers Compensation
Workers Compensation insurance shall be in compliance with the Workers Compensation law of the State of the Other Party's headquarters. Employers Liability is included with a minimum limit of $1,000,000 per accident/per person/per disease. If work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act, or other maritime law coverage shall be included. A.M. Best's insurance company rating requirement may be waived for workers compensation coverage only.

B. Commercial General Liability
Commercial General Liability insurance, including Personal and Advertising Injury Liability and Products and Completed Operations, shall have a minimum limit per occurrence of $1,000,000 and a minimum general annual aggregate of $2,000,000. The Insurance Services Office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims-made form is unacceptable.

C. Automobile Liability
Automobile Liability Insurance shall have a minimum combined single limit per occurrence of $1,000,000. The ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for the following automobile coverage classes:

1. Owned automobiles
2. Hired automobiles
3. Non-owned automobiles

Location of operations shall be "All Locations".

Note: If the vendor/contractor does not own an automobile and an automobile is utilized in the execution of the contract, then only hired and non-owned coverage is acceptable. If an automobile is not utilized in the execution of the contract, then automobile coverage is not required.

D. Professional Liability (Errors and Omissions)
Professional Liability (Error & Omissions) insurance, which covers the professional errors, acts, or omissions of the Contractor, shall have a minimum limit of $1,000,000 per claim. Claims-made coverage is acceptable. The date of the inception of the policy must be no later than the first date of the anticipated work under this contract. It shall provide coverage for the duration of this contract and shall have an expiration date no earlier than 30 days after the anticipated completion of the contract. The policy shall provide an extended reporting period of at least 24 months, with full reinstatement of limits, from the expiration date of the policy, if policy is not renewed.

E. Cyber Liability
Cyber liability insurance, including first-party costs, due to an electronic breach that compromises the State's confidential data shall have a minimum limit per occurrence of $1,000,000. Claims-made coverage is acceptable. The date of the inception of the policy must be no later than the first date of the anticipated work under this contract. It shall provide coverage for the duration of this contract and shall

have an expiration date no earlier than 30 days after the anticipated completion of the contract. The policy shall provide an extended reporting period of not less than 24 months from the expiration date of the policy, if the policy is not renewed. The policy shall not be cancelled for any reason, except non-payment of premium.

F. If at any time an insurer issuing any such policy does not meet the minimum A.M. Best rating, the Other Party shall obtain a policy with an insurer that meets the A.M. Best rating and shall submit another Certificate of Insurance within 30 days. Upon failure of the Other Party to furnish, deliver and maintain such insurance as above provided, this contract, at the election of the Agency, may be suspended, discontinued or terminated. Failure of the Other Party to purchase and/or maintain any required insurance shall not relieve the Other Party from any liability or indemnification under the contract.

G. All Certificates of Insurance of the Other Party shall reflect the following:

1) The Other Party's insurer will have no right of recovery or subrogation against the Agency. It is the intention of the parties that the Other Party's insurance policies shall protect both parties and shall be the primary coverage for any and all losses that occur under the contract.

2) The Agency shall be named as an additional insured as regards negligence by the contractor. The ISO Forms CG 20 10 (for ongoing work) AND CG 20 37 (for completed work) (current forms approved for use in Louisiana), or equivalents, are to be used when applicable.

3) The insurance companies issuing the policy or policies shall have no recourse against the Agency for payment of any premiums or for assessments under any form of the policy or policies.

4 Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.

H. The following Indemnification Agreement shall be a provision of the contract:

The Other Party agrees to save and hold harmless, protect, defend, and indemnify the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, employees and volunteers, from and against any and all claims, demands, expenses and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur or in any way grow out of any act or omission of the Other Party, its agents, servants and employees, or any and all costs, expenses and/or attorney fees incurred by the Other Party as a result of any claim, demands, and/or causes of action, except those claims, demands, and/or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its agents, representatives, employees and volunteers.

The Other Party agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands or suits at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claim, demand or suit is groundless, false or fraudulent. The State of Louisiana may, but is not required to, consult with the Other Party in the defense of claims, but this shall not affect the Other Party's responsibility for the handling of and expenses for all claims.

I. Any deductibles or self-insured retentions must be declared to and accepted by the Agency. Any and all deductibles shall be assumed in their entirety by the Other Party.

J. All property losses to Agency's property caused by the actions of the Other Party shall be adjusted with and made payable to the Agency.

K. The acceptance of the completed work, payment, failure of the Agency to require proof of compliance, or

Agency's acceptance of a non-compliant certificate of insurance shall release the Other Party from the insurance requirements and indemnification agreement obligations.

L. Additional insurance may be required on an individual basis for hazardous activities and specific service agreements. If such additional insurance is required for a specific contract, that requirement should be added to the list of required coverages found in the appropriate Exhibit.

M. If the Other Party does not continue to comply with all of the insurance requirements at any time during the contract or at contract renewal, the Agency has the following options:

N.

1. Payments to the Other Party may be withheld until the requirements have been met;

2. The Agency may pay any renewal policy premiums and withhold such payments from any monies due the Other Party;

3. The Agency may suspend, discontinue or terminate the contract.

EXHIBIT A

INSURANCE REQUIREMENTS FOR CONTRACTORS

The Contractor shall purchase and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, its agents, representatives, employees or subcontractors.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE

1. Workers Compensation
Workers Compensation insurance shall be in compliance with the Workers Compensation law of the State of the Contractor's headquarters. Employers Liability is included with a minimum limit of $1,000,000 per accident/per disease/per employee. If work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act, or other maritime law coverage shall be included. A.M. Best's insurance company rating requirement may be waived for workers compensation coverage only.

2. Commercial General Liability
Commercial General Liability insurance, including Personal and Advertising Injury Liability and Products and Completed Operations, shall have a minimum limit per occurrence of $1,000,000 and a minimum general annual aggregate of $2,000,000. The Insurance Services Office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims-made form is unacceptable.

3. Automobile Liability
Automobile Liability Insurance shall have a minimum combined single limit per accident of $1,000,000. ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned automobiles.

B. DEDUCTIBLES AND SELF-INSURED RETENTIONS

Any deductibles or self-insured retentions must be declared to and accepted by the Agency. The Contractor shall be responsible for all deductibles and self-insured retentions.

C. OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

1. Commercial General Liability and Automobile Liability Coverages

   a. The Agency, its officers, agents, employees and volunteers shall be named as an additional insured as regards negligence by the contractor. ISO Forms CG 20 10 (for ongoing work) AND CG 20 37 (for completed work) (current forms approved for use in Louisiana), or equivalents, are to be used when applicable. The coverage shall contain no special limitations on the scope of protection afforded to the Agency.

   b. The Contractor's insurance shall be primary as respects the Agency, its officers, agents, employees and volunteers for any and all losses that occur under the contract. Any insurance or self-insurance maintained by the Agency shall be excess and non-contributory of the Contractor's insurance.

2. Workers Compensation and Employers Liability Coverage

   To the fullest extent allowed by law, the insurer shall agree to waive all rights of subrogation against the Agency, its officers, agents, employees and volunteers for losses arising from work performed by the Contractor for the Agency.

3. All Coverages

   a. All policies must be endorsed to require 30 days written notice of cancellation to the Agency. Ten-day written notice of cancellation is acceptable for non-payment of premium. Notifications shall comply with the standard cancellation provisions in the Contractor's policy. In addition, Contractor is required to notify Agency of policy cancellations or reductions in limits.

   b. The acceptance of the completed work, payment, failure of the Agency to require proof of compliance, or Agency's acceptance of a non-compliant certificate of insurance shall not release the Contractor from the obligations of the insurance requirements or indemnification agreement.

   c. The insurance companies issuing the policies shall have no recourse against the Agency for payment of premiums or for assessments under any form of the policies.

   d. Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.

D. ACCEPTABILITY OF INSURERS

1. All required insurance shall be provided by a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located. Insurance shall be placed with insurers with an A.M. Best's rating of A-:VI or higher. This rating requirement may be waived for workers compensation coverage only.

2. If at any time an insurer issuing any such policy does not meet the minimum A.M. Best rating, the Contractor shall obtain a policy with an insurer that meets the A.M. Best rating and shall submit another Certificate of Insurance within 30 days.

E. VERIFICATION OF COVERAGE

1. Contractor shall furnish the Agency with Certificates of Insurance reflecting proof of required coverage. The Certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The Certificates are to be received and approved by the Agency before work commences and upon any contract renewal or insurance policy renewal thereafter.

2. The Certificate Holder Shall be listed as follows:

   State of Louisiana
   Agency Name, Its Officers, Agents, Employees and Volunteers
   Address, City, State, Zip
   Project or Contract #:

3. In addition to the Certificates, Contractor shall submit the declarations page and the cancellation provision for each insurance policy. The Agency reserves the right to request complete certified copies of all required insurance policies at any time.

4. Upon failure of the Contractor to furnish, deliver and maintain required insurance, this contract, at the election of the Agency, may be suspended, discontinued or terminated. Failure of the Contractor to purchase and/or maintain any required insurance shall not relieve the Contractor from any liability or indemnification under the contract.

F. SUBCONTRACTORS

Contractor shall include all subcontractors as insureds under its policies OR shall be responsible for verifying and maintaining the Certificates provided by each subcontractor. Subcontractors shall be subject to all of the requirements stated herein. The Agency reserves the right to request copies of subcontractor's Certificates at any time.

G. WORKERS COMPENSATION INDEMNITY

In the event Contractor is not required to provide or elects not to provide workers compensation coverage, the parties hereby agree that Contractor, its owners, agents and employees will have no cause of action against, and will not assert a claim against, the State of Louisiana, its departments, agencies, agents and employees as an employer, whether pursuant to the Louisiana Workers Compensation Act or otherwise, under any circumstance. The parties also hereby agree that the State of Louisiana, its departments, agencies, agents and employees shall in no circumstance be, or considered as, the employer or statutory employer of Contractor, its owners, agents and employees. The parties further agree that Contractor is a wholly independent contractor and is exclusively responsible for its employees, owners, and agents. Contractor hereby agrees to protect, defend, indemnify and hold the State of Louisiana, its departments, agencies, agents and employees harmless from any such assertion or claim that may arise from the performance of this contract.

H. INDEMNIFICATION/HOLD HARMLESS AGREEMENT

1. Contractor agrees to protect, defend, indemnify, save, and hold harmless, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees, and volunteers, from and against any and all claims, damages, expenses, and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of Contractor, its agents, servants, and employees, or any and all costs, expenses and/or attorney fees incurred by Contractor as a result of any claims, demands, suits or causes of action, except those claims, demands, suits, or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

EXTENSION OF COVERAGE ACKNOWLEDGEMENT

GENERAL LIABILITY:
INCLUDES THE FOLLOWING AS ADDITIONAL INSURED:
State of Louisiana
Southeastern Louisiana University
Purchasing Department
SLU 10800
Hammond, LA 70402

AUTOMOBILE LIABILITY:
INCLUDES THE FOLLOWING AS ADDITIONAL INSURED:
State of Louisiana
Southeastern Louisiana University
Purchasing Department
SLU 10800
Hammond, LA 70402

WORKERS COMPENSATION:
INCLUDES WAIVER OF SUBROGATION IN FAVOR OF:
State of Louisiana
Southeastern Louisiana University
Purchasing Department
SLU 10800

SOUTHEASTERN
LOUISIANA UNIVERSITY
PURCHASING DEPARTMENT

INDEMNIFICATION AGREEMENT

The Contractor/Vendor hereinafter referred to as PROVIDER shall execute the below Indemnification Agreement prior to furnishing services.

PROVIDER agrees to protect, defend, indemnify, save and hold harmless the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants and employees, including volunteers, from and against any and all claims, demands, expenses and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur or in any way grow out of any act or omission of PROVIDER, its agents, servants, and employees, or any and all costs, expense and/or attorney fees incurred by PROVIDER as a result of any claim, demands, and/or causes of action except of those claims, demands, and/or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its agents, representatives, and/or employees. PROVIDER agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent.

Accepted by:

_____
Provider (Name of Business)

_____
Signature (Authorized Officer)

_____
Title

_____
Date Accepted

CONTRACT FOR: Southeastern Louisiana University

CONTRACT NO.:_____

PURPOSE OF CONTRACT:

To Furnish, Deliver, and Install a DSC 214 Polyma and TG 209 F3 Tarsus for the Chemistry & Physics Department

SOUTHEASTERN LOUISIANA UNIVERSITY

BID RESPONSE FORM

Note: Any additional charges not listed below shall be included in the unit price of each item offered (FOB Destination, Freight Prepaid).

Item No.	Description of Item	Quantity	Unit Price	Amount
1.	DSC 214 Polyma Or Equivalent ***(See Attached Specifications)***	1 ea.	_____	_____
2.	Installation for the DSC 214 Polyma ***(See Attached Specifications)***	1 ea.	_____	_____
3.	TG 209 F3 Tarsus Or Equivalent ***(See Attached Specifications)***	1 ea.	_____	_____
4.	Installation for the TG 209 F3 Tarsus ***(See Attached Specifications)***	1 ea.	_____	_____

Total..... _____ _____

NAME OF COMPANY: _____ DATE: _____

EMAIL:_____

Specifications

Item No. 1
DSC 214 Polyma

Hardware Should Include:

- Heating and cooling rates from 0.001 to 500 K/min.
- Isothermal crystallization tests of semicrystalline thermoplastics for the simulation of the rapid cooling during e.g., injection molding process.
- Robust sensor for e.g., oxidation tests (OIT) and software that includes a pre-programmed cleaning program.
- The DSC should allow for the connection of various cooling devices.
- All cooling systems should allow for a software-controlled, smart *AutoCooling*.
- The system should not require that the liquid nitrogen cooling devices switch on during heating or isothermal segments.
- Ability to run isothermal DSC tests as well above 400°C independent from the connected cooling device.
- Ability to maintain a linear heating of 300 K/min between RT and at least 500°C when connected with an intracooler, liquid nitrogen cooling or air compressor.
- Ability to user-exchange the liquid nitrogen cooling with a compressor system, and vice versa.
- Ability to achieve an Indium Response Ratio of minimum 100mW/K under normal measurement conditions.
- Software monitors and displays the gas flows. Gas flow evaluation should be possible.
- Possible that each sample can be treated individually when using the automatic sample changer. This means each sample should be able to have its own measurement program and calibration routine.
- Various crucibles that are available made of different materials and in different dimensions for measurements testing e.g., the oxidation stability (OIT, OOT) made of Al and copper, solid fat index (SFI) or liquid fraction, curing behavior during a polycondensation (pressure-tight crucibles), etc.
- Especially for polymers, cold-weldable aluminum crucibles should be available which retrofit or are complementary to the sensor.
- The Al pans should be delivered in an antistatic box for minimum 96 pans. The box should be designed in that way that each pan has its own position for archiving.

Software Should Include:

- Software that has a user interface with a clear structure and easy access buttons for easy and uncomplicated use of the measurement and evaluation.
- Software that contains wizards for easy and fast measurement start (sample measurement routines)
- An easy-to-use interface with predefined methods the software containing a second mode which covers all software features (for measurement and analysis) and allows total manual operation.
- Software that contains predefined measurement routines for all standard polymers including thermoplastics, thermosets and elastomers.

- Software that offers methods combining measurement and evaluation routines for automatic measurement and evaluation.
- Software that evaluates the measurement by using intelligent mathematical routines which analyze the curve independent from the operator.
- Software that has integrated a self-acting package which analyzes automatically unknown curves of polymer materials or melting peaks independent from the operator's influence.
- Software that has integrated a package which identifies polymeric materials by means of the DSC curve. It should be possible to edit and supplement with information from the user.

- Software that contains a calibration routine which provides automatic creation routines for all relevant calibration curves.
- Software that contains a feature which allows for a smart automatic cooling (*AutoCooling*). The automatic cooling feature should recognize the type of cooling device and gives notice if the temperature program of the chosen measurement method can be realized with the connected cooling device.
- Software that has a context-sensitive help system. It should be a browser-style HTML help interface.
- Software that allows for the storage of the analysis results and status for later restoration and continuation with analysis (original file remains).
- Email support; status messages or measurement files that can be sent automatically following the measurement or in case of error
- The following hardware components should be partial-automatically detected by the software: sensor type, sample thermocouple, gas switches, the MFC gas-control device, cooling and evacuation devices.
- At least three gases should be controllable segment by segment when using a mass flow controller (MFC).
- Software that allows a temperature program with up to 256 programmable temperature segments for one measurement.
- Software that allows programming of a new measurement file while a measurement is running
- Monitoring of all MFC gas flows (protective and purge gas) as part of the software.
- Software that has a function which allows the running measurement to jump into the next measurement segment.
- An email support should exist which can be used to send automatically status messages or measurement files or to receive alerts in case of errors.

- Comparative analysis of up to 64 curves or segments from the same or different measurements
- The possibility to carry out a value determination on a single curve or a curve family.
- The possibility to carry out semi-automatic routines for determination of characteristic effects. This routine should be possible to carry out simultaneously on multiple curves.
- Connection of segments by spline interpolation. The software should allow connecting dynamic segments with the same heating direction with isothermal segments. This connection should be depicted temperature-scaled.
- The possibility of connection by spline interpolation allows for the determination of onset, endset, inflection point, complex peak parameters, glass transition (delta c_p), OIT, degree of crystallinity, specific heat, etc. across all segment.
- Snapshot: Online evaluation of the running measurement should be possible.

- Comparative evaluation and presentation of various signals and methods such as TGA, DSC, DTA, STA, DIL/ TMA, DMA, DEA, mass spectrometry and FT-IR in collective graphics or evaluation windows should be possible.

Item No. 2
TG 209 F3

Hardware Should Include:

- The TGA should have a vertical design combined with a top-loading balance.
- The TGA should be designed to employ a vertical gas flow from the bottom to the top.
- Furnace is a SiO_2-coated monolithic metallic heater with an integrated air cooler.
- The TGA should employ two thermocouples: one for the measurement of the sample temperature and the second for the furnace temperature.
- The thermocouple to measure the sample temperature is in direct contact with the sample crucible which allows an exact determination of the sample temperature.
- The TGA is equipped with an external thermostatic control for low-drift behavior and to ensure long-term measurements
- Furnace safety features implemented in the system
- Purging of balance chamber with protective gas.
- Maximum furnace temperature will not be exceeded (furnace thermocouple, see above)
- The TGA has a measuring range of 2 g and allow for a maximum load (sample mass + crucible) of 2 g.
- Multiple sample carriers with special coatings for high resistance against corrosive gases, for large samples and such to provide a high sensitivity for combined c-*DTA*® measurements that are available.
- A sample carrier that is motorized and detachable from the balance system.
- All sample carriers should be user-interchangeable within less than 60sec.
- Large crucibles made of alumina should be available with a volume of 350 µl. In addition crucibles made of PtRh with a volume of 190 µl are allowed.
- A calculated DTA signal (c-*DTA*®) should be available for the detection of exo- and endothermal effects.
- The system should allow for a temperature calibration via the c-*DTA*® signal/curve.
- The TGA should have an internal weight for mass calibration.
- Automatic sample changer (ASC) for at least 20 different crucibles is optionally available.
- In automatic operation the complete crucible/sample change does not exceed 85 seconds before next measurement starts. This guarantees a high sample throughput in minimized time.

Software Should Include:

- Gas manager that is integrated in the software. Gas control that allows at least three gases to be controlled segment by segment.
- Up to 256 programmable temperature segments (isothermal, dynamic up/down or "standby") should be possible.
- Loop programming (insertion, deletion, and annexation of temperature segments) even in already existing temperature programs should be possible.

- Freely selectable sampling rate within the maximum segment value. Should require no extra add-on software package.
- A software that is able to perform a TGA stability check for early termination of the test run.
- A macro-recorder for creating analysis and evaluation macros for measurement series is be included. Results can additionally be annotated with threshold values for quality control.
- The software should contain special functions such as:
    - "jump to the next segment",
    - "Changing of upcoming segments during a running measurement",
    - Snapshot for online evaluation of the measurement in progress.

- The evaluation SW that is able to save measurement data/raw data together with the evaluation. There should be no need to re-analyze when reopening the file.
- Software that allows for a comparative analysis of up to 64 curves/temperature segments from the same or different measurements
- Direct import of selected measurement curves in one step into the same graphic.
- Software that allows for a simultaneous multi-curve analysis
- Software that allows for value determination on a single curve or a curve family.
- Software that allows for mass-loss determination using the MARSCH method.
- Software that allows for shifting of freely selectable segments to the origin (zero point) on the time axis to simplify comparison between multiple heating (or cooling) segments.
- Software that allows for the connection of segments by spline interpolation.

Any additional expenses incurred shall be inclusive of the unit price. Contact person to schedule installation for items 1 and 2 is Jesse Hatchett @ **985-549-2164** or email: jesse.hatchett@southeastern.edu

Delivery Time:

Bidder shall indicate maximum anticipated delivery time after receipt of a Purchase Order):

(Check One)

[ ] 15 days or less after receipt of purchase order
[ ] 30 days or less after receipt of purchase order
[ ] Other - State _____