



TECHNICAL COLLEGE OF THE LOWCOUNTRY

RFQ-042925

The Technical College of the Lowcountry is requesting a formal quote for the following services.

At your discretion please provide a total cost for the items below on letterhead no later than May 13th, 2025 by 10:00 AM. Please email your quote to purchasing@tcl.edu

NOTE:

1. Quote should include all freight charges.
2. Quote should not include sales tax; all applicable sales tax will be paid.
2. **Quotes received after the designated date and time above, will not be considered.**
3. The award will be made to the lowest and responsive bidder.
4. All offers must complete and return the enclosed W9.

A newly developed Robotics Certificate program requires a robotic system resource for use within our courses. It should include a 6-axis robotic arm, various sensors (optical, distance, object), conveyor belts, and pneumatics, all controlled by a centralized controller. The system should allow students to program and automate tasks like picking, placing, sorting, and transporting objects, simulating real-world industrial scenarios.

Key Features and Components:

6-Axis Robotic Arm:

A robotic arm with six degrees of freedom, mimicking industrial arms, capable of picking up and placing cubes and discs.

Sensors:

Includes optical, distance, and object sensors to identify objects and their positions, enabling tasks like color sorting and object detection.

Conveyor Belts:

Linear and serpentine conveyor belts used for transporting objects within the system

Pneumatics:

Pneumatic cylinders and valves are used to create linear and rotational motions for various tasks.

Programming:

The System should support multiple programming languages including block-based languages as well as text-based languages like C++ and Python.

Controller:

The central controller for the system should be capable of receiving inputs, processing information, and providing outputs.

www.tcl.edu 1.800.768.8252

Beaufort Mather Campus

921 Ribaut Road | PO Box 1288
Beaufort, SC 29901 | 843.525.8211

Bluffton New River Campus

100 Community College Drive
Bluffton, SC 29909 | 843.470.6000

Culinary Institute of the South

Buckwalter Place | 1 Venture Drive
Bluffton, SC 29910 | 843.305.8575

Hampton Campus

H. Mungin Center | 54 Tech Circle
Varnville, SC 29944 | 803.943.4262



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Labs:

There should be labs developed to allow students to learn, develop skills and become productive technicians in an industrial environment.

- Introduction to Robotic Arms
- Coding Movements
- Controlling the Path
- Absolute vs Relative Movements
- Transporting and Palletizing Objects
- Stacking Objects
- Safety
- Sorting by Color
- Material Transportation
- Understanding Pneumatics
- Automated Sorting
- Pallet Loading
- Optical Sorting
- Logistics Sorting

Terms and Conditions – (No exceptions will be made to the Terms and Conditions)

SOUTH CAROLINA PURCHASE ORDER CLAUSE SET (FEB 2021)

AGREEMENT means any transaction or agreement arising out of, relating to, or contemplated by the relationship of which this purchase order forms a part. The terms and conditions of this document (including the attached purchase order) shall apply notwithstanding any additional or different terms and conditions in any invoice or other document, including without limitation, (i) a purchase order or other instrument submitted by the State, (ii) any invoice, confirmation, or other document submitted by Contractor, or (iii) any privacy policy, terms of use, or end user agreement. Any document signed or otherwise agreed to by persons other than the Procurement Officer shall be void and of no effect.

AGREEMENT AWARDED PURSUANT TO CODE: This agreement is formed pursuant to and governed by the South Carolina Consolidated Procurement Code and is deemed to incorporate all applicable provisions thereof and the ensuing regulations.

ASSIGNMENT, NOVATION, AND CHANGE OF NAME, IDENTITY, OR STRUCTURE:(a) Contractor shall not assign

this contract, or its rights, obligations, or any other interest arising from this contract, or delegate any of its performance obligations, without the express written consent of the responsible Procurement Officer. The foregoing

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restriction does not apply to a transfer that occurs by operation of law (e.g., bankruptcy; corporate reorganizations and consolidations, but not including partial asset sales). Notwithstanding the foregoing, contractor may assign monies receivable under the contract provided that the State shall have no obligation to make payment to an assignee until thirty days after contractor (not the assignee) has provided the responsible Procurement Officer with (i) proof of the assignment, (ii) the identity (by contract number) of the specific State contract to which the assignment applies, and (iii) the name of the assignee and the exact address or account information to which assigned payments should be made. (b) If contractor amends, modifies, or otherwise changes its name, its identity (including its trade name), or its corporate, partnership or other structure, or its FEIN, contractor shall provide the Procurement Officer prompt written notice of such change. (c) Any name change, transfer, assignment, or novation is subject to the conditions and approval required by Regulation 19-445.2180, which does not restrict transfers by operation of law.

CHOICE-OF-LAW: The Agreement, any dispute, claim, or controversy relating to the Agreement, and all the rights and obligations of the parties shall, in all respects, be interpreted, construed, enforced and governed by and under the laws of the State of South Carolina, except its choice of law rules. The UN Convention on the International Sale of Goods shall not apply to this agreement.

CONTRACTOR: means the business entering the contract of which this purchase order forms a part.

CONTRACTOR PERSONNEL: You shall enforce strict discipline and good order among your employees and other persons carrying out the Work. You shall not permit employment of unfit persons or persons not skilled in tasks assigned to them.

CONTRACTOR'S USE OF STATE PROPERTY: Upon termination of the contract for any reason, the State shall have the right, upon demand, to obtain access to, and possession of, all State properties, including, but not limited to, current copies of all State application programs and necessary documentation, all data, files, intermediate materials and supplies held by you. You shall not use, reproduce, distribute, display, or sell any data, material, or documentation owned exclusively by the State without the State's written consent, except to the extent necessary to carry out the Work.

CONTRACTOR'S OBLIGATION - GENERAL: You shall provide and pay for all materials, tools, equipment, labor and professional and non-professional services, and shall perform all other acts and supply all other things necessary, to fully and properly perform and complete the Work. You must act as the prime contractor and assume full responsibility for any subcontractor's performance. You will be considered the sole point of contact with regard to all situations, including payment of all charges and the meeting of all other requirements.

DELIVERY / PERFORMANCE LOCATION: F.O.B. Destination. Destination is the shipping dock of the State's designated receiving site, or other location, as specified herein. All services shall be provided at the location specified herein.

Thank you,

Gillian Murray, Procurement Manager

Technical College of the Lowcountry

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Beaufort, SC 29901-1288

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