



TENNESSEE TECH UNIVERSITY

Request for Quotation

FREE-STANDING STAINLESS STEEL ARGON INERT ATMOSPHERE GLOVE BOXES

Tennessee Tech requests quotations for the furnishing, delivery, installation, start-up, and training for two (2) free-standing, stainless steel inert atmosphere glove box systems utilizing argon gas and meeting the minimum specifications described herein.

Tennessee Tech intends to utilize a cooperative purchasing agreement in accordance with State of Tennessee procurement guidelines. References to specific manufacturers or models are intended to establish performance standards only and do not restrict bidders. Equivalent products from other manufacturers will be considered.

Issue Date: June 28, 2026

Quotation Due Date/Time: August 17, 2026 @ 3:00 PM Central Time

RFQ Coordinator: Janice Scarlett

Phone: 931-372-3464

Email: jscarlett@tntech.edu

Electronic copies of this Request for Proposal available at www.tntech.edu/purchasing. Click on the "Upcoming Bid Opportunities" link and then on the appropriate document link(s) or by contracting the RFQ Coordinator listed above.

THIS IS NOT AN ORDER

1 Project Objectives

Tennessee Tech University seeks to purchase two (2) free-standing, stainless steel inert atmosphere glove box systems utilizing argon gas.

2 Minimum Requirements for Box #1

Please mark each line below with an "X" if your product meets specifications. If the product exceeds the specification write "Exceeds" and explain. Leave blank if product does not meet the specifications.

- _____ Six (6) glove ports in a single-sided configuration
- _____ Internal size is ~ 120x30x35"
- _____ Quick-change front window
- _____ Large and small antechambers on right-hand side
- _____ Automatic antechamber control for large antechamber
- _____ Single column recirculating gas purification system
- _____ Dryscroll (oil free) pump for gas purifier (Edwards NXDS15i or equivalent)
- _____ Oxygen analyzer (0-1000 ppm)
- _____ Moisture analyzer (0-1000 ppm)
- _____ Solvent sensor
- _____ Box cooling unit (2.5 kW) and chiller
- _____ Stainless steel shelving
- _____ Argon/Nitrogen/Helium regulator
- _____ Inlet/outlet HEPA filters
- _____ Internal glove port cover
- _____ Retractable casters to allow easy movement of system
- _____ Back Wall Passthroughs
 - _____ 2x 110 V power supplied via a KF-40 (or comparable) fitting
 - _____ 12x blank KF-40 (or comparable) fittings
 - _____ 4x 1/4" Swagelok (or comparable) liquid/gas bulkhead passthroughs w/hand valves
- _____ Left Side Wall Passthroughs
 - _____ 4x blank KF-40 (or comparable) fittings
 - _____ 240 V single phase power supplied via a KF-40 (or comparable) fitting
 - _____ 4x 1/4" Swagelok (or comparable) liquid/gas bulkhead passthroughs w/hand valves

3 Minimum Requirements for Box #2

Please mark each line below with an "X" if your product meets specifications. If the product exceeds the specification write "Exceeds" and explain. Leave blank if product does not meet the specifications.

- _____ 6 glove ports in a double-sided configuration
- _____ Internal size is ~60x48x35"
- _____ Quick-change front window
- _____ Large and small antechambers
- _____ Automatic antechamber control for large antechamber
- _____ Double column recirculating gas purification system to allow regen while operating
- _____ Dryscroll (oil free) pump for gas purifier (Edwards NXDS15i or equivalent)
- _____ Oxygen analyzer (0-1000 ppm)
- _____ Moisture analyzer (0-1000 ppm)
- _____ Solvent sensor
- _____ Box cooling unit (10 kW) and chiller
- _____ Box temperature monitor
- _____ Water cooled furnace flange w/removable reactor (reactor to be ~7" OD, ~24" long)
- _____ Pneumatic furnace lift for tube furnace
- _____ Argon/Nitrogen/Helium regulator
- _____ Inlet/outlet HEPA filters
- _____ Internal glove port cover
- _____ Retractable casters to allow easy movement of system
- _____ Side Wall Passthroughs
 - _____ 6x blank KF-40 (or comparable) fittings
 - _____ 4x 1/4" Swagelok (or comparable) liquid/gas bulkhead passthroughs w/hand valves
 - _____ 2x 110 V power supplied via a KF-40 (or comparable) fitting
 - _____ 2x 240 V single phase power supplied via a KF-40 (or comparable) fitting
- _____ Ceiling Passthroughs
 - _____ 6x blank KF-40 (or comparable) fittings
 - _____ 4x 1/4" Swagelok (or comparable) liquid/gas bulkhead passthroughs w/hand valves

4 Other Minimum Requirements

Please mark each line below with an “X” if your product meets specifications. If the product exceeds the specification write “Exceeds” and explain. Leave blank if product does not meet the specifications.

- _____ Argon Atmosphere
- _____ Contaminant control to <1 ppm O₂ and H₂O
- _____ Sensors should be minimal maintenance or maintenance free
- _____ Single vent line per box
- _____ Stainless steel fittings, piping, and valves
- _____ Ceiling mounted LED lights
- _____ Regen gas regulator
- _____ Tube furnace for reactor to be procured separately
- _____ Engineering drawing review before fabrication
- _____ On-site installation and training
- _____ Minimum 2-year manufacturer warranty

5 Doing Business with Tennessee Tech

5.1 Communications

All communication regarding this RFQ must be submitted by email only to the RFQ Coordinator, who is Tennessee Tech’s only official point of contact for this RFQ. Unauthorized contact with any other Tennessee Tech employees or officials regarding this RFQ may result in disqualification from the procurement process.

5.2 Supplier Registration

- To do business with Tennessee Tech register as a supplier/contractor at <https://www.tntech.edu/purchasing/howto.php>
- Bidders who would like to become a registered Diversity Business Enterprise can visit the following link for more information: <https://tn.dbesystem.com/>

5.3 Bid Submission Requirements

- Bids must be received by the Purchasing & Contracts Office by the date and time listed on page 1.
- Bids may only be delivered by one of the following methods:
 - Email to the RFQ Coordinator at jscarlett@tntech.edu
 - Mail to Tennessee Tech University, POB 5144, Cookeville, TN 38505
- Bid is subject to the RFQ – Standard Terms and Conditions found at: http://www.tntech.edu/purchasing/pdf/RFQ_Std_Terms_and_Conditions_rev_6-26-24.pdf . By submitting a bid, Bidder certifies its agreement to these terms and conditions.
- Bidders shall complete and submit the Cost Proposal Sheet (Attachment A) provided with this RFQ.
 - All pricing must be entered into the format provided.

- Pricing shall include all costs necessary to furnish, install, implement, train, support, and maintain the proposed solution in accordance with the requirement of this RFQ.
- Any costs not specifically identified on the Cost Proposal Sheet shall be clearly itemized and submitted as a separate attachment.
- Tennessee Tech is tax-exempt; freight and installation estimates must be included on the Cost Proposal Sheet.
- Cost Proposal Sheet must be signed by Bidder confirming that all prices meet the minimum qualifications
- Failure to complete the Cost Proposal Sheet in its entirety may result in the proposal being considered non-responsive.

5.4 Evaluation Methodology & Results

- Award will be made to the responsive and responsible Bidder offering the lowest Total Cost that meets all RFQ requirements.
- Tennessee Tech reserves the right to further clarify or negotiate with the best-evaluated Bidder after the award recommendation but prior to the contract execution as deemed necessary by the university.
- Tennessee Tech reserves the right to initiate negotiations with the next ranked Bidder should the Bidder selected fail to provide a product with the minimum requirements above.
- Tennessee Tech reserves the right, at its sole discretion, to reject any or all bids in accordance with applicable laws and regulations.
- To view a bid tabulation after intent to award, please visit this link: <https://www.tntech.edu/purchasing/bidawards.php>. Results are listed according to fiscal year then by date of bid opening.

5.5 Invoicing

- Invoices may be mailed to invoices-noreply@tntech.edu or mailed to the Tennessee Tech Business Office, Campus Box 5037, Cookeville, TN 38505 after the completion of the project.

BIDDER IS TO COMPLETE INFORMATION BELOW AND SIGN BID

Bidding Entity's Name

Name of Contact Person (Printed)

Title

Address

City, State, Zip

Phone

Email Address

Authorized Signature of Bidder

Date

Tennessee Tech University is an EEO/AA/Title IX/Section 504/ADA Employer

Attachment A

Cost Proposal Sheet

FREE-STANDING STAINLESS STEEL ARGON INERT ATMOSPHERE GLOVE BOXES

Price for Box #1 _____

Price for Box #1 Shipping _____

Price for Box #2 _____

Price for Box #2 Shipping _____

Prices quoted meet all minimum specifications.

Authorized Signature

Name (Printed)

Date Signed