

The DAUPHIN COUNTY TECHNICAL SCHOOL JOINT OPERATING COMMITTEE invites you to submit a bid on the items specified on the attached sheets. Bids submitted will be subject to the following conditions:

1. Bids shall be submitted on form provided.
2. Bidder shall quote the net price to the technical school, F.O.B. Technical School. **Delivery, Installation, and Training** cost **must be** included. The equipment must be delivered and installed by February 28, 2019.
3. Bids must be for items as **specified in the description** – please **do not** send bid quotes for items that are **not** the same as in the description.
4. **If bidder is not submitting a quote on Servo Robot System (Festo 5250-10), bidder must enclose detail specification sheet and photographs.**
5. Bids must be sealed and envelope marked:

Bid 190001: Electronics Equipment – ROBOT SYSTEM

6. Bids should be addressed to Dauphin County Technical School, Maria Zaharick, Business Administrator, 6001 Locust Lane, Harrisburg, PA 17109.
7. Quotations are to be in the hands of the Business Administrator, at Dauphin County Technical School at the address provided above, on or before, **10:30 a.m. EST on Monday, November 12, 2018**. Bids will be opened in the Business Office at that time. Bids received after the time established above will be returned to the sender unopened.
8. A Non-Collusion Affidavit must be submitted with the bid. Failure to provide the required affidavit will be grounds for disqualification of the bid.
9. The Dauphin County Technical School Joint Operating Committee reserves the right to reject any or all bids submitted.
10. **This bid was revised to include accessories, as noted in red.**

GENERAL CONDITIONS/SPECIFICATIONS

Dauphin County Technical School would like to purchase a complete servo robot system with curriculum to provide training in the programming and operation of industrial robots. The robot system shall teach students to create automated work cells ideal for Flexible Manufacturing System (FMS) and Computer Integrated Manufacturing (CIM)

Please provide us with a price including delivery, installation, and training on the bid form.

Servo Robot System

- **Festo 5250-10 or equivalent**
 - Servo Robot shall have five axes of rotation plus a gripper.
 - All joints shall be able to be used simultaneously to perform a sequence of moves.
 - Servo Robot shall be able to be operated in the articular mode, which allows each articulation to be controlled and moved independently or be operated in the Cartesian mode where the gripper moves linearly, parallel to a specified axis.
 - Servo Robot shall be controlled and programmed using a hand-held terminal or from a PC host computer running Robotics software.
- **Curriculum Requirements**
 - Student Manuals
 - Each exercise shall provide a clearly stated objective, a discussion, a summary of the exercise procedures, a detailed exercise procedure, a conclusion, and a set of review questions.
 - Instructor Guides
 - Each guide shall contain the measurement results as well as the answers for each hands-on exercise, and the answers to the review questions.
 - Covered Topics
 - Introduction
 - Familiarization with the Servo Robot System
 - Point-to-Point Programs
 - Task Programs
 - Program Editing
 - Control Overview
 - Industrial Application Simulation Using a Belt Conveyor
 - Industrial Application Simulation Using a Pneumatic Feeder
 - Industrial Application Simulation Using a Rotary Carousel
 - Industrial Application Simulation Using a Linear Slide

- Accessories
 - Work Bench for 3 Work Surfaces (**Festo 46601-3 or equivalent**)
 - Work Surface – Large (**Festo 46604 or equivalent**) – Quantity 3
 - RoboCIM 5250 Software for 5 Users (**Festo 5251-A or equivalent**)
 - Spacer (**Festo 39035 or equivalent**) – Quantity 2
 - Rotary Carousel (**Festo 5208-1 or equivalent**)
 - Linear Slide, Long (**Festo 5209-1 or equivalent**)
 - Belt Conveyor (**Festo 5210 or equivalent**)
 - Accessories for Servo Robot (**Festo 5259 or equivalent**)
 - Robot 5250 Software Development Kit (**Festo 5274 or equivalent**)
 - Pneumatic Feeder - Square Parts (**Festo 5122-1 or equivalent**)
 - Pneumatic Feeder – Cylindrical Parts (**Festo 5142-1 or equivalent**)
- Warranty
 - Standard Manufacturer’s Warranty or better
- On-Site Training
 - ½ day of training is required

DAUPHIN COUNTY TECHNICAL SCHOOL
INSTRUCTIONS FOR NON-COLLUSION AFFIDAVIT

1. This Non-Collusion Affidavit is material to any contract awarded pursuant to this bid. According to the Pennsylvania Anti-bid-Rigging Act, 73 P.S. 1611 et seq., governmental agencies may require Non-Collusion Affidavits to be submitted together with bids.
2. This Non-Collusion Affidavit must be executed by the member, officer or employee of the bidder who makes the final decision on prices, and the amount quoted in the bid.
3. Bid rigging and other efforts to restrain competition, and the making of false sworn statements in connection with the submission of bids are unlawful and may be subject to criminal prosecution. The person who signs the Affidavit should examine it carefully before signing and assure himself or herself that each statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the Bidder with responsibilities for the preparation, approval or submission of the bid.
4. In case of a bid submitted by a joint venture, each party to the venture must be identified in the bid documents, and an Affidavit must be submitted separately on behalf of each party.
5. The term “complementary bid” as used in the Affidavit has the meaning commonly associated with that term in the bidding process, and includes the knowing submission of bids higher than the bid of another firm, any intentionally high or noncompetitive bid, and any other form of bid submitted for the purpose of giving a false appearance of competition.
6. Failure to file an Affidavit in compliance with these instructions will result in disqualification of the bid.

Dauphin County Technical School Harrisburg, Pennsylvania 17109					Unit	Delivery, Install, & Training	Total
Electronics Technology Equipment Bid #190001	Quantity	Unit/Size	Manufacturer	Model	Cost	Cost	Cost

Servo Robot System [Festo 5250-10 or equivalent]	1	Each					
Work Bench for 3 Work Surfaces [Festo 4660-3or equivalent]	1	Each					
Work Surface – Large [Festo 46604 or equivalent]	3	Each					
RoboCIM 5250 Software for 5 Users (Festo 5251-A or equivalent)	1	Each					
Spacer [Festo 39035 or equivalent]	2	Each					
Rotary Carousel [Festo 5208-1 or equivalent]	1	Each					
Linear Slide, Long [Festo 5209-1 or equivalent]	1	Each					
Belt Conveyor [Festo 5210 or equivalent]	1	Each					
Accessories for Servo Robot [Festo 5259 or equivalent]	1	Each					
Robot 5250 Software Development Kit [Festo 5274 or equivalent]	1	Each					
Pneumatic Feeder - Square Parts [Festo 5122-1 or equivalent]	1	Each					
Pneumatic Feeder – Cylindrical Parts [Festo 5142-1 or equivalent]	1	Each					
Warranty - please define:							

Vendor: _____

Total Bid Cost _____

Address: _____

Phone: _____

Fax: _____

If bid is not for Servo Robot System (Festo 5250-10), bidder must enclose detail specification sheet and photographs.

If bid is not for Festo Accessories, bidder must enclose detail specification sheet and photographs.