SHELTON STATE
COMMUNITY COLLEGE
9500 OLD GREENSBORO RD.
TUSCALOOSA, AL 35405
BID INVITATION
10-13-SS

Shelton State Community College will receive sealed bids in its Purchasing Office until 4/17/2013 at 2:00 PM for the items described in the bid invitation. Bids will be publicly opened and read aloud in the Volkert Conference Room, Room #3605A.

SUBMIT BID PROPOSAL TO:

Bid Number 10-13-SS
Attention: Judy Johnson
Shelton State Community College
9500 Old Greensboro Road
Tuscaloosa, AL 35405

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4-5 Specifications
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"No Bid" Responses Are Requested
GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS

1. All bids are to be in sealed envelopes with the above bid number and opening on the outside of the envelope. All forms should be completed and included in the sealed envelope. Mark your bid to the attention of Judy Johnson, Purchasing Officer.

2. Only written modifications to proposals will be accepted.

3. Bidders may submit proposals on any one or all items listed. However, the College reserves the right to select and purchase individual items.

4. All bid prices are to be quoted F.O.B. Shelton State Community College, Tuscaloosa, Alabama.

5. The College reserves the right to accept or reject any bid or part thereof and waive informalities that may be deemed in the best interest of the College.

6. References in the specifications to name brands, catalogue numbers, etc., are for identification purposes only and in no way are intended to eliminate or discourage the offering of substitute items which equal the specifications.

7. If quotations are offered on substitute items, the bidder must include catalogues/brochures with complete descriptions and manufacturers' specifications.

8. Guarantees/warranties are to be furnished by the vendor as provided by the manufacturer.

9. Bid prices are not to include tax. Tax exemption certificates furnished upon request.

10. All items are to be free from defects in material and workmanship. If items are defective or damaged or do not meet the specifications, they are to be replaced immediately by the vendor at no additional cost to the college.

11. Quantities listed on the specifications sheet are believed to be correct. However, the college reserves the right to alter or vary the quantities for a period of ninety (90) days from the bid opening.
12. No payments on partial shipments will be made until all items have been received in good condition.

13. No bid may be withdrawn after the scheduled closing time for receipts of bids for a period of thirty (30) days.

14. Any and all damages caused to the College by the successful bidder will be repaired promptly at no cost to the College.

15. This proposal is to be made without connection with any other person, company, or parties making a bid or proposal and is to be in all respects fair and in good faith, without collusion or fraud.

16. The contractor must comply with all federal, state, county and city laws regarding license fees and agreements.

17. The contractor must comply with Alabama Act 2011-535 and agrees to submit an Affidavit of Alabama Immigration Law Compliance as well as an E-Verify Memorandum of Understanding.

18. Nonresident Bidder Information: Act Number 2001-637 of the 2001 Alabama Legislature, which became effective on May 21, 2001, and is codified as Code of Alabama, Section 39-3-5, provides as follows:

Section 1: In the letting of public contracts in which any state, county or municipal funds are utilized, except those contracts funded in whole or in part with funds received from a federal agency, preferences shall be given to resident contractors, and a non resident bidder domiciled in a state having laws granting preference to local contractors shall be awarded Alabama public contracts only on the same basis as the nonresident bidder’s state awards contract to Alabama contractors bidding under similar circumstances; and resident contractors in Alabama, as defined in Section 39-2-12, be they corporate, individuals or partnerships, are to be granted preference over nonresidents in awarding of contracts in the same manner and to the same extent as provided by the laws of the state domicile of the nonresident.

Section 2: A summary of this law shall be made a part of the advertised specifications of all projects affected by this law.
SPECIFICATIONS

Please bid on the items listed on pages 4-5, or equivalent, for Shelton State Community College.

Charges for postage/handling/delivery should be included in the bid price.

Shelton State reserves the right to purchase any additional quantity of the above referenced item for a period of at least three hundred sixty-five days (one year) following the bid opening date.

If you have general bid questions, please contact Judy Johnson at 205.391.2238.

For questions regarding the bid specifications, please contact Brett Butler at 205.391-2473.

CERTIFICATION PURSUANT TO ACT NUM. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEREBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557. THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.
PLEASE SEE ATTACHED FOR BID SPECIFICATIONS
SHELTON STATE
COMMUNITY COLLEGE
9500 OLD GREENSBORO RD.
TUSCALOOSA, AL 35405
BID INVITATION

BID SPECIFICATIONS

10-13-SS
BID PROPOSAL FORM

Proposal of __________________________________________
(Company Name)

of __________________________________________________
(City and State)

Hereinafter, called "Bidder," a corporation, organized and existing under the laws of the State of ________________, a partnership, or an individual doing business as:

________________________________________________________________________

TO:  Shelton State Community College
     9500 Old Greensboro Rd.
     Tuscaloosa, AL 35405
     Attn: Judy Johnson

     Bid Price $______________________________

     Federal Identification # ____________________________
I hereby affirm I have not been in any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition, by agreement to bid at a fixed price or to refrain from bidding, or otherwise.

________________________
Firm or Company Name

________________________
Address

________________________
City, State and Zip Code

________________________
Telephone Number                    Fax Number

________________________
Name of Company Representative
(Please Print)

________________________
Signature of Company Representative

BID CERTIFICATE MUST BE NOTARIZED

Sworn and subscribed before me this the __________ day of ______________, 20___.

________________________
Notary Public

________________________
Date my commission expires
State of Alabama
Disclosure Statement
(Required by Act 2001-955)

Have you or any of your partners, divisions, or any related business units previously performed work or provided goods to any State Agency/Department in the current or last fiscal year?

☐ Yes  ☐ No

If yes, identify below the State Agency/Department that received the goods or services, the type(s) of goods or services previously provided, and the amount received for the provision of such goods or services.

<table>
<thead>
<tr>
<th>STATE AGENCY/DEPARTMENT</th>
<th>TYPE OF GOODS/SERVICES</th>
<th>AMOUNT RECEIVED</th>
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Have you or any of your partners, divisions, or any related business units previously applied and received any grants from any State Agency/Department in the current or last fiscal year?

☐ Yes  ☐ No

If yes, identify the State Agency/Department that awarded the grant, the date such grant was awarded, and the amount of the grant.

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<tr>
<th>STATE AGENCY/DEPARTMENT</th>
<th>DATE GRANT AWARDED</th>
<th>AMOUNT OF GRANT</th>
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1. List below the name(s) and address(es) of all public officials/public employees with whom you, members of your immediate family, or any of your employees have a family relationship and who may directly personally benefit financially from the proposed transaction. Identify the State Department/Agency for which the public officials/public employees work. (Attach additional sheets if necessary.)

<table>
<thead>
<tr>
<th>NAME OF PUBLIC OFFICIAL/EMPLOYEE</th>
<th>ADDRESS</th>
<th>STATE DEPARTMENT/AGENCY</th>
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2. List below the name(s) and address(es) of all family members of public officials/public employees with whom you, members of your immediate family, or any of your employees have a family relationship and who may directly personally benefit financially from the proposed transaction. Identify the public officials/public employees and State Department/Agency for which the public officials/public employees work. (Attach additional sheets if necessary.)

<table>
<thead>
<tr>
<th>NAME OF FAMILY MEMBER</th>
<th>ADDRESS</th>
<th>NAME OF PUBLIC OFFICIAL/Public Employee</th>
<th>STATE DEPARTMENT/AGENCY WHERE EMPLOYED</th>
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If you identified individuals in items one and/or two above, describe in detail below the direct financial benefit to be gained by the public officials, public employees, and/or their family members as the result of the contract, proposal, request for proposal, invitation to bid, or grant proposal. (Attach additional sheets if necessary.)

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Describe in detail below any indirect financial benefits to be gained by any public official, public employee, and/or family members of the public official or public employee as the result of the contract, proposal, request for proposal, invitation to bid, or grant proposal. (Attach additional sheets if necessary.)

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List below the name(s) and address(es) of all paid consultants and/or lobbyists utilized to obtain the contract, proposal, request for proposal, invitation to bid, or grant proposal:

<table>
<thead>
<tr>
<th>NAME OF PAID CONSULTANT/LOBBYIST</th>
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By signing below, I certify under oath and penalty of perjury that all statements on or attached to this form are true and correct to the best of my knowledge. I further understand that a civil penalty of ten percent (10%) of the amount of the transaction, not to exceed $10,000.00, is applied for knowingly providing incorrect or misleading information.

Signature ___________________________ Date __________

Notary’s Signature ___________________________ Date __________ Date Notary Expires __________

Act 2001 855 requires the disclosure statement to be completed and filed with all proposals, bids, contracts, or grant proposals to the State of Alabama in excess of $5,000.
ATTACHMENT

Specification Information
for
Robot Training Cart and Certification Program

This bid is to select vendors to provide and deliver a robot training cart and certification program for Shelton State Community College.

- The contract period shall be one year from the date of delivery. (Instructor training (both on-site and eLearn/web) is open ended)

- Prices shall remain firm for the contract period.
- The vendor shall offer Shelton State Community College any published reduction in prices during the contract period.
- All items included in this bid must meet the specifications listed below or an equivalent. If substitutions are offered, enter the brand name and model number in the “or equivalent” column.
- An entry must be made for each line item. Failure to make applicable entries for each line item may disqualify the bid.
- The entire Bid Proposal must be returned
- The vendor must deliver items within 30 days of receipt of a Shelton State purchase order.
- The items listed on this proposal are considered a complete Robot training and certification system, and must be bid as a complete package
- Shipping and Handling will be included in the bid price.
- On-site commissioning will be included in the bid price.
- All items are warranted for a period of one year from the date of delivery.
- Registration of technical support for Shelton State Community College from the robot manufacturer is to be included in the bid.
- The Robot Training Cart and Certification program must include the items that follow.
The training robot must include the following minimum specifications and features:

LR Mate 200iC Six-Axis Mechanical Unit (5 kg Maximum Payload, Floor or Invert or Angle Mounted, 0.704m Reach) with:
- 4M Liquid Resistant Robot Connection Cables
- IP20 water/dust proof rating
- Axis 1, 2 & 3 brakes
- 2 Double acting solenoid valves mounted inside J4 arm
- 1 Air connection port at J1 base for solenoid valves
- 90degree EE Connector on J4 arm with 6 inputs, HBK, +24VDC, 0VDC
- ISO Flange
- Eye Bolts


The controller must include the following minimum specifications and features:

R-30iA Mate Controller with:
- 2 Slot Backplane
- Main iRVision CPU with:
- Multi-Processor Based Architecture
- 64 Mb DRAM, 64 Mb FROM, 2 Mb SRAM
- 2 Mini Slots For Optional Network I/O PCBs
- Single Ethernet Port
- PMC Capable
- 8-Axis Control Board
- 6 Channel Servo Amplifier
- Dual Check Safety
- 200-220 VAC Single Phase or 110-120 VAC Single Phase Capable
- RIA compliant Operator Panel with T1-Auto Mode Switch, Cycle Start, E-Stop Buttons and ONOFF Switch
- RIA Compliant Material Handling Color Graphic Pendant with 10m Cable
SHELTON STATE
COMMUNITY COLLEGE
9500 OLD GREENSBORO RD.
TUSCALOOSA, AL 35405
BID INVITATION

- Memory Card PCMCIA Slot on Operator Panel.
- Fixed Digital I/O Port with 28 digital inputs, 24 digital outputs (source type), 24V and ground.
- Spare Fuse Kit

External dimensions (mm): 470(W) x 320(D) x 400(H), Power Supply: 120VAC single phase, CPU: Multi-processor architecture with separate motion and communication with real-time clock and calendar, Controlled Axes: 24, Serial/Host Communications: One 100 Base TX/10 Base-T Ethernet port with RJ-45 connector and One RS-232-C/RS-485 port, Teach Pendant: Color graphic iPendantTM (internet ready) without touchscreen, iRVisionTM: Built-in camera interface for 2-D vision applications, Built-in I/O: Up to 28 digital inputs/24 digital outputs 24VDC, Memory Card: PCMCIA type 2 interface, Mass (KG): 55, MH iPendant.

Product Documentation CD: Includes LR HandlingTool Software, LR Mate 200iC Mechanical Unit, and Controller Documentation
- LR HandlingTool Setup and Operations
- LR Mate 200iC Mechanical Unit Operators Manual
- R-30iA Mate Controller Connection and Maintenance

- The LR Handling ToolTM Software must include the following minimum specifications and features: integrated with the robot and controller, include built-in macro functions, menu-driven programming tools, point and shoot position teaching, complaint with RIA 15.06 safety standards.

- The MH iPendant must include the following minimum specifications and features: Without touchscreen, color screen, allows users to jog and program robot, multi-window display, multiple program editing capabilities, integrated help and diagnostics, and a user-customizable interface. Must also include integrated irVision 2D Guidance display and programming functions.

- The Mobile Training Safety Enclosure must include the following minimum specifications and features: Plexiglass housing for the robot and options. Open housing on the bottom of the cart for the Controller, iPendant, and Air Compressor. 120VAC transformer.

- The Education Tooling Package must include two types of interchangeable end of arm tooling, (gripper style and vacuum style), air compressor (used to close and release the end of arm tooling gripper and generate vacuum for the robot), 120VAC transformer, and grippers.
Integrated V-guide conveyor system using a dual V-guide belt tracking system. Each V-guide belt speed is adjustable from 5 to 50 ft/min (1.5 to 15 m/min) via externally mounted speed and directional controls.

Integrated conveyor system shall include the following
- Load/Unload Parts Station
- Retro reflective part presence sensor
- Complete wiring to control forward and backward motion of both conveyors through the iPendant utilizing existing controller I/O.

IR Vision Certification to include a fully integrated 2D iRVision process executed from the main robot CPU with fully integrated robot command set and a robust set of vision algorithms with capabilities to emphasize critical features and dynamically mask areas to ignore. No personal computers or additional processing hardware will be required to support the 2D iRVision. Must be able to view images and track production directly from the color robot teach pendant. Must come complete with integrated 2D iRVision camera, vision light kit and all hardware, software, accessories, printed and electronic student and instructor materials and resources to support all of the items listed above. (per cart)

Must include an Ethernet/IP software option to allow interfacing with a plc and other robots on a network. (per cart)

Must include the following project based learning packages: (per cart)

HandlingTool Operations and Programming – Shapes Package
Set of the following Textbooks:
(2) Basic Robot Operations
(2) HandlingPro (Roboguide Simulation)
(2) Basic HandlingTool Operations and Programming 1
(2) Basic HandlingTool Operations and Programming 2

Project Based Learning – Battery Package with Basic iRVision 2D & Error Proofing
Includes:
- Pneumatic Actuated Gripper
- ‘AA” Battery Magazine
- Loading Trays for Vertical, Horizontal, and Diagonal load and unload programming
- (2) Textbooks: Advanced Material Handling – Battery Cell
- (2) Textbooks: Basic iRVision 2D – Battery Cell
- (2) Textbooks: Basic iRVision with Error Proofing – Battery Cell

Project Based Learning – Pill Sorting Package with Basic iRVision 2D &
Contrasting Colors
Includes:
- Pneumatic Dual Position Vacuum Gripper
- (2) Pill Bottles
- (16) Plastic Pills
- Loading Tray / Sorting Surface
- (2) Textbooks: Basic iRVision 2D – Pill Cell
- (2) Textbooks: iRVision 2D – Contrasting Colors
- 100 Print CD – includes all CERT textbooks – authorized to print only 100 of selected

- The Dual Check Safety (DCS) Position/Speed Check Software must provide safety related speed and position monitoring without additional hardware or external switches or relays.

- The eLearn Safety Training (including DCS for instructor) must provide one instructor online eLearning Safety Training including training on Dual Check Safety Software before becoming certified robot training instructors. (per cart)

- The Instructor Material Handling (MH) Certification and MH Certified Education Robot Training and iRVision/CERT Program must include free Robotics eLearn online training and on-site training for one instructor and yearly renewals of online eLearn software, RoboGuide and iRVision 2D Guidance Hardware & Software for one instructor. (per cart)

  iRVision CERT Program, (per cart)
  Includes qty (1) one of the following:
  - iRVision Setup & Operations-2D eLearn Web Course
  - Seat in iRVision Setup & Ops-2D Course at FANUC Robotics
  All printed and electronic instructor resources such as PowerPoint slides, canned-functional programs, etc to match training and certification curriculum. (per cart)
  - eLearn and RoboGuide software seats for up to one hundred twenty five (125) students per year for three years. Printed Student eLearn Manuals for up to one hundred twenty five (125) students per year for three years and then renewable annually at an academic discounted rate.

Set of the following Student Text Books
- (2) Basic Robot Operations
- (2) HandlingPro (Roboguide Simulation)
- (2) Basic HandlingTool Operations and Programming 1
- (2) Basic HandlingTool Operations and Programming 2
(per cart)

- The RoboGuide Simulation Software must allow one instructor to program virtual robots using a virtual iPendant. Allow programs to be uploaded to the training robot through the use of a USB drive. Renewable annually for the one instructor at no additional cost. (per cart)
  One hundred and twenty five (125) RoboGuide Simulation Software seats for up to 125 students per year at no additional cost for a thirty six (36) month period and then renewable annually at an academic discounted rate. (per student) Laptop not included.
The **MH eLearn Web Courses** must allow one instructor access to the Robot Operations, Handling Tool, Handling PRO and iRVision online courses. Allows one instructor one seat of RoboGuide Simulation Software course. (per cart)

Access for up to one hundred twenty five (125) student seats to the Robot Operations, Handling Tool, Handling PRO and iRVision online courses per year. Allows up to one hundred twenty five (125) student seats of RoboGuide Simulation Software course per year. Student online web courses and RoboGuide subscriptions available for a thirty six (36) month period before requiring renewal and then renewable annually at an academic discounted rate. (per student) Laptop not included.
<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model Number</th>
<th>Equipment Description</th>
<th>Proposed Qty</th>
<th>Unit Price (Price for a quantity of 1)</th>
<th>Extended Price (Price for estimated quantity may include discounts)</th>
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<tbody>
<tr>
<td>Fanuc</td>
<td>DFR2CR30001</td>
<td>FANUC LR Mate 200iC Robot with R-30iA Mate Controller, Six Axis Mechanical Robot with IP20 Rating, Handling Tool Software, iPendant w/o Touch Screen-R30iA Mate, Ethernet/IP Adaptor Software Option (as described herein)</td>
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<tr>
<td>Fanuc</td>
<td>DFR2CR30002</td>
<td>FANUC MH1 Education Training Cart (to include: Mobile Training Safety Enclosure, Educational Tooling Package, DCS Position/Speed Check Software, and eLearn Safety Training (including DCS for instructor); as described herein)</td>
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<tr>
<td>Fanuc</td>
<td>DFR2CR30003</td>
<td>Instructor MH CERT Program and Software Package (to include: MH Certification &amp; MH CERT Program, iVision CERT Program, RoboGuide Simulation Software, Printed student eLearn manuals, and MH eLearn Web Courses); as described herein</td>
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