



## INVITATION TO BID

**ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.**

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| <b>INVITATION NO.:</b> KCT-01079<br><b>Issue Date:</b> October 27, 2017<br><b>Method of Award:</b> Best Value<br><b>Procurement to Payment Officer:</b> Tonya Peters<br><b>Email:</b> Tonya.peters@kctcs.edu | <b>RETURN ORIGINAL COPY OF BID TO:</b><br><br><b>KCTCS</b><br><b>PROCUREMENT TO PAYMENT DEPT</b><br><b>BID #KCT-01079</b><br><br><b>300 NORTH MAIN STREET</b><br><br><b>VERSAILLES, KY 40383</b> |
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**Bids are invited on the following: INDUSTRIAL EQUIPMENT**

**IMPORTANT: SEALED BIDS MUST BE RECEIVED BY NOVEMBER 10, 2017 by 4:00 PM Eastern Daylight Time**

1. Sealed Bids for furnishing the following will be received by the Procurement to Payment Department, KCTCS, Versailles, Kentucky, until the date and time stated above or in Addenda. *Bid documents must be submitted in a sealed envelope identified with the Invitation to Bid number and the opening/return date on the face of the envelope* ***FACSIMILE BIDS WILL NOT BE ACCEPTED.***
2. Please quote your single best net price on each item, unless a discount from list price is requested, delivered to the address specified, all transportation charges prepaid. Price shall include delivery to the department address shown on this Invitation. Submission of two (2) bids may result in disqualification of both bids.
3. Bids must be firm. Those containing escalator clauses cannot be accepted, unless provided for in Special Conditions. To receive consideration, bids must be made on this form and signed in full. Prices must be based on stated units and extended. Delivery guarantee must be shown. Bids will be rejected unless filled out in ink or on typewriter and signed in ink.
4. The KCTCS Sales Tax Exemption Number is A-20633. Certificate will be provided upon request. Do Not Quote Sales Tax. (...continued on following page.....)

**SIGNATURE REQUIRED: This bid cannot be considered valid unless signed and dated by an authorized agent of the bidder. Type or print the information requested in the spaces provided.**  
**ALL BIDS ARE TO BE "TRANSPORTATION CHARGES PREPAID, F.O.B. DESTINATION"**

### THIS AREA MUST BE COMPLETED

|   |                        |        |
|---|------------------------|--------|
| DELIVERY TIME:  | NAME OF COMPANY        | PHONE: |
| BID FIRM THROUGH:   | NO. & STREET           | FAX:   |
| PAYMENT TERMS: Net 30 days<br>Must Accept PO  | CITY, STATE & ZIP CODE |        |
| <b>F.O.B. DESTINATION<br/>ALL DELIVERY CHARGES TO BE<br/>INCLUDED IN PRICES SHOWN</b> | SIGNATURE              | DATE:  |
| Email   |                        |        |
| FEDERAL ID NUMBER (EIN):  | TYPED OR PRINTED NAME  |        |

In submitting this bid, it is expressly agreed that, upon proper acceptance by Kentucky Community and Technical College System of any or all items bid, a contract shall thereby be created with respect to the items accepted.

**BIDS MAY ALSO BE VIEWED AT OUR WEBSITE:** [http://systemoffice.kctcs.edu/Vendor\\_Information](http://systemoffice.kctcs.edu/Vendor_Information).  
**All bids and contracts are subject to General Terms and Conditions of KCTCS. You may download/print a copy of these from our website or you may request a copy be mailed to you by contacting the Procurement to Payment Department at 859-256-3336.**

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing as provided by KRS 523.040:

1. That I am the bidder (if the bidder is an individual), a partner, (if the bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the bidder is a corporation);
2. That the attached bid has been arrived at by the bidder independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition;
3. That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids and will not be communicated to any such person prior to the official opening of the bid or bids;
4. That the bidder is legally entitled to enter into contracts with KCTCS and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, 61.096, and 42.990, and;
5. That I have fully informed myself regarding the accuracy of the statement made above.

NOTICE

1. Any agreement or collusion among bidders or prospective bidders which restrains, tends to restrain, or is reasonably calculated to restrain competition by agreement to bid at a fixed price or to refrain from bidding, or otherwise, is prohibited.
2. Any person who violates any provisions of KRS 45A.325 shall be guilty of a felony and shall be punished by a fine of not less than five thousand dollars nor more than ten thousand dollars, or be imprisoned not less than one year nor more than five years, or both such fine and imprisonment. Any firm, corporation, or association which violates any of the provisions of KRS 45A.325 shall, upon conviction, be fined not less than ten thousand dollars nor more than twenty thousand dollars.

SWORN STATEMENT OF COMPLIANCE WITH CAMPAIGN FINANCE LAWS

In accordance with KRS 45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to a bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

CERTIFICATION OF NON-SEGREGATED FACILITIES

The contractor, by submitting a bid on this Invitation, certifies that he/she is in compliance with the Code of Federal Regulations, No. 41 CFR 60-1.8(b), that prohibits maintaining segregated facilities.

INSTRUCTIONS TO BIDDERS:

Bidder's response on the following items must include full identification of the item(s) proposed, and be accompanied by descriptive literature, etc., to enable the purchaser to evaluate qualifications of the item(s) proposed as equal to those specified. **ALL ALTERNATE QUOTATIONS MUST BE ACCOMPANIED BY COMPLETE LITERATURE AND SPECIFICATIONS TO EVALUATE ALTERNATE QUOTE AS EQUAL TO THAT SPECIFIED. FAILURE TO PROVIDE SUFFICIENT INFORMATION WILL BE CAUSE FOR REJECTION OF THE BID.**

When a Bidder proposes to furnish the exact item specified, he shall cite, beside the item, or use the Mfg. & Model No. Proposed blank that follows the line item as follows:

1. If bidding the manufacturer and model number specified in this Invitation, write in "AS SPECIFIED".
2. If bidding an alternate model, identify by manufacturer's number and model.
3. If bidding a private label model, identify as private label and show stock number.

**ALL BIDS ARE TO BE "TRANSPORTATION CHARGES PREPAID, F.O.B. DESTINATION"**

METHOD OF AWARD

Unless otherwise specified, it is the intent of KCTCS to award this Invitation to Bid on a Best Value basis. In the event no satisfactory bids are received, we reserve the right to award on a group award basis. Separate purchase orders may not be issued unless there is a savings of at least \$100.00 to KCTCS.

**I. SCOPE**

You are invited to bid on the following **INDUSTRIAL EQUIPMENT** for the Kentucky Community and Technical College System (KCTCS), Somerset Community College, 808 Monticello St, Somerset KY 42501.

**II. EQUIPMENT**

Attached is the list of items required. All equipment proposed and delivered by the successful vendor must be "New and Current Model(s)". No used equipment or demonstrator models will be acceptable, unless specified in the form of proposal. All serial number tags, FCC approval numbers, model numbers, etc. must be affixed on each piece of equipment at the time of delivery. Equipment will be inspected and rejected if these numbers are not affixed or have been altered.

**III. EQUIPMENT LISTING REQUIREMENTS**

All equipment and assemblies of equipment offered in response to this Invitation to Bid shall be in full compliance with all current applicable standards established by Federal, State, and Local governments, including, but not limited to OSHA, NFPA 70, NFPA 79, the Kentucky Building Code and all applicable references noted therein.

The equipment must also be listed and labeled by a nationally recognized testing laboratory (NRTL) or certified by field evaluation and labeled by a third party nationally recognized testing laboratory (NRTL) acceptable to the authority having jurisdiction in Kentucky to certify compliance with applicable codes and safety requirements. If a listing does not exist or third party certification cannot be provided for said equipment, the services of a Professional Engineer licensed in the Commonwealth of Kentucky may also be procured by the bidder to certify that the equipment has been constructed in accordance with NFPA 79 and UL 508A standards and their references. **All costs associated with required listings or certifications shall be included in the bid price.** Each piece of equipment or assembly of equipment offered in response to this bid shall either be listed and labeled or certified and labeled prior to shipment by the successful bidder.

Refer to bid documents for additional information:

- 1) **PAGE 14- Memo to Bidders**
- 2) **PAGE 15 - Field of Evaluators**

**IV. ALTERNATES**

Alternate equipment proposed by a bidder as equivalent must substantially meet or exceed the manufacturer's specifications for each product listed in this Invitation to Bid. Vendors bidding alternate equipment must submit complete literature and specifications with their bid in order for an evaluation by KCTCS to be made. Failure to submit complete literature may be cause for rejection of bid.

**V. DELIVERY**

All items are to be shipped F.O.B. Destination, all freight charges included in the price (or unless specified on the form of proposal). The successful vendor will be responsible for all equipment while in transit. Any freight claims will be the responsibility of the vendor. The College will reject any damaged shipments and immediate notification will be given to the vendor.

**VI. METHOD OF AWARD**

Best Value– Ranking Approach

KCTCS intends to award a Contract to the Bidder, whose offer, conforming to the Solicitation, is the most advantageous on the basis of "best value" for all products, services, and requirements contained herein.

An evaluation committee, or a designated individual, will evaluate the information provided by the Vendor in response to the established measurable criteria contained in the Solicitation.

**Measurable Criteria:**

**Price 90**

**Delivery 10 Points**

**TOTAL POINTS 100 Points**

Each Vendor is responsible for submitting all relevant, factual and correct information with their offer to enable the evaluator(s) to afford each Vendor the maximum score based on the available data submitted by the Vendor. **VENDOR SHALL ENTER UNIT PRICE AND TOTAL PRICE ON THE BID SHEET.** If adequate space is not available, the Vendor must attach additional information that clearly cross-references the appropriate location in the solicitation (i.e. page number, paragraph, subject, etc.).

**Price (90 points)**

**The bidder with the lowest Price receives the maximum score.** The bidder with the next lowest Price receives points by dividing the lowest Price by the next lowest price and multiplying that percentage by the available points. For example, 90 points is allocated to the lowest Price criteria for this procurement, Bidder "A" bids \$3.00 as the lowest bidder and receives the maximum 90 points ( $\$3.00 / \$3.00 = 1.00 \times 90 = 90$ ). Assume Bidder "B" is the next lowest bidder at \$4.00, then "B" receives 67.50 points ( $\$3.00 / \$4.00 = .75 \times 90 = 67.50$ ).

**Delivery (10 points)**

**The bidder with the best delivery receives the maximum score.** The bidder with the next lowest delivery timeframe receives points by dividing the lowest timeframe by the next lowest timeframe and multiplying that percentage by the available points. For example, 10 points is allocated to the lowest timeframe criteria for this procurement, Bidder "A" bids 45 days as the lowest bidder and receives the maximum 10 points ( $45/45 = 1.00 \times 10 = 10$ ). Assume Bidder "B" is the next lowest bidder at 60 days, then "B" receives 7.50 points ( $45/60 = .75 \times 10 = 7.50$ ).

Best Value scoring is subject to Reciprocal Preference for Kentucky resident bidders.

**VII. KENTUCKY**

In accordance with KRS 45A.490 to 45A.494, Kentucky Resident Bidder Status, a resident Offeror of the Commonwealth of Kentucky shall be given a preference against a nonresident Offeror. In evaluating proposals, KCTCS will apply a reciprocal preference against an Offeror submitting a proposal from a state that grants residency preference equal to the preference given by the state of the nonresident Offeror. Residency and nonresidency shall be defined in accordance with KRS 45A.494(2) and 45A.494(3), respectively. Any Offeror claiming Kentucky residency status must submit with its bid/proposal a notarized affidavit (Resident Bidder Claim Form,) with supporting documentation affirming that it meets the criteria as set for in the above referenced statute. Further, in accordance with KRS 45A.465 and 45A.470, any bidder wishing to claim qualified bidder status must complete and include an Affidavit for Qualified Bidder Status with their response. In evaluating responses, KCTCS will apply preference in accordance with KRS 45A.470. An Affidavit for Qualified Bidder Status forms is available from KCTCS Procurement to Payment, upon request.

**VIII. BID SUBMITTAL**

Bids must be received no later than the date and time show on the front page of this Invitation to Bid. All bids must be received in a sealed envelope/package clearly identified with the Invitation to Bid Number in the lower left corner. **Bidders shall not submit their standard terms and conditions with bid submission.**

**IX. MULTIPLE BIDS**

Unless otherwise specified, only one price, brand and/or model may be proposed for each item on this Invitation to Bid. Bidders must determine their single best offering based on the manufacturers specified. Bids not conforming to this requirement may be rejected.

**X. KENTUCKY SALES AND USE TAXES**

Sales of tangible personal property or services to the State of Kentucky and its constitutional agencies are not subject to state sales or use taxes.

**XI. COMPLIANCE WITH FEDERAL REQUIREMENTS**

Where this procurement involves the expenditure of federal assistance or contract grant funds, the awarded contractor shall comply with such federal law and authorized regulations which are mandatory applicable and which are not presently set forth elsewhere in this solicitation. Office of Management and Budget Circular A-102, Appendix "O" requires but is not limited to, compliance with the following provisions;

(1) All contracts awarded in excess of \$10,000 by grantees and their contractors or sub grantees require compliance with Executive Order 11246, entitled "Equal Employment Opportunity", as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR Part 60).

(2) All negotiated contracts (except those awarded by small purchase procedures) awarded by grantees provide that the grantee, the Federal grantor agency, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers and records of the contractor which are directly pertinent to this specific contract, for the purpose of making audit, examination excerpts and transcriptions. Contractors are to maintain all required records for three years after grantees make final payments and all other pending matters are closed.

(3) Contracts, subcontracts and subgrants of amounts in excess of \$100,000 requires compliance with all applicable standards, orders, or requirements issued under Section 306 of the Clean Air Act (42 U.S.C. 1857 (h), Section 508 of the Clean Water Act 33 U.S.C. 1368), Executive Order 11738 and Environmental Protection Agency regulations (40 CFR Part 15), which prohibit the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA List of Violating Facilities. This provision requires reporting of violations to the grantor agency and to the U.S.E.P.A. Assistant

**XII. INSURANCE**

Prior to the beginning of the contract, the contractor will furnish to the Purchasing Department Certificates of Insurance that show it has and will maintain all insurance protection (including products liability insurance) at the contractor's expense.

Minimum liability coverage must be:

Public Liability -Comprehensive General Owners, Landlords and Tenants

Bodily Injury Liability

Each Person \$1,000,000

Each Occurrence \$1,000,000

Property Damage Liability \$1,000,000

Products Liability

Each Person \$1,000,000

Each Occurrence \$1,000,000

Automobile Liability

Bodily Injury

Each Person \$1,000,000

Each Occurrence \$1,000,000

Personal Injury Liability

Each Person \$1,000,000

Property Damage Liability \$1,000,000

Worker's Compensation Statutory

Employers Liability \$ 500,000

The Kentucky Community and Technical College System must be named as an additional insured in the policy for Comprehensive General Liability. In the event of failure by the supplier to maintain, in force, insurance coverage acceptable to KCTCS, KCTCS will have the right to terminate this Agreement immediately upon written notice to the supplier. Copies of the Insurance Certificates are to be furnished to the KCTCS Procurement to Payment Division. Modification of this requirement must be requested in writing with supporting statements, prior to the time of the bid submission

**XIII. INSPECTION**

All supplies and equipment shall be subject to inspection or tests by the college prior to acceptance. In the event supplies or equipment are defective in material or workmanship or otherwise not in conformity with specified requirements, the college shall have the right to reject them or require acceptable correction at the vendor's expense.

**XIV. REJECTION OF BIDS**

KCTCS reserves the right to reject any and all bids when it is in the best interest of KCTCS to do so.

**XV. DAMAGED MATERIALS**

When an order is received and found damaged, the vendor will be notified immediately concerning the course of action necessary to resolve the situation. Should replacement materials be required, said material will be replaced within ten (10) working days, unless there is just cause shown that this requirement cannot be met. A notice of disposition for damaged materials will also be required within ten (10) working days, or KCTCS, will dispose of, or return, said materials at their convenience.

**XVI. CANCELLATION OF BIDS**

KCTCS reserves the right to cancel the bid when it is in the best interest of KCTCS to do so.

**XVII. WARRANTY**

The manufacturer's most favorable warranty offered to preferred customers shall apply to all items. A copy of such warranty shall be furnished to the college upon delivery of the equipment or product.

**XVIII. ORAL DISCUSSIONS**

Potential bidders should clearly understand that any verbal representations made or assumed to be made during any oral discussions held between representatives of potential bidders and any State employee or official are not binding on the Commonwealth of Kentucky or its constitutional agencies or colleges.

**XIX. COMPLIANCE WITH STATE LAWS**

Any contracts or orders placed as a result of an offer shall be governed by the laws of the Commonwealth of Kentucky. The rights and obligations of the parties thereto shall be determined in accordance with these laws. Any offer conditioned upon governance by the laws of a state other than Kentucky shall not be considered.

**XX. ADA COMPLIANCE**

When applicable (e.g. webpages) the Contractor's products and services will be in compliance with current Americans with Disability Act (ADA) requirements including the applicable current ADA Standards for Accessible Design, Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), Section 255 of the Communications Act, as amended and applicable regs.

**XXI. POST CONTRACT AGREEMENTS**

The resulting contract and KCTCS Purchase Order shall constitute the entire agreement between the parties. Unless contractually provided, KCTCS will not be required to enter into nor sign any additional agreements, leases, company orders or other documents to complete or initiate the terms of a contract that may result from an award of this Invitation to Bid. Any documents obtained shall be non-binding on KCTCS and may be considered a breach of contract.

**XXII. VENDOR TERMS & CONDITIONS**

Responses submitted that include any additional vendor terms or conditions or contain terms and conditions in conflict with the Statutes of the Commonwealth of Kentucky shall be rejected. Vendors shall refrain from imposing conditions that would modify the terms and conditions of the solicitation or limit the bidder's liability to KCTCS on the contract awarded on the basis of such Invitation.

**XXIII. QUESTIONS, SOLICITATION SOLE POINT OF CONTACT - RESTRICTION ON COMMUNICATION**

**The KCTCS Procurement to Payment Department shall be the sole point of contact throughout the solicitation process regarding the terms and conditions contained in this Invitation to Bid. Contact with KCTCS other than the Procurement to Payment department may be cause for rejection of bid.** This does not preclude vendors who presently hold contracts with KCTCS from communicating with KCTCS individuals regarding existing contracts only.

Any explanation desired by a bidder regarding the meaning or interpretation of the solicitation, specifications, etc., must be requested in writing. Questions will not be addressed via telephone. Oral explanations or instructions given before the award of the contract will not be binding. In the event any item, requirement, term or condition of this Invitation to Bid is not clear, or is not according to regulation, it shall be the sole responsibility of the interested prospective bidder to inquire as to intent, or to state the exception in writing, via email or fax to:

**Tonya Peters**

KCTCS Procurement to Payment Services

[Tonya.peters@kctcs.edu](mailto:Tonya.peters@kctcs.edu)

Fax: 859-256-3124

From the issue date of this Invitation until a contractor is selected and the selection is announced, bidders are not allowed to communicate with any KCTCS staff concerning this bid except via written questions submitted to the sole point of contact.

**All questions are to be submitted to the Procurement to Payment department no later than (7) days prior to bid opening via email to [tonya.peters@kctcs.edu](mailto:tonya.peters@kctcs.edu). Phone calls will not be accepted.**

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|---|
| <b>GROUP 1– FANUC ALPHA SERIES 31i-WB</b> |
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**ALPHA SERIES FEATURES**

- Fanuc series 31i-WB CNC control with newly developed #HMI Interface CNC
- (1) 64 bit and (4) 32 bit control processors
- 15" Color LCD – Touch Screen
- Operator guidance screens for operation, alarms, maintenance and parts
- RS232C input/output port for file transferring
- Ethernet port
- 2 USB Ports
- PCMCIA slot
- Part program storage capacity 4 Megabyte
- Automatic power recovery
- Automatic restart
- 3D Coordinate System Rotation
- Wire center path calculation G41/42
- Coordinate system rotation
- Reverse copy (symmetry) M96/97
- Automatic corner rounding
- Low air pressure alarm
- Work coordinate system (G54-G59)
- Scaling
- Retrace
- Rotational Copy
- NC Command Resolution of 0.00000004"
- FANUC high speed digital / AC power supply
- FANUC serial/digital AC servo motors
- Five (5) standard controllable axis (X, Y, U, V, Z) (A&B Optional)
- Up to 45 degree taper cutting capability (with optional guides and nozzles)
- Absolute position encoder system
- Exclusive Twin Servo Motor Wire Tension system
- Independent column mounted U and V axis slides
- FANUC Automatic Wire Feed System (10 sec. spark to spark)
- Anti-Crash protection (X, Y, U, V, Z)
- Programmable "Z" axis
- Ai Power Setting Function – automatic setting of cutting conditions
- Handy controller (Hand held pendant)
- Quick conversational programming
- Smart Programming of Keyways
- Servo Motor Controlled automatic water level control in work tank
- Programmable Flushing
- Mirror image X and Y axes independently
- Edge Finding / centering manually, G codes and Guidance Menus
- Decimal point input
- Inch / Metric switchable – G20/G21
- One Set of .010" High Precision die guides
- Stainless Submersible Vertical Wire Alignment Gauge
- Wash down hose with nozzle
- Chiller unit for dielectric fluid (Inverter controlled to +/- 0.1 deg C)
- Fanuc filtration unit
  - The Fanuc system consists of two canister style, 3 micron paper filters. The filters sit on top of the water tank. The resin is now contained in a 1 cu. ft. bottle that is easily changed out by quick disconnects.
- Manuals (1each): operator's, maintenance, parts, AWF, cutting technology, safety precautions
- Auto wire recovery function (AWR)
- Wire break skip function / Cutting condition adjustment function
- Retry skip function
- AWF monitor screen
- AWF result monitor screen

- Re-cutting function
- Simple retry function
- Simple retry position indication
- Full retry function
- Wire break position indication
- Alarm recovery guidance
- EDM data adjustment function on AWR
- AWF start hole search function / short release function
- One (1) eleven pound spool wire .010" brass wire

**TECHNICAL DATA**

- Main Processor.....(Qty. 1) 64 bit
- Aux Processors .....(Qty. 4) 32 bit
- Control Method .....Servo-closed loop
- Controlled Axis ..... X, Y, U, V, Z
- Plus optional two rotary axis
- Least Input Increment..... 0.000004"
- Least Command Increment ..... 0.00000004"
- Interpolation..... Linear, Circular
- Maximum Programmable Dimension..... ±999.99999 in.
- Position Command ..... Coordinate Systems  
Relative, absolute and machine values
- Display Unit .....15" color liquid crystal display, Touch Screen
- Position Display ..... Five axes at a time (X, Y, U, V, Z)  
Seven axes at a time by option
- Part Program Storage and Editing .....4 MB (standard)
- Input / Output Interface.....RS232-C, Ethernet interface,  
PCMCIA-ATA style flash card, 2 USB Ports
- Scaling..... 0 to 99.9999 times
- Figure Rotation ..... ±360.00000 degrees
- Mirror Image ..... Independent X and Y axes
- Tape Code.....Auto. Switching between ISO and EIA
- Feedrate .....Cutting 0.000004-2 in./min  
Manual 4,8,12 in./min
- Rapid Traverse ..... 1 - 50"/min
- Wire Diameter Compensation..... 0 - ± 9.99999 in
- Automatic coordinate System skewing calculation

**MACHINE TOOL FEATURES**

- Floor Space (W x D) .....94 x 105 in
- Machine Weight.....4000 lbs.
- Internal Work Piece (X x Y x Z)..... 28.7 x 24.8 x 9.8 in
- Maximum Submerged Cutting Depth .....9.84in
- Maximum Work piece Weight ..... 1,100 lbs.
- Travel
  - X Axis .....15.7 in
  - Y Axis .....11.8 in
  - Z Axis.....10.2 in
  - UV Axes Travel..... ± 2.362 in
  - Rapid Traverse ..... 1 ~ 50
  - Work piece Thickness @Taper Angle..... ± 12° @ 10.0 in
  - Manual Threading (Jet Nozzle Removed)..... ± 30° @ 3.15 in
  - \*Requires optional Diamond Guides ..... ± 45° @ 1.6 in
- Positioning Accuracy (X, Y) .....± 0.0001"
- Repeatability (X, Y).....± 0.000050"
- Axes Drive Motors ..... AC Servo Motors Direct Coupled to Ball screw



- Wire Feed System
  - Wire Feed Rate.....0 ~ 590 in/min
  - Wire Tension (Servo Controlled)..... 200 ~ 2,500 g
  - Maximum Wire Spool Weight.....35 lbs
- Wire Diameter (min. to max.)..... 0.004” to 0.012”
- Wire guide – Upper & Lower Guide ..... 0.010” High Precision
- Dielectric Fluid System
  - Tank Capacity..... 145 gal (stainless steel tank)
  - Chiller Unit .....Standard
  - Dielectric Fluid .....Deionized Water
  - Resin Bottle (One Plus a Spare) .....1 cu. ft
  - Filters (2 each).....Cartridge
  - Filtering Precision .....3 Micron
  - Dielectric Fluid Resistively Control..... NC Controlled
- Cutting Conditions
  - Automatic Selection of 9 Choices for 1 Cut.....Standard
  - Automatic Selection of 9 Choices for Multiple Cut .....Standard (AI Function)
  - Automatic Selection of 3 Choices for Micro Finish Cut.....Standard

**POWER SUPPLY FEATURES**

- Programming Methods
  - G-Code Programming.....Standard
  - Built-in Easy Conversational .....Standard
  - Off-Line System via RS232 or Ethernet Interface .....Standard
- Power Supply
  - Pulse Generator Type..... Transistor Driven
  - AC or DC .....Selectable
  - Power Supply Circuit.....Transistor Pulse Circuit
  - No Loading Voltage ..... Setting Range 0 – 13
  - Cutting Voltage .....Setting Range 3 – 18
  - On Time..... Setting Range 1 – 255
  - Off Time..... Setting Range 2 – 300
  - Servo Voltage ..... Setting Range 0 – 255
  - Programmable Flushing.....Setting Range 1 - 18
  - Pulse Mode..... Setting Range – 1, 2, 3, 4, 11, 12, 13,  
14, 21, 31, 32, 33, 34
- Total Power Required..... 13 KVA  
(200/220 V ± 10%, **3 Phase**, 60 Hz)

**XXIV. FORM OF PROPOSAL**

You are invited to bid on the following **INDUSTRIAL EQUIPMENT** for the Kentucky Community and Technical College System (KCTCS), Somerset Community College, 808 Monticello St, Somerset KY 42501.

| <b>GROUP 1 – MUST BID ON ALL ITEMS WITHIN THIS GROUP TO BE CONSIDERED FOR AN AWARD</b> |  |     |  |                |
|--|--|-----|--|----------------|
| Item   | Description  | QTY | Unit Cost                              | Extended Price |
| 1  | FANUC C-iB ALPHA SERIES WIRE EDM MACHINE C400IB – 10”MED as specified on pages 6 – 9 above.  | 1   | \$                                     | \$             |
|  | <p>REQUIRED - Must be <i>either listed and labeled by a nationally recognized testing laboratory (NRTL) or certified by field evaluation and labeled by a third party acceptable to the authority having jurisdiction in Kentucky to certify compliance with applicable codes and safety requirements</i></p> <p>YES or NO _____ listed and labeled by a nationally recognized testing laboratory (NRTL)?</p> <p>YES or NO _____ certified by field evaluation and labeled by a third party acceptable to the authority having jurisdiction in Kentucky to certify compliance with applicable codes and safety requirements?</p> <p>Indicate the nationally recognized testing laboratory (NRTL) providing the listing or third party providing the field evaluation and certification<br/>_____</p> | 1   | COST OF ELECTRICAL CERTIFICATION<br>\$ | \$             |
| MANUFACTURER / MODEL BIDDING _____   |  |     |  |                |
| WARRANTY _____   |  |     |  |                |
| 2  | 35lb spool Hitachi Hard Brass 0.010” wire  | 2   | \$                                     | \$             |
| 3  | Flushing Nozzle – 6.5mm STD Upper AWF  | 2   | \$                                     | \$             |
| 4  | Lower Standard 6.5mm Nozzle  | 2   | \$                                     | \$             |
| 5  | Filter Tri-Bellow  | 2   | \$                                     | \$             |
| 6  | Set of 0.010" Die Guides (AWF)   | 1   | \$                                     | \$             |
| 7  | Set of 0.010" Die Guides (AWF) 45 Deg. Taper   | 1   | \$                                     | \$             |
| 8  | Flushing Nozzle - 4mm Upper AWF  | 2   | \$                                     | \$             |
| 9  | Lower 4mm Nozzle   | 2   | \$                                     | \$             |
| 10   | Worklight (LED Includes Cable)   | 2   | \$                                     | \$             |
| 11   | C40.20/3D Hirschmann Genesis 6" Vise Kit   | 1   | \$                                     | \$             |
| 12   | H4537 Hirschmann Vertical Vise   | 1   | \$                                     | \$             |
| 13   | H4265 Hirschmann Extendable Counter Support  | 1   | \$                                     | \$             |
| 14   | ON-SITE TRAINING (up to 3-days) `provided at the college campus. Training to include, provide instruction to designated college personnel upon completion of install<br>DESCRIBE TRAINING TO BE PROVIDED:  |     | \$                                     | \$             |

GROUP 1 – CONT'D

|                                       |  |      |    |
|---------------------------------------|--|------|----|
| 15                                    | Additional - Four (4) days operator training for up to three (3) people at an EDM Facility   | \$   | \$ |
| 16                                    | INSTALLATION - Installation must include unloading from the delivery vehicle, transporting the equipment into the building and installing/positioning the equipment at site at the time of delivery. |      |    |
| 17                                    | Freight to Somerset KY   | \$   |    |
| School Discount (If Applicable)       |  | - \$ |    |
| GROUP 1 - EXTENDED COST TOTAL         |  | \$   |    |
| Delivery: Days After Receipt of Order |  |      |    |

|                        |
|------------------------|
| <b>GROUP 2 – VM10i</b> |
|------------------------|

**VM10i SPECIFICATIONS**

|  |  |
|--|--|
| <b>X, Y, Z Axis Travel</b> .....         | 26 x 16 x 20 in (660 x 406 X 508 mm)                                       |
| <b>Spindle Nose to Table</b> .....       | 4.0 in (101.6 mm)  |
| <b>Table Size</b> .....                  | 30 x 16 in (762 x 406 mm)  |
| <b>Max Weight On Table</b> .....         | 1,500 lbs (680 kg)   |
| <b>T-Slot Size</b> .....                 | 3 x 0.71 in (3 x 18 mm)  |
| <b>Peak Spindle Motor</b> .....          | 15 hp (11.0 kW)  |
| <b>10k</b> .....                         | 54 ft/lbs @ 1,450 rpm (73.6 Nm @ 1,450 rpm)                                |
| <b>Number Of Tools</b> .....             | 20   |
| <b>Tool Type</b> .....                   | CAT 40 (BT 40)   |
| <b>Spindle Speed</b> .....               | 10,000 RPM   |
| <b>Max Tool Diameter</b> .....           | 3.5 in (90 mm)   |
| <b>Max Tool Length</b> .....             | 9.8 in (250 mm)  |
| <b>Max Tool Weight</b> .....             | 15.4 lb (7 kg)   |
| <b>Positioning Accuracy</b>              |  |
| <b>(10 Pass VDI 3441 Method):</b> .....  | -/+ 0.0002"  |
| <b>Repeatability</b>                     |  |
| <b>(10 pass VDI 3441 Method):</b> .....  | -/+ 0.0001"  |
| <b>Max Programmable Feedrate</b> .....   | 945 inches/minute (24 m/minute)  |
| <b>Rapid Traverse X,Y,Z Axis</b> .....   | 945 in/min, 945 in/min, 945 in/min (24 m/minute, 24 m/minute, 24 m/minute) |
| <b>Dynamic Variable Look Ahead</b> ..... | Capable of over 10,000 blocks at 900 ipm                                   |
| <b>Solid State Hard Drive</b> .....      | 128 GB   |
| <b>RAM Memory</b> .....                  | 4 GB   |
| <b>Machine Height</b> .....              | 99.6 in (2,530 mm)   |
| <b>Required Floor Space</b> .....        | 118.1 x 113.8 in (3,000 x 2,890.5 mm)                                      |
| <b>Machine Weight</b> .....              | 6,200 lbs - (2,818 kg)   |
| <b>Parts and Service Warranty</b> .....  | 1 Year Parts and Service   |
| <b>Software Upgrades</b> .....           | 2 Year Free Upgrade  |

**GROUP 2 - MUST BID ON ALL ITEMS WITHIN THIS GROUP TO BE CONSIDERED FOR AN AWARD**

| Item                               | Description  | QTY | Unit Cost                              | Extended Price |
|------------------------------------|--|-----|--|----------------|
| 1                                  | HURCO VM10i 3 AXIS MACHINING CENTER 3PHASE<br>as specified on page 10 above.   | 1   | \$                                     | \$             |
|                                    | <p>REQUIRED - Must be <i>either listed and labeled by a nationally recognized testing laboratory (NRTL) or certified by field evaluation and labeled by a third party acceptable to the authority having jurisdiction in Kentucky to certify compliance with applicable codes and safety requirements</i></p> <p>YES or NO _____ listed and labeled by a nationally recognized testing laboratory (NRTL)?</p> <p>YES or NO _____ certified by field evaluation and labeled by a third party acceptable to the authority having jurisdiction in Kentucky to certify compliance with applicable codes and safety requirements?</p> <p>Indicate the nationally recognized testing laboratory (NRTL) providing the listing or third party providing the field evaluation and certification</p> | 1   | COST OF ELECTRICAL CERTIFICATION<br>\$ | \$             |
| MANUFACTURER / MODEL BIDDING _____ |  |     |  |                |
| WARRANTY _____                     |  |     |  |                |

Accessories:

|   |   |       |    |    |
|---|---|-------|----|----|
| 2 | Chip Auger                                  | 1     | \$ | \$ |
| 3 | 6" Vise, 8.9" Opening – Hurco               | 2     | \$ | \$ |
| 4 | 6" Double Clamping Vise – Hurco             | 1     | \$ | \$ |
| 5 | Techniks 43 Piece Tool Holding Kit          | 2     | \$ | \$ |
| 6 | Techniks Retention Know (Non CTS 32 Pieces) | 32pcs | \$ | \$ |
| 7 | Work Light (VM Series, Left Side)           | 1     | \$ | \$ |
| 8 | OMP Part & Tool Probe Package               | 1     | \$ | \$ |

Software:

|    |  |          |    |    |
|----|--|----------|----|----|
| 9  | Win Max Classic Package                            | 1        | \$ | \$ |
| 10 | Ultipocket w/Helical Ramp Entry and Insert Pockets | 1        | \$ | \$ |
| 11 | Enhanced DXF Transfer                              | 1        | \$ | \$ |
| 12 | Swept Surface                                      | 1        | \$ | \$ |
| 13 | Tool and Material Library                          | 1        | \$ | \$ |
| 14 | NC/Conversational Merge                            | 1        | \$ | \$ |
| 15 | Rigid Tap  | 1        | \$ | \$ |
| 16 | 30 seats of software per year                      | 30 seats | \$ | \$ |

|    |  |               |      |    |
|----|--|---------------|------|----|
| 17 | Training at MFR for up to (10) ten Instructors per year  | 10<br>persons | \$   | \$ |
| 18 | INSTALLATION - Installation must include unloading from the delivery vehicle, transporting the equipment into the building and installing/positioning the equipment at site at the time of delivery. |               | \$   | \$ |
| 19 | Freight to Somerset KY   |               | \$   |    |
|    | School Discount (If Applicable)  |               | - \$ |    |
|    | GROUP 2 - EXTENDED COST TOTAL  |               | \$   |    |
|    | Delivery: Days After Receipt of Order  |               |      |    |

**KCTCS RESERVES THE RIGHT TO AWARD PER GROUP DUE TO COST SAVINGS.**

Supplier Bid Submission Checklist:

Supplier is responsible for meeting all bid requirements (including those not listed below):

YES\_\_\_ NO\_\_\_ : Pg. 1 – Invitation to Bid completed & signed

YES\_\_\_ NO\_\_\_ : Section XXIII – Supplier did not include their own terms and conditions

YES\_\_\_ NO\_\_\_ : Form Of Proposal completed

YES\_\_\_ NO\_\_\_ : Supplier meets all requirements throughout the Invitation to Bid

YES\_\_\_ NO\_\_\_ : Substitute W-9 completed

**Substitute W-9 Form**

A completed, signed KCTCS Substitute W-9 form must be submitted with the bid. This information must be obtained prior to award of a contract. Bids received without a completed W-9 form may be rejected. A form has been attached for completion.

## Kentucky Community and Technical College System Procurement to Payment

### MEMORANDUM

**TO: Potential Bidders Responding to KCTCS Invitation to Bid**

**FROM: Tonya Peters, Procure to Pay Analyst**

**RE: KCTCS Listing or Certification Requirements for Equipment or Assemblies of Equipment**

The Kentucky Community and Technical College System is a public institution of higher education organized under the laws of the Commonwealth of Kentucky. As such the authority having jurisdiction in Kentucky requires that equipment used in our facilities be either listed and labeled by a nationally recognized testing laboratory (NRTL) or certified by field evaluation and labeled by a third party acceptable to the authority having jurisdiction in Kentucky to certify compliance with applicable codes and safety requirements.

Providers of equipment listing or third party certification services are included but not limited to those indicated in the attached Excel spreadsheet. Manufacturers may use any NRTL or other third party acceptable to the authority having jurisdiction in Kentucky to certify compliance with applicable codes and safety requirements.

All equipment and assemblies of equipment offered in response to this Invitation to Bid shall be in full compliance with the above referenced listing or certification requirements. If a listing does not exist or third party certification cannot be provided for said equipment, the services of a Professional Engineer licensed in the Commonwealth of Kentucky may also be procured by the bidder to certify that the equipment has been constructed in accordance with NFPA 79 and UL 508A standards and their references.

**All costs associated with required listings or certifications shall be included in the bid price unless otherwise specified in the form of proposal.** Each piece of equipment or assembly of equipment offered in response to this bid shall either be listed and labeled or certified and labeled prior to shipment by the successful bidder.

Listing of Field Evaluators

| NAME   | STREET                                  | CITY       | STATE   | ZIP        | PHONE                        | E-MAIL   | WEB   |
|--|---|------------|---------|------------|------------------------------|--|---|
| ESA/CSA International dba ESA Field Evaluation         | 1 Terrence Matthews Crescent, Suite 130 | Ottawa     | Ontario | K2M 2G3    | 800-559-5356 or 613-271-1489 | field.evaluation@electricalsafety.on.ca                          | www.esasafe.com   |
| CertifiGroup   | 901 Sheldon Drive                       | Cary       | NC      | 27513      | 800-422-1651                 | info@CertifyGroup.com  | http://www.certifygroup.com/pages/field.htm                       |
| TUV-Rheinland of North America, Inc.                   | 12 Commerce Road                        | Newtown    | CT      | 06470      | 203-426-0888                 | info@tuv.com   | http://www.us.tuv.com/contact/in dex.aspx                         |
| QPS America, Inc.                                      | 912 County Road 27                      | Estilfork  | AL      | 35745-8048 | 877-746-4777                 | info@qps.ca  | http://www.qps.ca/  |
| Underwriters Laboratories                              | 333 Pfingsten Road                      | Northbrook | IL      | 60062-2096 | 847-854-3577                 |  | http://www.ul.com/contact.html                                    |
| MET Laboratories, Inc.                                 | 914 W. Patapsco Ave.                    | Baltimore  | MD      | 21230      | 800-638-6057                 | info@metlabs.com   | http://www.metlabs.com/pages/direct.html                          |
| Emerson Process Management, Mobile Area Service Center | 5380 Business Pkwy #1                   | Theodore   | AL      | 36582      | 251-653-5860                 |  | http://www.electro-test.com/Ccnform.html#Field%20Evaluation       |
| Intertek Testing Services NA, Inc.                     | 1717 Arlingate Lane                     | Columbus   | OH      | 43228      | 614-279-8090                 | andy.qbur@intertek.com   | http://www.intertek-ellsemko.com/portal/page/cust-portal/ITK_PGR/ |
| Pfeiffer Engineering Co.                               | 2701 Lindsay Avenue                     | Louisville | KY      | 40206-2222 | 502-897-1630 or 502-417-9358 | jcp@pfeiffereng.com  | www.PfeifferEng.com.  |
| Echo Power Engineering, LLC                            | 1002 S. Graycroft Ave                   | Madison    | TN      | 37115      | 615-692-9472 or 615-796-5131 | joel@echopowerengineering.com<br>scotty@echopowerengineering.com | www.echopowerengineering.com                                      |



# Substitute W-9 Form

Kentucky Community and Technical College System  
300 North Main Street, Versailles, KY 40383

|                     |  |                        |  |
|---------------------|--|------------------------|--|
| College:            |  |                        |  |
| College Contact:    |  | College Contact Email: |  |
| College Contact Ph: |  | College Contact Fax:   |  |

To avoid Internal Revenue Service (IRS) mandated backup withholding KCTCS is required to obtain your Taxpayer Identification Number (TIN) for reporting income paid to you or your organization. KCTCS uses a Substitute W-9 Form to obtain certification of your TIN and retains this information in its secure payee/vendor database. This form may be completed online and then printed for signature. Tab to fields and populate with your information. New Vendors must complete the entire form. Existing Vendor's may the complete shaded area of form. New and updated forms must be signed and dated.

**New Vendor (complete entire form)**       **Changes to existing vendor**

Federal Tax ID #: (Required) \_\_\_\_\_  TIN/EIN       SSN

Legal Name used for purposes of IRS reporting \_\_\_\_\_

Business Name (if different from name used for purposes of IRS reporting) \_\_\_\_\_

Does your business accept credit Cards?     Yes     No      If yes,     V i s a     M C     O t h e r : \_\_\_\_\_

Type of Business (Required):

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Corporation              | <input type="checkbox"/> Government Entity                      | <input type="checkbox"/> Foreign Nonresident Individual          |
| <input type="checkbox"/> Partnership              | <input type="checkbox"/> Foreign Entity (other than individual) | <input type="checkbox"/> Limited Liability Company               |
| <input type="checkbox"/> Non Profit/501(c) Entity | <input type="checkbox"/> U.S. Agent of Foreign Person/Entity    | <input type="checkbox"/> Individual/Sole Proprietor (US Citizen) |

Exempt from backup withholding

Other (Please Explain) \_\_\_\_\_

**Business Classification** (Required - Select only one – Does not apply to publically traded entities)

|   |   |  |
|---|---|--|
| <input type="checkbox"/> <b>Minority Business Enterprise/MBE</b><br>(please choose one sub-classification at right):<br><i>Defined as a business at least 51% owned by one or more African-Americans, Hispanics, Native Americans, Asian Pacific Americans, Asian Indian Americans, and other groups as defined by Federal law.</i> | <input type="checkbox"/> <i>Hispanic-American</i>   | <input type="checkbox"/> <i>African-American</i> |
|   | <input type="checkbox"/> <i>Asian-American</i>  | <input type="checkbox"/> <i>American Indian</i>  |
|   | <input type="checkbox"/> <i>Other (explain):</i>  |  |
| <input type="checkbox"/> <b>Women-Owned Business Enterprise/WBE</b><br><i>Defined as a business at least 51% owned by one or more women.</i>  | <input type="checkbox"/> <b>Disadvantaged Business Enterprise/DBE</b><br><i>Defined as a business at least 51% owned by at least one differently-abled, socially, or economically disadvantaged individual as defined by Federal law.</i> |  |
| <input type="checkbox"/> <b>Veteran Owned Business/VOB</b><br><i>Defined as a business at least 51% owned and operated by a service veteran.</i>  | <input type="checkbox"/> <b>Disadvantaged Veteran Owned Business/DVOB</b><br><i>Defined as a business at least 51% owned and operated by a service veteran with a service-related disability of at least 10 percent.</i>                  |  |
| <input type="checkbox"/> <b>None of the Above</b>   | <input type="checkbox"/> <b>Other (Explain):</b>  |  |

**Certification**

Under penalties of perjury, I certify that:

The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and I am a U.S. person (including a U.S. resident alien).

|                          |      |
|--------------------------|------|
| Signature of U.S. Person | Date |
| Printed Name:            |      |



|   |   |              |  |     |
|---|---|--------------|--|-----|
| <b>Purchase Order</b>   | <b>Purchase Order Information</b> <input type="checkbox"/> Check if remit address is same as PO address |              |  |     |
| Preferred Method of Receiving Purchase Orders: <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Check if there is a change to your Purchase order address |   |              |  |     |
| Vendor Name<br>(if different from above)  |   |              |  |     |
| Order to Address  |   |              |  |     |
| City  |   | State        |  | Zip |
| Sales Contact Name  |   | Email for PO |  |     |
| Sales Contact Phone   |   | Fax for PO   |  |     |
| <input type="checkbox"/> Purchase Address –<br>Change to  |   |              |  |     |
| <b>Remittance</b>   | <b>Remittance Address as it appears on your invoice</b>   |              |  |     |
| Vendor Name<br>(if different from above)  |   |              |  |     |
| Remit to Address  |   |              |  |     |
| City  |   | State        |  | Zip |
| Remit to Contact Name   |   | Email        |  |     |
| Remit to Phone  |   | Fax          |  |     |
| <input type="checkbox"/> Remit to Address –<br>Change to  |   |              |  |     |

Wherever possible we desire to replace check payments with an electronic payment (ACH - direct deposit transfer). In order to switch your payment type if already established from paper check to electronic transfer we will need your bank account information entered on this substitute W-9 form. Your email address will only be used to notify you when an electronic payment is issued, to notify you of the issuance of a purchase order, or to notify you of other official business correspondence. Your e-mail and/or banking information will not be shared or distributed outside KCTCS' Business Services Division and will be used solely for KCTCS business applications.

|  |                      |
|--|----------------------|
| <b>Direct Deposit Information (All fields are required to receive ACH electronic direct deposit payments)</b>                                |                      |
| Name on Bank Account:  |                      |
| Bank Name (include branch name if applicable):   |                      |
| Bank Routing Number (9-digit ABA #):   | Bank Account Number: |
| Mark only one (should match information noted above): <input type="checkbox"/> Checking: <input type="checkbox"/> Savings:                   |                      |
| <b>E-mail address -- Please print <i>LEGIBLY</i> -- Required for electronic notification of payment to your bank account.</b>                |                      |
|  |                      |
| Mark if this is a: <input type="checkbox"/> Establishment of a new direct deposit <input type="checkbox"/> Change of existing direct deposit |                      |
| Email change only <input type="checkbox"/> New email address to where payment notification to be sent:                                       |                      |

I hereby authorize and request KCTCS to initiate credit entries for payment to my account. If necessary, a debit entry may be made in accordance with National Automated Clearing House Association (NACHA) rules reversing a credit entry made in error at the financial institution named. The electronic payment data remains in effect until withdrawn by written notification to KCTCS, 300 North Main Street, Versailles, KY 40383.

PRINTED NAME

Authorized Signature

Date