



## NOTICE TO CONTRACTORS

Sealed proposals will be received by Cloud County Community College to the business office addressed to Caesar Wood, Vice President for Administrative Services, 2221 Campus drive, Concordia, KS. 66901 for **Plasma Table** on the **Cloud County Community College** designated in the contract proposal.

**The bids are due by 3:00pm on May 10, 2024. The bids will be opened on May 10, 2024, at 3:30 p.m. in Cook Theatre.**

Cloud County Community College is seeking a competitive bid to purchase a Plasma Table for the Technical Education and Innovation Center

We require that all bids be submitted with ***Plasma Table*** specifications as listed below, which includes pictures that demonstrate the type and model number of Plasma Table being proposed, including a specification sheet with complete product details.

Price, quality, specifications, and time of guaranteed delivery will be the determining factors in the award of the bid. The award will be made to the supplier offering the best total value to the college. All prices shall remain firm for 60 days.



# CLOUD COUNTY Community College

## Bid Specifications

- Cutting area (4' x 8')
- Dropped rails for ease of loading.
- Gantry parking to allow full sheet to be loaded overhead.
- Heavy duty steel frame – total weight for table PRO44WT: 1764lbs
- NEW Linear motion guides and bearings for improved rigidity and accuracy
- Dual side drive Y-axis to maintain square gantry and perfect motion.
- Powerful 566 oz-in motors with encoders for closed loop positional feedback and most accurate motion.
- Robust rack and pinion drive system in both axis
- Soft sense to properly establish initial torch height – critical for thin materials.
- Fully enclosed cutting head to protect key components from harsh environment
- MK4 Stand-alone operators console with touchscreen HMI
- Laser Alignment System for easy visual alignment
- Automatic voltage sampling to establish proper standoff for DTHC below.
- Digital Torch-Height Control (DTHC) Ball screw driven for most reliable and accurate delivery of the torch. Sets industry standard for maintaining the most accurate torch-to-plate standoff.
- Dynamic Cut Control (DCC) Automatically sets and adjusts amperage directly from program based on material and thickness for best cut quality. Monitors and adjusts air pressure, automatically.
- Spring loaded torch mount with sensors, eliminates damage to torch by immediately stopping motion.
- Water table has ball valve to drain port. The cutting deck is removable in two sections to completely expose water tray for clean out.
- Zoned down-draft design has 5 baffles that open/close as the gantry moves on the table, to focus exhaust ONLY directly beneath the torch.
- Touchscreen HMI with optional mouse control
- Plate Alignment – Align the cutting path with misaligned sheets on the table.
- “Connect-The-Dots” Sheet Trim to follow scrap contour to trim and maximize material utilization.
- “Point-and Click” Cut Recovery System to restart cutting process from interrupted cutting.
- Standard and Advanced screens for operators with varying experience
- Advanced Importer for JPEG/DXF/DWG/DSTV files, as well as pre-nested DXF or DWG files
- Automatic Lead-ins and toolpath generation as standard
- Wireless keyboard and mouse for ease of use
- Dual core CPU Intel i3 processor, 128GB solid state hard drive, 4 GB RAM
- External USB and Ethernet connection for customer networking



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- TeamViewer remote diagnostics and/or training through WIFI or Ethernet connection
- E-stop safety button
- EDUCATIONAL PACKAGE – Our educational package includes our advanced CAD program, CAM network casting dongle (up to 50 users at one time) and our educational curriculum.
- Powermax SYNC 65– Max pierce capacity 5/8” steel.
- SYNC Machine Torch X 35’ LONG
- Work Lead - Ring Terminal
- Swift-Cut Custom Consumable Kit
- Swift-Mark Engraving System– pneumatic tool permanently mounted next to torch for marking part numbers, press brake bend lines, layout work, etc.
- Custom three-stage air filtration for proper air quality to Hypertherm Powermax unit and to ensure best cut quality.
- Water Conditioning: 5 Gallons Anti-rust for water tray
- On-Site Commissioning and training



\*Please explain if your proposal does not meet the specifications, and a justification for this bid.



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Warranty Requirements: Please list all warranties provided in the proposal.

The price quoted in the bid shall be all inclusive, including delivery.

Attach warranty, maintenance, and support information with your bid.

Attach detailed documentation about the vehicles being proposed, including detailed.

documentation of the corresponding equipment that is listed in this bid.

Please list any special conditions or additional discounts in this proposal.

*The Board of Trustees reserves the right to reject any and or all bids per the Cloud County Community College Policies.*