



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

Director Barbara Jo Crea
Deputy Director Gary Quinn
Commissioner Virginia E. Haines
Commissioner John P. Kelly
Commissioner Frank Sadeghi

101 Hooper Avenue
Toms River, New Jersey
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(732)929-2005
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Board Meeting Agenda

Date: August 21, 2024 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

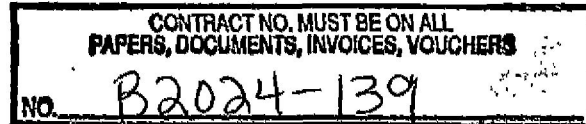
Agenda: Awarding a Contract for the furnishing and delivery of COMPUTER NUMERICAL CONTROL ROUTER to Techno CNC Systems, LLC, the lowest qualified bidder. (B2024-139)

Official Resolution#	2024001287						
Meeting Date	08/21/2024						
Introduced Date	08/21/2024						
Adopted Date	08/21/2024						
Agenda Item	j-10						
CAF #							
Purchase Req. #	B2024-139						
Result	Adopted						
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Crea	<				<		
Quinn	<			<	<		
Haines	<		<		<		
Kelly	<				<		
Sadeghi	<				<		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board



RESOLUTION

August 21, 2024

WHEREAS, on August 6, 2024, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of COMPUTER NUMERICAL CONTROL ROUTER for the County of Ocean; and

WHEREAS, at the advertised time, responses were received from the following bidders:

Name and Address of Bidder

Techno CNC Systems, LLC
29 Trade Zone Drive
Ronkonkoma, NY 11779
(631) 648-7481 x 100

Sierra Victor Industries Response
610-B Oak Place
Port Orange, FL 32127

Name and Address of Bidder

Kings Dream, LLC
158 South 9th Street
Newark, NJ 07107
(908) 342-7503

Kijero, LLC
16890 Church Street, Building 16
Morgan Hill, CA 95037
(669) 220-6801

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bid, according to specifications, be accepted, namely, TECHNO CNC SYSTEMS, LLC.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY,

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract for the furnishing and delivery of Computer Numerical Control Router for the County of Ocean, for the contract period from date of award through August 20, 2025, a period of one (1) year, or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15, as follows:

A. TECHNO CNC SYSTEMS, LLC for one (1) item, to wit:

ITEM NO. 1.

This vendor has extended this contract to County Cooperative Contract System Participants.

2. Payments for the materials to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2024-139.

BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Vehicle Services, and Techno CNC Systems, LLC, the successful bidder.

[TECHNO CNC SYSTEMS] RESPONSE DOCUMENT REPORT

Bid No: TBD

COMPUTER NUMERICAL CONTROL ROUTER

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Detailed_Quotation.pdf

12. Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

Confirmed

13. Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Confirmed

PRICE TABLES**COMPUTER NUMERICAL CONTROL ROUTER**

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Make/Model:	Warranty Details:	Comments:
1	New Computer Numerical Control Router, Model Techno Titan Series 4896, As Specified, or Equal	1	EA	\$62,775.00	\$62,775.00	Techno Titan Series 4896	1 year parts only	

Introduced on: August 21, 2024

Adopted: [TECHNO CNC SYSTEMS] RESPONSE DOCUMENT REPORT

Official Resolution #: 2024001287

COMPLIANCE PAGES FOR COMPUTER NUMERICAL CONTROL ROUTER

ITEM #1 – NEW COMPUTER NUMERICAL CONTROL ROUTER, MODEL TECHNO TITAN SERIES 4896, AS SPECIFIED, OR EQUAL

COMPLIANCE

YES **NO**

Process Area:

X-Axis Travel = 51.0"

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Y-Axis Travel = 98.0"

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Z-Axis Travel = 11-1/2" (300mm)

☒ ☐

Gantry Clearance = 7-1/2" (200mm)

Machine must not exceed overall size: W=84", L=128", H=71"

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Frame:

Designed using finite element analysis. Base frame, gantry, and uprights are plate and tubular steel construction that are stress relieved and precision machined

☒ ☐

Drive System:

750 watt Yaskawa AC Servo motors and drives, or equal. Connected via high speed Ethernet connection. Servo gear motors must be directly coupled to the precision helical pinion directly drive on the rack thus providing smooth high speed, high power to X and Y axes.

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System Power Requirements:

10HP pump requires a dedicated 208-230V, 3-phase, 40 amp circuit.

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Machine controls and spindle require 208-230V, 3-ph 50 amp circuit

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Clean, dry, non-fluctuating 90 psi air required (5CFM)

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Control System:

Techno model 01080137 handheld control pendant with pre-programmed macros.

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CNC Control macros features include:

Easy to read programmed buttons

Start, stop, and pause buttons

E-stop on hand-held pendant

Real time feed, speed and spindle override

Single button for XY zero

Easy one stroke automatic tool length calibration

Pre-programmed go-to-origin macro

Full CNC dust hood control with manual override

Single button control for manual load/unload of tool

X and Y straight and diagonal jog control

Toggle between low and high speed jogging

Step jog for fine incremental control

Resume breakpoint-function

Built-in-help tips menu

Single button for safety clearance position

Absolute and relative coordinates control

Send to home button

☒ ☐

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COMPLIANCE PAGES FOR COMPUTER NUMERICAL CONTROL ROUTER

Page 2 of 3

**ITEM #1 - NEW COMPUTER NUMERICAL CONTROL ROUTER, MODEL TECHNO TITAN
SERIES 4896, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES NO

Control System: (Cont'd)

Compatibility: G & M code

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Drive system: Herion brand, or equal, Precision Helical rack-n-pinion on X / Y
(no ball screws drives over the length of 24" permitted).

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Linear rails: 25 mm THK brand, or equal

☒ ☐

Repeatability: +/- .003 inches

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Max. Rapid traverse speed: 1500 in/min

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Approx. weight = 3500lbs

☒ ☐

Spindle: 12HP HSD ES915 Automatic Tool Changer with long nose

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Fully programmable speeds from 6,000 to 24,000 RPM

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Includes: Five (5) ISO 30 tool holders, and Five (5) ER32 collets.

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Dust Hood:

Must have pneumatically operated dust hood with 6" connection that concentrates air
flow at the spindle for optimal performance. Vacuum hood must have full CNC
up/down control via handheld control interface. Ultra-quiet operation.

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Tool Calibration:

Two (2) Tool calibration touch pads must be provided. 1st for automatically recording tool
length offsets and 2nd for Z zero calibration.

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Vacuum Table:

High flow multi-zone Phenolic vacuum t-slot table with electro pneumatic valve control.

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Vacuum Pump:

10HP (7.5kw) Rotary vane vacuum pump, Specs: 176 CFM, 22Hg vacuum

☒ ☐

Material Stops:

Includes (3) pneumatically operated pop-up pins for easy sheet
alignment.

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Software:

Vectric Vcarve. Must include tooling library with pre-calculated tooling speeds
and feeds.

☒ ☐

COMPLIANCE PAGES FOR COMPUTER NUMERICAL CONTROL ROUTER

ITEM #1 – NEW COMPUTER NUMERICAL CONTROL ROUTER, MODEL TECHNO TITAN SERIES 4896, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

25 pc Tooling Kit for Wood, Plastic, and Aluminum:

Includes:

- One (1) 2-1/2" spoilboard insert cutter
- Three (3) 1/4" compression bits
- Three (3) 3/8" compression bits
- Three (3) 1/8" O-Flute upcut for plastic
- Three (3) 1/4" O-Flute upcut for plastic
- Three (3) 1/8" O-Flute upcut for aluminum
- Three (3) 1/4" O-Flute upcut for aluminum
- One (1) 90 Degree v-groove bit
- One (1) 60 Degree v-groove bit
- Two (2) 1/4" down-cut for solid wood
- Two (2) 3/8" down-cut for solid wood, and a fully labeled silkscreened wood case.



19 pc Sign Makers Tooling Kit.

Includes:

- One (1) 1-1/4" cutter
- One (1) 120 Degree v-groove bit
- One (1) 90 Degree v-groove bit
- Two (2) 60 Degree v-groove bit
- Three (3) 1/4" O-Flute plastic bit
- Three (3) 1/8" O-Flute plastic bit
- Three (3) 1/4" O-Flute aluminum bit
- Three (3) 1/8" O-Flute aluminum bit
- Two (2) 30 degree x .004 tip engraving bit and a fully labeled silkscreened wood case.



Extras

Warranty 1-year.



Technical support, application assistance, remote diagnostics, shall be free for the life of the machine.



1-Day onsite training

