



Date: June 20, 2024
From: Bert Falak, Director
Subject: Bid Prices for CNC Mills and Lathes

To Whom It May Concern:

The enclosed materials are being submitted to your firm requesting bid prices for equipment items. The bid proposal form and bid documents are also available for download at the following website address: <https://northeasttechnicalhighschool.k12.sd.us/>. All items available through your business must be quoted as F.O.B. Watertown, SD. This is a request for prices only and is not an order for shipment.

The bid opening is scheduled for 10:00 AM, Monday, July 15, 2024, at the NTHS Main Office, 1311 3rd Avenue NE. Please submit the bid proposal form and supporting documentation in a sealed envelope with the bidder name and address and the words **"CNC Mills and Lathes"** clearly identified on the envelope prior to the bid opening date and time to:

Bert Falak, Director
Northeast Technical High School
1311 3rd Avenue NE
Watertown, SD, 57201

Thank you for your interest.

A handwritten signature in blue ink that reads "Bert Falak".

Bert Falak



BID PROPOSAL FORM – CNC Mills and Lathes

As per the General and Detailed Bid Specifications provided by Northeast Technical High School in reference to the purchase of up to four CNC Mills and Lathes for the NTHS Machining program, our company offers the following bid, which will remain in effect for a minimum of 45 days from the bid opening date of Monday, July 15, 2024. The following prices are F.O.B. Watertown, SD.

BASE BIDS:

NTHS intends to purchase up to up (4) CNC Mills and Lathes, two of each type as noted. If purchasing multiple items results in cost savings, please provide additional information in the Notes below. Refer to attached General and Detailed Specifications for more details. Items should be bid on a per-item basis, quantity of one (1). Bid Price to include Shipping and/or Freight to NTHS, unless specified otherwise.

Option 1 CNC Mini Mill \$ _____/each

Option 2 CNC Mini Lathe \$ _____/each

Option 3 Bundle (all four machines) \$ _____ Total with shipping

(Refer to attached General and Detailed Specifications for more detail.)

Notes in relation to the above price quote:

SUBMITTED BY

Company _____

Address _____

City/State/Zip _____

Contact Name & Title _____

Email _____ Phone _____

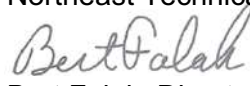
SUBMISSION DATE _____

GENERAL SPECIFICATIONS

June 20, 2024

1. Sealed bids for furnishing CNC Mills and Lathes will be received by Northeast Technical High School of Codington County, South Dakota until 10:00 AM, Monday, July 15, 2024, at the NTHS Main Office, 1311 3rd Avenue NE, Watertown, South Dakota. Please contact Bert Falak, Director, at (605) 882-6380, for any questions you may have regarding the bid documents or process. All bids will be opened and tabulated at said time, referred for study, and acted upon by the NTHS Board at its next scheduled meeting.
2. Bidding Form: NTHS requests that bidders use the Bid Proposal Form which is entitled "**BID PROPOSAL FORM – CNC Mills and Lathes**". Bidders will be furnished with an electronic copy of said Bid Proposal Form upon request. The bid proposal form and bid documents are also available for download at the following website address: <https://northeasttechnicalhighschool.k12.sd.us/> Please complete and return one (1) copy to Bert Falak, Director, 1311 3rd Avenue NE, Watertown, SD, 57201. **Bidder shall clearly mark on the envelope with "CNC Mills and Lathes."**
3. Addenda/Revisions: In the event that it becomes necessary to clarify or revise this Bid Memo, Specifications and/or Attachments, such clarification or revision will be by addendum. Any addenda will become part of the bid package and any contract awarded as a result of the bid opening. All addenda will be available at the following website address: <https://northeasttechnicalhighschool.k12.sd.us/> There are no designated dates for release of addenda. Interested bidders should check the bids website on a daily basis from time of bid package posting through bid opening. It is the sole responsibility of the bidder to be knowledgeable of all addenda related to this procurement
4. Equal Clause: Where names and model numbers of certain manufacturer's items are mentioned in the Specifications or Bid Proposal Form, other names and model numbers of like nature, utility or merit, may be submitted; but the bidder must furnish complete data to show that his items are equal to that specified. The School Board reserves the right to determine whether the items are of equal value to the items as specified and the right to determine and select the items it feels are most suitable to the needs of the District. If bidder is bidding a different item than the specified, the bidder shall indicate the make and model numbers of like nature, utility or merit may be submitted; but the bidder must furnish complete data to show that his items are equal to that specified.
5. Awarding of Contracts: The board reserves the right to contract with the lowest responsible bidder whose unit bid price per item is lowest. Bidders are requested to extend the unit bid price per item to the total price per item for the quantity specified in the space provided on the Bid Proposal Form.
6. Time of Delivery: All items shall be delivered and tested before October 31, 2024. If unable to meet this timeline, please indicate in Notes section on bid form. Winning bid must coordinate equipment delivery schedules with NTHS. All bids shall be F.O.B. Watertown, South Dakota.
7. Guarantee: The successful bidder shall guarantee said items against defects in materials and workmanship for a period of one year from the date of delivery. All items bid shall be the latest model of manufacture as indicated by serial number. This paragraph not applicable to used equipment.
8. Applicable Taxes: Bid amounts must include all applicable taxes. Typically, the District is exempt from State, County or Municipal sales tax. Exemption Certificates will be furnished by the NTHS upon request.
9. State Sales Tax Requirement: Public corporations in South Dakota, such as NTHS, may not purchase goods or services from any retailer who fails or refuses to collect and remit sales tax.
10. The NTHS Board reserves the right to reject any and all bids and to waive informalities.
11. By virtue of statutory authority, preference will be given to contractors, labor, materials, products, and supplies found or produced within the State of South Dakota in a manner provided by law.

Northeast Technical High School



Bert Falak, Director

DETAILED SPECIFICATIONS

CNC Mills and Lathes

In addition to the "GENERAL SPECIFICATIONS" provided, the following, more detailed requirements are set forth for supplying the proposed CNC Mills and Lathes. Please contact Bert Falak at (605) 882-6380, for any questions you may have regarding the bid documents or process.

QUANTITY:

NTHS intends to purchase up to 4 CNC Mills and Lathes – to satisfy the specifications included in Attachment A.

BASE BID:

The base bid shall include CNC Mills and Lathes with capabilities as outlined in Attachment A.

EQUAL QUALITY AND FUNCTIONALITY CLAUSE:

Bidder must furnish complete data to show that their items are equal to that specified in quality, performance, and functionality. The NTHS Board reserves the right to determine whether the items are of equal quality, performance, and functionality to the items as specified and the right to determine and select the items they feel are most suitable to the needs of the District.

SERVICE AGREEMENT:

All proposals must outline a service agreement that provides timely replacement or repair of defective or damaged items. Bidder must provide service agreement that allows any item to be repaired or replaced within seven days of notification.

Northeast Technical High School



Bert Falak, Director

Attachment A: Detailed Specifications

OPTION 1: CNC Mini Mill

Preferred Make: Haas
Preferred Model: Haas Mini Mill
Quantity: 2 (budget permitting)

Specifications and Features

TRAVELS	S.A.E
X Axis	16.00 in
Y Axis	14.00 in
Z Axis	15.00 in
Spindle Nose to Table (~ max)	19.0 in
Spindle Nose to Table (~ min)	4.0 in
SPINDLE	S.A.E
Max Rating	10.0 hp
Max Speed	8000 rpm
Max Torque	45.0 ft-lbf @ 500 rpm
Drive System	Direct Speed, Belt Drive
Taper	CT or BT 40
Bearing Lubrication	Grease Packed
Cooling	Air Cooled
TABLE	S.A.E
Length	36.0 in
Width	12.0 in
T-Slot Width	0.626 in to 0.630 in
T-Slot Center Distance	4.33 in
Number of Std T-Slots	3
Max Weight on Table (evenly distributed)	500 lb
FEEDRATES	S.A.E
Max Cutting	650 ipm
Rapids on X	800 ipm
Rapids on Y	800 ipm
Rapids on Z	800 ipm
AXIS MOTORS	S.A.E
Max Thrust X	2000 lbf
Max Thrust Y	2000 lbf
Max Thrust Z	2000 lbf
TOOL CHANGER	S.A.E
Type	Carousel
Capacity	10 or 20
Max Tool Diameter (full)	3.5 in
Max Tool Weight	12.0 lb
Tool-to-Tool (avg)	4.20 s
Chip-to-Chip (avg)	5.00 s
GENERAL	S.A.E

Coolant Capacity	45 gal
AIR REQUIREMENTS	S.A.E
Air Required	4 scfm @ 100 psi
Inline Air Hose	3/8 in
Coupler (Air)	3/8 in
Air Pressure Min	80 psi
DIMENSIONS - SHIPPING	S.A.E
Domestic Pallet	90.0 in x 80.0 in x 92.0 in
Export Pallet	90.0 in x 80.0 in x 92.0 in
Weight	4450 lb
ELECTRICAL SPECIFICATION	S.A.E
Spindle Speed	8000 rpm

Required Options that must be included in bid

- 10,000 RPM Grease packed Spindle
- Wireless Intuitive Probing System
- Rigid Tapping with up to 8X retract speed
- Includes front work table and storage shelf
- 4" Vise
- 6" Vise
- 1-year extended warranty (2 years total)

OPTION 2: Mini Lathe

Preferred Make: Haas
Preferred Model: Haas TL-1 Tool Room Lathe
Quantity: 2 Machines (budget permitting)

Standard Equipment

SWING DIAMETER	S.A.E
Over Front Apron	20.0 in
Over Cross Slide	11.0 in
CAPACITIES	S.A.E
Chuck (optional)	8.0 in
Max Cutting Length (varies with workholding)	30.0 in
Max Cutting Diameter (varies with turret)	16.0 in
Between Centers	30.0 in
TRAVELS	S.A.E
X Axis	8.00 in
Z Axis	30.00 in
FEEDRATES	S.A.E
Rapids on X	450 ipm
Rapids on Z	450 ipm
AXIS MOTORS	S.A.E
Max Thrust X	3894 lbf
Max Thrust Z	1947 lbf
SPINDLE	S.A.E
Spindle Nose	A2-5
Max Rating	10.0 hp

Max Speed	1800 rpm
Max Torque	108.0 ft-lbf @ 355 rpm
Spindle Bore ø	2.30 in
AIR REQUIREMENTS	S.A.E
Inline Air Hose	3/8 in
Coupler (Air)	3/8 in
Air Pressure Min	80 psi
ELECTRICAL SPECIFICATION	S.A.E
Spindle Speed	1800 rpm
Drive System	Direct Speed, Belt Drive
Spindle Power	10.0 hp
Input AC Voltage (1 Phase)	220 VAC
Full Load Amps (1 Phase)	40 A
Input AC Voltage (3 Phase) - Low	220 VAC
Full Load Amps (3 Phase) - Low	25 A
Input AC Voltage (3 Phase) - High*	440 VAC
Full Load Amps (3 Phase) - High*	13 A
DIMENSIONS - SHIPPING	S.A.E
Domestic Pallet	89.0 in x 66.5 in x 83.0 in
Export Pallet	89.0 in x 66.5 in x 83.0 in
Weight	4200 lb
Domestic Pallet w/Conveyor	121 in x 70 in x 83 in
Export Pallet w/Conveyor	121 in x 70 in x 83 in
Weight w/Conveyor	4620 lb

Required Options that must be included in bid

- 3000-RPM Spindle 10HP A2-6 Spindle Nose 3.5 spindle bore
- 4-Station Turret for ¾ turning tools
- Electronic Handwheels for X and Z axes
- Manual Tailstock MT-4 manual quill
- 8" 3-Jaw manual scroll chuck
- TL tooling Starter Kit
- 1-year extended warranty (2 years total)

OPTION 3: Bundle Price

Package price for all 4 machines and accessories with shipping.

Additional requirements:

- Warranty
- **Bid Price to include Shipping and/or Freight to NTHS, unless specified otherwise.**