

**FORM A: BID**  
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF A COMPUTER NUMERICAL CONTROL MILLING MACHINE

2. Bidder

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Usual Business Name of Bidder as it appears on Invoice (if different from above)

\_\_\_\_\_  
Street

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

(Mailing address if different)

\_\_\_\_\_  
Email Address of Bidder

\_\_\_\_\_  
Facsimile Number

\_\_\_\_\_  
Street or P.O. Box

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

(Choose one)

\_\_\_\_\_  
GST Registration Number (if applicable)

The Bidder is:

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

\_\_\_\_\_  
Contact Person

\_\_\_\_\_  
Title

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Facsimile Number

\_\_\_\_\_  
Email Address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	Dated
_____	_____
_____	_____
_____	_____

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures The Bidder or the Bidder's authorized official or officials have signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Signature of Bidder or  
Bidder's Authorized Official or Officials

\_\_\_\_\_  
\_\_\_\_\_  
(Print here name and official capacity of individual whose signature appears above)

\_\_\_\_\_  
\_\_\_\_\_  
(Print here name and official capacity of individual whose signature appears above)

**FORM B: PRICES**  
(See B9)

SUPPLY AND DELIVERY OF A COMPUTER NUMERICAL CONTROL MILLING MACHINE

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Computer Numerical Control Milling Machine	14038	Each	1	

\_\_\_\_\_  
Name of Bidder

## FORM N: DETAILED SPECIFICATIONS 14038

### **COMPUTER NUMERICAL CONTROL MILLING MACHINE**

#### **1.0 DESCRIPTION OF EQUIPMENT**

- 1.1 These specifications describe a **Computer Numerical Control Milling Machine** and other Equipment and features as specified herein.
- 1.2 The Computer Numerical Control Milling Machine shall be a new 2014 model year or newer.
- 1.3 The Computer Numerical Control Milling Machine and all other items/components shall be the manufacturer's latest models. The vehicle shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the vehicle into successful operation shall be furnished as though specifically mentioned in these specifications. The complete vehicle, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry

#### **2.0 SERVICE FACILITY**

- 2.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

#### **3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

- 3.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.
- 3.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 3.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

#### **4.0 OTHER SPECIFICATIONS AND STANDARDS**

- 4.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 4.2 The **Computer Numerical Control Milling Machine** and all its components and attachments shall comply with the applicable regulations:

Manitoba Regulation 217/2006.: [Part 16 Machines, Tools and robots. Section 16.5\(2\).](#)

[CSA Z432-04: Safeguarding of Machinery](#)

**5.0 MAKE AND MODEL: ELIGIBLE MODEL-HASS TM-3P TOOLROOM MILL (VERTICAL MACHINING CENTER) OR EQUIVALENT IN ACCORDANCE TO B6. SUBSTITUTES.**

**5.1 SPECIFICATIONS**

**BIDDER TO STATE  
 "YES" OR STATE  
 DEVIATION**

**MACHINE**

5.2	Height	Approx. 105 in.	_____
5.3	Width	Approx. 121 in.	_____
5.4	Depth	Approx. 98"	_____
5.5	Weight	Approx. 5900 lbs.	_____
5.6	Air supply	4 scfm at 100 psi.	_____
5.7	Volts/Phase	208-240 VAC 3-phase or 240 VAC 1-phase, 50-60 Hz	_____
5.8	Lifting provision	Built-in attachment points for lifting the machine	_____

**TABLE**

5.9	Width	Approx. 14.5 in.	_____
5.10	Length	Approx. 57.8 in.	_____
5.11	Table capacity	Approx. 1000 lbs. evenly distributed	_____
5.12	T-slot width	Approx. 0.625 in.	_____
5.13	Center distance	Approx. 4.00 in.	_____

**AXIS TRAVEL**

5.14	X axis	Approx. 40 in.	_____
5.15	Y axis	Approx. 20 in.	_____
5.16	Z axis	Approx. 16 in.	_____
5.17	Spindle nose to table	Approx. 4-20 in.	_____

**SPINDLE**

5.18	Taper size	#40 taper	_____
5.19	Spindle speed	0 to 6000rpm	_____
5.20	Power rating	Approx. 7.5 hp (5.6 kW)	_____
5.21	Torque rating	Approx. 33 ft-lb (45 Nm) @ 1200 rpm	_____
5.22	Drive system	Direct speed, belt drive	_____
5.23	Spindle bearings	ABEC Class 7	_____

5.24 Spindle orientation Electronic \_\_\_\_\_

**FEED RATES**

5.25 Rapids on X, Y, Z axes 400 ipm (5.1 m/min) \_\_\_\_\_

5.26 Cutting rate 400 ipm (5.1 m/min) \_\_\_\_\_

**AXIS MOTORS**

5.27 Thrust rating 2000 lbs. \_\_\_\_\_

**TOOL CHANGER**

5.28 Tool Capacity 10- pocket \_\_\_\_\_

5.29 Tool type CT 40 \_\_\_\_\_

5.30 Maximum tool diameter Approx. 3.5 in. assuming full carousel \_\_\_\_\_

5.31 Maximum tool weight Approx. 12 lbs. assuming full carousel \_\_\_\_\_

5.32 Tool changer type All electric, bidirectional \_\_\_\_\_

**OPTIONS**

Note: Options to be included with Form  
B: Prices.  
Auger style

5.33 Chip conveyor \_\_\_\_\_

5.34 Probe system Wireless Intuitive Probing system;  
Renishaw \_\_\_\_\_

5.35 Working light For work area, part inspection, job  
setup and change over \_\_\_\_\_

5.36 Rigid tapping Synchronized tapping \_\_\_\_\_

5.37 Tooling Certificate Thomas Skinner Tooling Certificate \_\_\_\_\_

5.38 Tooling Certificate Sandvik Tooling Certificate \_\_\_\_\_

5.39 Four hour, on-site Operational  
training and Four hour on-site  
maintenance training. With installation \_\_\_\_\_

5.40 Coolant pump kit 1/8 hp \_\_\_\_\_

5.41 Transformer Internal high-voltage \_\_\_\_\_

6.0 **WARRANTY**

6.1 Upon request, complete details of warranties shall be made available  
within twenty-four (24) hours of the request of the Contract Administrator. \_\_\_\_\_

- 6.2 The warranty for the Computer Numerical Milling Machine shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of 12 months Any article that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City. The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg. Please provide complete warranty details with the bid submission
- 
- 

7.0 **TRAINING**

- 7.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The training shall be conducted in separate or combined sessions for each group of personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Pricing should be based on two (2) business days for maintenance personnel and two (2) business days for operating personnel.

Note: The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

- 7.2 Training Aides:
- 

a) On the type of equipment being offered, **state if CD Rom training aides or on-line training are available**

---

- 7.3 What is the recommended minimum training duration for:

Primary unit:

For major attachments (if applicable):

---

- 7.4 State what other training aids are available (videos, CDs).

For the primary unit:

For major attachments (if applicable):

---

- 7.5 Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to:

Equipment Operator Training Branch

960 Thomas Avenue  
Winnipeg, MB  
R2L 2E1

Leanne Guertin  
Equipment Operator Training Consultant

Cell: 204-451-3793  
Contact e-mail: [lguertin@winnipeg.ca](mailto:lguertin@winnipeg.ca)

8.0 **DELIVERY AND INSTALLATION**

- 8.1 Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 215 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order.
- 8.2 Delivery Time: **nine to ten (9-10) calendar weeks** from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.
- 8.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment.
- 8.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list
- 8.5 Contractor shall install machine.

9.0 **MANUALS**

- 9.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.
- 9.2 The following manuals shall be supplied with the units when delivered:
- a) Operator's manual – Two (2) per unit  
(one operator manual shall be sent to the Equipment Operator Training Branch

b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred.