



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada**  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 1T3  
Nova Scotia  
Bid Fax: (902) 496-5016

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government  
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> Tool Presetter	
<b>Solicitation No. - N° de l'invitation</b> W355B-171551/A	<b>Date</b> 2017-05-16
<b>Client Reference No. - N° de référence du client</b> W355B-17-1551	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-321-10112	
<b>File No. - N° de dossier</b> HAL-6-77147 (321)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-06-27</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Standard Time AST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Baurin, Bruno	<b>Buyer Id - Id de l'acheteur</b> hal503
<b>Telephone No. - N° de téléphone</b> (902) 496-5345 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF NATIONAL DEFENCE BLDG D200 DR 13 7HD HALIFAX NOVA SCOTIA B3K5X5 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 3C9  
Nova Scot

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## PART 1 - GENERAL INFORMATION

### 1.1 Security Requirements

1. Before award of a contract, the following conditions must be met:
  - (a) the Bidder must hold a valid organization security clearance as indicated in Part 6 - Resulting Contract Clauses;
  - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 6 - Resulting Contract Clauses;
  - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. For additional information on security requirements, Bidders should refer to the [Industrial Security Program \(ISP\)](http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html) of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.

### 1.2 Requirement

Fleet Maintenance Facility Cape Scott (FMFCS) have a requirement for the supply, installation, start-up and training of one (1) new Tool Presetter suitable for the optical coordinate measuring and inspection of machine tool cutter profiles (lengths, diameters, offsets, shapes). This information is used in Computerized Numerical Control (CNC) programming machines that manufacture new and replacement parts and pieces to required precision tolerance three dimensional shapes for surface and underwater vessels.

### 1.5 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## PART 2 - BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2017-04-27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

## **2.2 Submission of Bids**

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

## **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

## **2.5 Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (two hard copies)

Section II: Financial Bid (one hard copies)

Section III: Certifications (one hard copies)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green](#)

**Procurement** (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

**Section I: Technical Bid**

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

**Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

**Section III: Certifications**

Bidders must submit the certifications and additional information required under Part 5.

**PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

**4.1 Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

**4.1.1 Technical Evaluation**

**4.1.1.1 Mandatory Technical Criteria**

As fully detailed in Annex A.

**4.1.2 Financial Evaluation**

*SACC Manual* Clause [A0220T](#) (2014-06-26), Evaluation of Price

**4.2 Basis of Selection**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

**PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION**

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

## **5.1 Certifications Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid.

### **5.1.1 Integrity Provisions - Declaration of Convicted Offences**

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

## **5.2 Certifications Precedent to Contract Award and Additional Information**

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

### **5.2.1 Integrity Provisions – List of Names**

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as a sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

### **5.2.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969) website ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969)).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

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## PART 6 - RESULTING CONTRACT CLAUSES

### 6.1 Security Requirements

**6.1.1** The following security requirements (SRCL and related clauses provided by ISP) apply and form part of the Contract.

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid **Designated Organization Screening (DOS)**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).

2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must **EACH** hold a valid **RELIABILITY STATUS**, granted or approved by CISD/PWGSC.

3. Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of CISD/PWGSC.

4. The Contractor/Offeror must comply with the provisions of the:

- (a) Security Requirements Check List and security guide (if applicable), attached at Annex C;
- (b) Industrial Security Manual (Latest Edition).

### 6.2 Requirement

The Contractor must provide the items detailed under the Requirement in Annex A.

### 6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

#### 6.3.1 General Conditions

2010A (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 6.4 Term of Contract

#### 6.4.2 Delivery Date

All the deliverables are requested on or before July 31, 2017.

### 6.5 Authorities

#### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Bruno Baurin  
Title: Supply Officer  
Public Works and Government Services Canada

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Buyer ID - Id de l'acheteur  
HAL321  
CCC No./N° CCC - FMS No./N° VME

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Acquisitions Branch  
Atlantic Region

Address: 1713 Bedford Row  
Halifax, Nova Scotia  
B3J 1T3

Telephone: 902-496-5345  
Facsimile: 902-496-5016  
E-mail: Bruno.baurin@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### 6.5.2 Project Authority

The Project Authority for the Contract is: (to be completed at contract award)

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 6.5.3 Contractor's Representative

The Contractor's Representative for the Contract is: (*Bidder to complete*)

Name:  
Title:  
Organization:  
Address:

Telephone:  
Facsimile:  
E-mail address:

## 6.7 Payment

### 6.7.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price(s), as specified in Annex "B" for a cost of \$\_\_\_\_\_. (To be determined at contract award). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the work.

#### **6.7.2 Limitation of Price**

SACC Manual clause C6000C (2011-05-16) Limitation of Price

#### **6.7.3 Method of Payment**

SACC Manual clause H1000C (2008-05-12) Single Payment

#### **6.8 Invoicing Instructions**

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

The original and one (1) copy must be forwarded to the following address for certification and payment.

Department of National Defence  
MAR. FORCES ATL. FMF CAPE SCOTT  
Bldg. D200, Finance, 3<sup>rd</sup> Floor  
PO Box 99000, STN Forces  
Halifax, NS  
B3K 5X5

#### **6.9 Certifications**

##### **6.9.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

#### **6.10 Applicable Laws**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

#### **6.11 Priority of Documents**

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A, Goods Medium Complexity (2016-04-04);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_ (insert date of bid)

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### **6.13 SACC Manual Clauses**

B1501C – Electrical Equipment (2006-06-16)  
G1005C – Insurance Requirement (2016-01-28)

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## ANNEX "A"

### REQUIREMENT

#### TOOL PRESETTER PURCHASE DESCRIPTION

Fleet Maintenance Facility Cape Scott (FMFCS) have a requirement for the supply, installation, start-up and training of one (1) new Tool Presetter suitable for the optical coordinate measuring and inspection of machine tool cutter profiles (lengths, diameters, offsets, shapes). This information is used in Computerized Numerical Control (CNC) programming machines that manufacture new and replacement parts and pieces to required precision tolerance three dimensional shapes for surface and underwater vessels.

#### 1.0. Tool Presetter Specifications:

##### 1.1.) Tool Presetter Construction:

- a.) Type: ..... Manual Bench Top Model,
- b.) Base and column: ..... Thermally Balanced Material,
- c.) Overall dimensions:
  - 1.) Length, maximum (max.): ..... 1200 Millimeter (mm);
  - 2.) Depth, max.: ..... 900 mm;
  - 3.) Height, max.: ..... 1200 mm;
- d.) Weight, max.: ..... 270 Kilograms (Kg);
- e.) Axes (X and Z) Guide Ways: .....  
Hardened and ground slides with recirculating ball bearings,
- f.) Axes (X and Z) Measurement: ..... Optical profile,
- g.) Axes (X and Z) Movement:
  - 1.) Rapid: ..... Manual hand wheels,
  - 2.) Fine adjustment: ... Manual micrometric hand wheels
  - 3.) Axes locking mechanism: ..... Pneumatic control,

##### 1.2.) Tool Presetter Tool Capacities:

- a.) Diameter, min.: ..... 350 mm;
- b.) Length, max.: ..... 650 mm;
- c.) Spindle, tool weight, max.: ..... 60 Kg,

##### 1.3.) Tool Presetter Accuracies:

- a.) Axes (X and Z) resolution, min.: .....one (1)  $\mu\text{m}$ ,
- b.) Axes (X and Z) linear deviation, max. : .....four (4)  $\mu\text{m}$ ,

##### 1.4.) Tool Spindle:

- a.) Type: ..... Cartridge for interchangeable tool holders,
- b.) Interchangeable tool holder size: ..... ISO 50,
- c.) Spindle rotation, min: ..... 360 Degrees ( $^{\circ}$ ),
- d.) Spindle stop: ..... Operator controlled braking system,
- e.) Tool taper retention clamping force, min. .... 250 Kg,
- f.) Spindle runout, at spindle, max. : .....eight (8)  $\mu\text{m}$ ,

##### 1.5.) Vision System:

- a.) Magnification Power Range: ..... 30 to 45 Times (X);

- b.) Lens type/resolution: Telecentric complete with (C/W) Complementary Metal-Oxide Semiconductor (C/MOS) Image Sensor resolution of 0.001 mm,
- c.) Tool surface inspection illuminator.....Diascopic,
- d.) Touch screen type: .....LCD,
- e.) Touch screen size range: ..... 380 mm to 440mm;

1.6) Measuring Functions:

- a.) Full screen auto targeting,
- b.) Optical autofocus for largest and widest axes (X and Y) dimensioning,
- c.) Radial and axial runout,
- d.) Axes (X and Y) focusing control bar,
- e.) Automatic radius and angle computing,
- f.) Radius and diameter,
- g.) Millimeters and inches,
- h.) Absolute and incremental,
- i.) Analog and digital visualization,
- j.) Tool profile photograph to differentiate between cutting edges,
- k.) Number of inspection contrasting colours, min.: .... four (4),

1.7.) Operation and Software Description:

- a.) Processor type: ..... INTEL®,
- b.) Data storage: ..... Solid State Drives (SSD),
- c.) Communication ports: ..... RS232 and/or USB;
- d.) Radio frequency identification system (RFID) for tool detection,
- e.) Printer support software,
- f.) Storage of different machine specifications, up to 9999,
- g.) CNC machine origin management,
- h.) Storage of different cutting tool specifications, up to one (1) million,\_\_\_
- i.) Tool list management.

**2.0. Electrical Requirement:**

- 2.1.) The Tool Presetter shall be wired by the manufacturer using their standard commercial practice to operate on 115volts, single phase, 60 hertz building power,
- 2.2) The machine shall be completely wired by the manufacturer prior to delivery,
- 2.3) All electrical equipment shall be suitably encased to prevent the ingress of moisture or oil and to protect it from physical damage.

**3.0. Standard Equipment and Accessories:**

All standard equipment and accessories required shall be completely compatible with each other and Tool Presetter the specified herein.

**NOTE:** All accessories, quantity: (qty.) one (1) unless otherwise designated.

- a.) Presetter stand, must be manufacturer's proprietary design capable of supporting the Tool Presetter, tool and accessories herein specified;
- b.) Label writer printer...Dymo S450 C/W communication cable or equivalent label printer,
- c.) Labels for 3.0. b.), package of ten (10), qty. two (2),
- d.) ISO 40 rotating tool holder,
- e.) CAT 40 resetting inspection gauge,
- f.) CAT 50 resetting inspection gauge,

- g.) Extended warranty to a total of two (2) years.

**4.0. Delivery, Installation, Calibration and Commissioning:**

Fleet Maintenance Facility Cape Scott (FMFCS) requires a "Turnkey" installation. All work is to be done during normal work week (Monday through Friday) and business hours (full working day: 8:00 hrs. to 16:00 hrs.). The following is a description of this service with FMFCS and the Contractor responsibilities:

- 4.1.) Fleet Maintenance Facility Cape Scott responsibilities:
- a.) Have the installation area cleared of all non-essential material,
  - b.) Will provide riggers, crane operator if required and lifting appliances to move the Tool Presetter shipping package into position within Building D200, Machining Services Shop after getting from the Receiving Stores.
  - c.) Will provide electrical connection point, 115 Volt, Single Phase, 60 Hertz and machine required services: compressed air regulated to 90 PSI, including piping to a connection point.
- 4.2.) Contractor responsibilities:

**NOTE:** Installation, calibration and commissioning personnel must be the Tool Presetter manufacturer's trained Field Service Representative (FSR) capable of performing all responsibilities of unpacking, levelling, machine set-up, electrical power and compressed air connection, on site calibration, maintenance and operator training. The contractor shall, as part of the bid submission, shall submit documentation clearly indicating the FSR's training.

- a.) Delivery to: Building Fleet Maintenance Facility Cape Scott, HMC Dockyard, Maritime Forces Atlantic, Door 13, Bldg. D-200, Halifax, Nova Scotia B3K 5X5, Canada,
- b.) A Hazard assessment and contractor health and safety plan must be submitted to Fleet Maintenance Facility Cape Scott Project manager prior to work beginning,
- c.) The installation shall include unpacking, delivery inspection, cleaning, levelling, and connection to electrical and compressed air connections,
- d.) After the FSR and FMFCS final acceptance of the installation, start up and maintenance and operator training shall commence
- e.) Maintenance and operator training must be provided for a minimum of two (2) full working days at our facility in FMFCS, Halifax, Nova Scotia. The dates of this service will be scheduled by DND in accordance with delivery,

**5.0. Documentation Required:**

- 5.1) Manufacturers original hard copy equipment manuals, quantity: two (2), containing:
- a.) Installation manual,
  - b.) Maintenance manual,
  - c.) Operating manual,
  - d.) Parts list,
  - f.) Electrical circuit diagrams
  - g.) Machine accuracies and test documentation,

This information is to be shipped to FMFCS Industrial Engineering Manager or his/her designated representative within 30 days after the acceptance of the contract to purchase. Photocopies will not be acceptable,

**Note:** In addition to 5.1), if it is the manufactures normal procedure is to supply digital documentation as well, the following information must accompany the equipment:

5.2) Digital documentation manual set on CD-ROM complete/with (c/w):

- a.) Installation manual,
- b.) Operating manual,
- c.) Maintenance manual,
- e.) Parts list,
- f.) Electrical circuit diagrams,
- g.) A letter of permission to reprint manuals or partial sections from the supplied CD-ROMs must be sent to the FMFCS Industrial Engineering Manager or his/her designated representative. This letter shall be in the form of an email.

5.3) FMFCS Industrial Engineering Manager mailing address:

FMFCS Industrial Engineering Manager  
Fleet Maintenance Facility Cape Scott  
Building D 200, Rm 3351,  
P.O. Box 99000 Stn. Forces,  
Halifax, Nova Scotia  
B3K 5X5

## **6.0. Electrical Certification:**

6.1.) The equipment being supplied must be certified by an acceptable Electrical Certification Organization. The following Certification Organizations are acceptable. The electrical control must bear a label from one of these organizations in order to be recognized as approved.

- a.) Canadian Standards Association (CSA),
- b.) QPS/Entela,
- c.) Intertek Testing Services,
- d.) Underwriters Laboratories of Canada (ULC),
- e.) Underwriters Laboratories Inc. (UL),
- f.) Met Laboratories Inc. (MET),
- g.) TUV Rheinland of North America,
- h.) Quality Auditing Institute (QAI),
- i.) TUV America Inc

**NOTE:** Labels from all Organizations above (with the exception of CSA and ULC), must be accompanied by a small "c" at the eight o'clock position or Canadian Standard number to indicate the product has been certified to the Canadian Standard.,

6.2.) Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labelled by the Canadian Standards Association (CSA), QPS/Entela, Intertek Testing Services, MET Laboratories, TUV America Inc, Underwriters Laboratories of Canada under the Special Inspection Program.  
**This inspection must take place before equipment delivery to FMF Cape Scott and a copy of verification documentation report must accompany the machine with delivery**

- a.) Canadian Standards Association (CSA),
- b.) QPS/Entela,

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- c.) Intertek Testing Services,
- d.) Met Laboratories Inc. (MET),
- e.) TUV America Inc.,
- f.) Underwriters Laboratories of Canada (ULC).

#### **8.0. WARRANTY:**

The equipment shall be guaranteed to be free from manufacturing and operational defects for a total period of two (2) years from the date it was set-to-work by the contractor's Field Service Representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Manager or his/her designated representative. The contractor shall be responsible for the provision of labour, parts, and field service at their own expense during the term of the warranty period and shall make good all defects within ten (10) days of being informed by Industrial Engineering Officer or his/her designated representative that it is required. All other warranties over and above those specified service herein shall be considered valid.

Proposals which do not meet all of the Mandatory Technical Requirements at the bid closing will be considered to be non-compliant and will be given no further consideration. The evaluation will only be based on the information provided with the bid. References to Internet sites or information that is not included will not be evaluated.

The Bidder must provide equipment literature to prove that the equipment complies with each and every one of the Mandatory Technical Specifications specified in Annex "A" Requirement. Simply stating "yes" or "compliant" will not be sufficient for the purpose of this evaluation. Failure to meet the requirements of all of the Mandatory Technical Specifications will result in the bid being declared as non-compliant.

Proof can be provided in the form of equipment literature, brochure, engineering drawing, specification of the product or written narrative which clearly demonstrates how the proposed goods meet each and every one of the Mandatory Technical Specifications.

**The Bidder must reference the page number and section of the submitted literature which proves their proposal complies with each and every one of the Mandatory Technical Specifications.**

**Minimum Mandatory Specifications**

**MR1 Tool Presetter Specifications**

**COMPLIANT**

Item	Description	Reference to supporting documentation (Bid page #)	COMPLIANT	
			YES	NO
1.1 a	Construction Type: Manual Bench Top Model			
1.1 b	Construction Base and Column: Thermally Balanced Material			
1.1 c (i)	Construction Dimensions: maximum length 1200 mm			
1.1 c (ii)	Construction Dimensions: maximum depth 900 mm			
1.1 c (iii)	Construction Dimensions: maximum height 1200 mm			
1.1 d	Maximum weight 270 kgs			
1.1 e	Axes (X and Z) Guide Ways: hardened and ground slides with recirculating ball bearings			
1.1 f	Axes (X and Z) measurement: optical profile			
1.1 g (i)	Axes (X and Z) movement rapid: manual hand wheels			

<b>1.1 g (ii)</b>	Axes (X and Z) movement fine adjustment: manual micrometric hand wheels			
<b>1.1 g (iii)</b>	Axes (X and Z) movement axes locking mechanism: pneumatic control			
<b>1.2 a</b>	Tool Capacities: Diameter: min 350 mm			
<b>1.2 b</b>	Tool Capacities: Length: max 650 mm			
<b>1.2 c</b>	Tool Capacities: Spindle, tool weight: max 60 kg			
<b>1.3 a</b>	Accuracies: Axes (X and Z) resolution: min 1 µm			
<b>1.3 b</b>	Accuracies Axes (X and Z) linear deviation: max 4 µm			
<b>1.4 a</b>	Tool Spindle: Type: cartridge for interchangeable tool holders			
<b>1.4 b</b>	Tool Spindle: Interchangeable tool holder size: ISO 50			
<b>1.4 c</b>	Tool Spindle: Spindle rotation: min 360°			
<b>1.4 d</b>	Tool Spindle: Spindle stop: operator controlled braking system			
<b>1.4 e</b>	Tool Spindle: Tool taper retention clamping force: min 250 kg			
<b>1.4 f</b>	Tool Spindle: Spindle runout, at spindle: max 8 µm			
<b>1.5 a</b>	Vision system: Magnification power range: 30x to 45x			
<b>1.5 b</b>	Vision system: Lens type/resolution: telecentric complete with complementary metal-oxide semiconductor image sensor resolution of 0.001 mm			
<b>1.5 c</b>	Vision system:			

	Tool surface inspection illuminator: diasopic			
<b>1.5 d</b>	Vision system: Touch screen type: LCD			
<b>1.5 e</b>	Vision system: Touch screen size range: 380mm to 440mm			
<b>1.6 a</b>	Measuring functions: Full screen auto targeting			
<b>1.6 b</b>	Measuring functions: Optical autofocus for largest and widest axes (X and Y) dimensioning			
<b>1.6 c</b>	Measuring functions: Radial and axial runout			
<b>1.6 d</b>	Measuring functions: Axes (X and Y) focus control bar			
<b>1.6 e</b>	Measuring functions: Automatic radius and angle computing			
<b>1.6 f</b>	Measuring functions: Radius and diameter			
<b>1.6 g</b>	Measuring functions: Millimeters and inches			
<b>1.6 h</b>	Measuring functions: Absolute and incremental			
<b>1.6 i</b>	Measuring functions: Analog and digital visualizations			
<b>1.6 j</b>	Measuring functions: Tool profile photograph to differentiate between cutting edges			
<b>1.6 k</b>	Measuring functions: Number of inspection contrasting colors: min 4			
<b>1.7 a</b>	Operation and software: Processor type: INTEL®			
<b>1.7 b</b>	Operation and software: Data storage: SSD			
<b>1.7 c</b>	Operation and software: Communication ports: RS232 and/or USB			

<b>1.7 d</b>	Operation and software: Radio frequency identification system for tool detection			
<b>1.7 e</b>	Operation and software: Printer support software			
<b>1.7 f</b>	Operation and software: Storage of different machine specifications: 9999			
<b>1.7 g</b>	Operation and software: CNC machine origin management			
<b>1.7 h</b>	Operation and software: Storage of different cutting tool specifications: 1,000,000			
<b>1.7 i</b>	Operation and software: Tool list management			

**MR2 Personnel Resources**

Installation, calibration and commissioning personnel must be the Tool Presetter manufacturer's trained Field Service Representative (FSR) capable of performing all responsibilities of unpacking, levelling, machine set-up, electrical power and compressed air connection, on site calibration, maintenance and operator training. The contractor shall, as part of the bid submission, shall submit documentation clearly indicating the FSR's training.

**COMPLIANT**

<b>Item</b>	<b>Description</b>	<b>Reference to supporting documentation (Bid page #)</b>	<b>YES</b>	<b>NO</b>
<b>2.1</b>	Includes documentation clearly indicating trained Field Service Representative's (FSR) training.			

**MR3 Electrical Requirement**

**COMPLIANT**

<b>Item</b>	<b>Description</b>	<b>Reference to supporting documentation (Bid page #)</b>	<b>YES</b>	<b>NO</b>
<b>3.1</b>	The Tool Presetter shall be wired by the manufacturer using their standard commercial practice to operate on 115volts, single phase, 60 hertz building power			
<b>3.2</b>	The machine shall be completely wired by the manufacturer prior to delivery,			
<b>3.3</b>	All electrical equipment shall be suitably			

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	encased to prevent the ingress of moisture or oil and to protect it from physical damage.			
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**MR4 Electrical Certification**

The equipment being supplied must be certified by an acceptable Electrical Certification Organization. The following Certification Organizations are acceptable. The electrical control must bear a label from one of these organizations in order to be recognized approved.

**COMPLIANT**

Item	Description	Reference to supporting documentation (Bid page #)	YES	NO
4.1	Certified by an acceptable Electrical Certification Organization.			

**Identify which Organization shall be used:**

	Check one
Canadian Standards Association (CSA)	
QPS/Entela	
Intertek Testing Services	
Underwriters Laboratories of Canada (ULC)	
Underwriters Laboratories Inc. (UL)	
Met Laboratories Inc. (MET)	
TUV Rheinland of North America	
Quality Auditing Institute (QAI)	
TUV America Inc.	

Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labelled by the Canadian Standards Association (CSA), QPS/Entela, Intertek Testing Services, MET Laboratories, TUV America Inc, Underwriters Laboratories of Canada under the Special Inspection Program. This inspection must take place before equipment delivery to FMF Cape Scott and a copy of verification documentation report must accompany the machine with delivery.

**Identify which Organization shall be used:**

	Check one
Canadian Standards Association (CSA)	
QPS/Entela	
Intertek Testing Services	
Met Laboratories Inc. (MET)	
TUV America Inc.	
Underwriters Laboratories of Canada (ULC)	

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**MR5 Warranty**

**COMPLIANT**

<b>Item</b>	<b>Description</b>	<b>Reference to supporting documentation (Bid page #)</b>	<b>YES</b>	<b>NO</b>
5.1	Minimum 2-year warranty			

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## ANNEX "B"

### BASIS OF PAYMENT

The price of the bid will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, DDP Incoterms 2000, Canadian Customs Duties and Excise Taxes included.

<u>Description</u>	<u>Qty.</u>	<u>Unit of Issue</u>	<u>Price</u>
Supply, delivery, installation and testing of tool presetter, as fully detailed in Annex A	1	Each	\$
Training of tool presetter, as fully detailed in Annex A	1	Lot	\$
		<b><u>Total</u></b>	\$

**Make and Model:** \_\_\_\_\_

- **Lowest Aggregate Bidder**