

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-044
Name of the item to be scouted:	Multi-Tasking 5-Axis Mill Turning Center
State item to be used in:	Maryland
Describe the Item:	
<p>Please describe the item application/the end use of the item.</p>	<p>Two multi-tasking 5-Axis Mill Turning Centers is necessary to permit precise, high-quality manufacturing, and IT sustainability with regards to C1-Axis positioning, tool set up, control software, training, and accuracy. Market Research In accordance with FAR 10.002(b) (2) (i), this Supplier Scouting Opportunity is for the purpose of conducting market research. This is not a Request for Proposal/Quotation and does not represent a commitment by the Government to issue a solicitation/award a contract.</p>
Supplier Information:	
Type of Supplier Being Sought (select from the list below):	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
Reason for Scouting Submission (select from the list below)	
2nd Supplier	x
Price	
Re-Shore	
Past supplier no longer available	
New Product Startup	
BABA	
Other (Please Specify)	
Summary of Technical Specifications and Performance Requirements:	
<p>Describe the manufacturing processes (elaborate to provide as much detail as possible)</p>	<p>Mechanical Assembly of two multi-tasking 5-Axis Mill Turning Centers</p>
<p>Provide dimensions / size / tolerances / performance specifications of the item</p>	<p>• MAIN SPINDLE BORE DIAMETER - 76MM (2.99") • MAIN SPINDLE MOTOR - 22KW (30HP) • MAIN SPINDLE SPEED 5,000 RPM • MAIN SPINDLE - C1-AXIS POSITIONING 0.0001 DEGREE CONTOURING • SECOND SPINDLE MOTOR - 18.5KW (25HP) • SECOND SPINDLE SPEED 5,000 RPM 1 • SECOND SPINDLE - C2-AXIS POSITIONING 0.001 DEGREE WITHOUT • CONTOURING • MILL-SPINDLE SPEED 12,000 RPM / 12KW (OIL & AIR LUBRICATION) • B-AXIS 0.0001 DEGREE CONTOURING (REQUIRES EIA/ISO) Spindles - Milling • MILL-SPINDLE SPEED 20,000 RPM - HSK / 24KW (OIL & AIR LUBRICATION) Tool Changers - Magazines / Stockers (HSK) • 74 TOOL HSK MAGAZINE Tooling - Tooling Accessories • TURRET WORK STOPPER (FOR Ø32MM BORING BAR HOLDER)</p>

<p>List required materials needed to make the product, including materials of product components, if applicable</p>	<p>Tool Changers • FRONT TOOL SET-UP UNIT • 38 TOOL HSK MAGAZINE Tooling • NUMBER DISPLAY MAGAZINE PANEL (TOOL ID N/A) Work holding • OPEN CYLINDER (MAIN SPINDLE) • (FACTORY INSTALLED) • CLOSED CYLINDER (SECOND SPINDLE) • AUTOMATIC CHUCK JAWS OPEN / CLOSE (MAIN AND SECOND SPINDLE) • CHUCK OPEN/CLOSE CONFIRMATION (MAIN AND SECOND SPINDLE) CNC Control • 19" COLOR LCD (TOUCH SCREEN) • MCAFFEE EMBEDDED CONTROL • EIA/ISO PACKAGE • SMOOTH STANDARD SOFTWARE FOR MACHINING CENTER • 3-D COORDINATE CONVERSION • B) G00 SLOPE CONSTANT • B) CYLINDRICAL (G07) & POLAR COORDINATE (G12)(EIA) • DIRECT ENTRY OF DRAWINGS DIMENSIONS • SMOOTH SYNCHRONOUS TAPPING (MILLING-SPINDLE) • EIA MAIN SPINDLE & MILL SPINDLE SIMULTANEOUS ROTATION • INCH/METRIC CONVERSION • SD MEMORY I/F(1-PORT) + USB I/F(1-PORT) • LAN PORT • USB I/F (1-PORT) • SAFETY SHIELD (AUTOMATIC & MANUAL OPERATION) • AI THERMAL SHIELD • SMOOTH RESTART FUNCTION • AUTO TOOL CHANGER AUTO RECOVERY • V-AXIS CONTROL FUNCTION • RELOCATION DEVICE • WINDOWS 10 OPERATING SYSTEM FOR MAZAK MACHINE CONTROL Chip and Coolant Management • COMPLETE COOLANT SYSTEM • COOLANT THROUGH MILLING HEAD • 71PSI (5KG) THROUGH MILL SPINDLE COOLANT / FLOOD COOLANT • SIMULTANEOUS DISCHARGE • SHOWER COOLANT (MAIN SPINDLE) • PREPARATION ONLY FOR CHIP CONVEYOR SIDE DISCHARGE (HINGE OR CONSEP) • CHUCK AIR BLAST (SECOND SPINDLE) Probing • TOOL EYE (AUTOMATIC) • Accuracy • ABSOLUTE POSITIONING SYSTEM (LINEAR AXES) • X, Y, Z PITCH ERROR COMPENSATION INPUT • COOLERS FOR BALL SCREW (X, Y, Z-AXIS)</p>
<p>Are there applicable certification requirements?</p>	
<p>Yes</p>	
<p>No</p>	<p>x</p>
<p>Please explain:</p>	
<p>Are there any applicable regulations that apply to the production of this item?</p>	
<p>Yes</p>	
<p>No</p>	<p>x</p>
<p>Please explain:</p>	
<p>Are there any other standards / requirements?</p>	
<p>Yes</p>	
<p>No</p>	<p>x</p>
<p>Please explain:</p>	
<p><u>Additional Comments:</u></p>	
<p>Additional technical comments:</p>	
<p><u>Volume and Pricing:</u></p>	
<p>Estimated Potential Business Volume (i.e. #units per day, month, year):</p>	<p>2 multi-tasking 5-Axis Mill Turning Centers</p>
<p>Estimated Target Price/Unit Cost Information:</p>	<p>\$650,000.00</p>
<p><u>Delivery Requirements:</u></p>	
<p>When is it needed by? (Immediate, 30 days, 6 months, etc.)</p>	<p>11 months</p>
<p>Describe packaging requirements (i.e. individually/group packaging, etc.)</p>	<p>Boxed and FOB Destination</p>
<p>Where will this item be shipped?</p>	<p>Gaithersburg, Maryland</p>
<p><u>Additional Comments:</u></p>	
<p>Is there other information you would like to include?</p>	<p>Market Research In accordance with FAR 10.002(b) (2) (i), this Supplier Scouting Opportunity is for the purpose of conducting market research. This is not a Request for Proposal/Quotation and does not represent a commitment by the Government to issue a solicitation/award a contract.</p>