



**DEPARTMENT OF THE NAVY
INDIAN HEAD DIVISION
NAVAL SURFACE WARFARE CENTER
3767 STRAUSS AVE, SUITE 201
INDIAN HEAD, MD 20640-5150**

**JUSTIFICATION AND APPROVAL
FOR USE OF OTHER THAN FULL AND OPEN COMPETITION
UNDER FAR SUBPART 8.4, FEDERAL SUPPLY SCHEDULES**

1. Contracting Activity

The Naval Sea Systems Command (NAVSEA), Naval Surface Warfare Center NSWC, Indian Head Division, Procurement Department, Code A23. The requiring activity is the Naval Surface Warfare Center, Naval Explosive Ordnance Disposal Technology Division (NAVEODTECHDIV) Indian Head, Maryland, 20640.

2. Description of the Action Being Approved

This is an award of a GSA order on a limited source basis for the purchase of Sodick VZ500L Wire Electronic Discharge Machine, with options, and a Flow M3-1313b Integrate Waterjet System. The proposed action will result in a Firm Fixed Priced GSA order to be awarded to Machine Tools USA Inc, 62 Heron Harbor Way, Hudgins, VA 23076.

3. Description of Supplies

The contract is for Sodick VZ500L Wire Electronic Discharge Machine, with options, and a Flow M3-1313b Integrate Waterjet System.

The Sodick VZ500L Wire Electronic Discharge Machine is a high performance linear motor drive wire-cut EDM. Features include: super-jet AWT (high speed Automatic wire threader), wire-tip disposal unit, anti-electrolysis circuit, dielectric cooling unit (chiller), multi-line transformer, advanced corner control, auto-cutting condition selection, auto-cutter compensation selection, remote pendant control, 15" touch screen LCD and mouse, automatic power recovery unit, automatic voltage regulator, LAN connection port, USB Port and 1 GB USB memory stick, heart-NC CAM software, water deionizer, tool kit and clamps, 0.25 mm (0.010") wire guides (1 set), wire alignment block, flushing nozzles, uninterruptable power supply (UPS). With the following options: L-cut wire chopper, guide set.

The M3-1313b Integrated Waterjet System features: work envelope, machine positional specifications, drive system, machine speed ranges, flow master PC-based controller, clean cut material support system, high pressure whip plumbing package, Paser ECI plus cutting system.

The unit cost for the Sodick VZ500L Wire Electronic Discharge Machine and the M3-1313b integrated Waterjet System is summarized at Table 1.

Table 1: Unit Costs for Machine Tools USA

Sodick VZ500L Wire Electronic Discharge Machine	1		
Machine Option- L Cut wire chopper	1		
Guide Set	1		
M3-1313b Integrated Waterjet System	1		
*Total			

*Total cost for the Sodick VZ500L Wire Electronic Discharge Machine, with options, and the M3-1313b integrated Waterjet System. Shipping costs are included in the price.

The Sodick VZ500L Wire Electronic Discharge Machine, with options, and the M3-1313b integrated Waterjet System will be shipped in a single shipment 16-18 weeks after receipt of the delivery order.

Table 2: Estimated Dollar Value¹

RDT&E			
Total			

The Government's minimum needs have been verified by the certifying technical and requirements personnel.

4. Statutory Authority Permitting Other Than Full and Open Competition

This acquisition is being conducted under the authority of the Multiple Award Schedule Program (see Federal Acquisition Regulation (FAR) 8.401) and FAR 8.405-6, Limited Sources Justification and Approval.

5. Rationale Justifying Use of Cited Statutory Authority

Sodick VZ500L Wire Electronic Discharge Machine, with options, and the M3-1313b integrated Waterjet System features are unique due to its provision of a high performance linear motor drive wire-cut EDM. Features include: super-jet AWT (high speed Automatic wire threader), wire-tip disposal unit, anti-electrolysis circuit, dielectric cooling unit (chiller), multi-line transformer, advanced corner control, auto-cutting condition selection, auto-cutter compensation selection, remote pendant control, 15" touch screen LCD and mouse, automatic

¹ IAW NMCARS 5206.304(a) If the dollar value of the contract is negotiated at a level that exceeds the dollar threshold of the original justification approval authority, a new justification approval shall be obtained from the appropriate approval authority prior to award.

power recovery unit, automatic voltage regulator, LAN connection port, USB Port and 1 GB USB memory stick, heart-NC CAM software, water deionizer, tool kit and clamps, 0.25 mm (0.010") wire guides (1 set), wire alignment block, flushing nozzles, uninterruptable power supply (UPS). With the following options: L-cut wire chopper, guide set.

The M3-1313b Integrated Waterjet System features: work envelope, machine positional specifications, drive system, machine speed ranges, flow master PC-based controller, clean cut material support system, high pressure whip plumbing package, Paser ECI plus cutting system.

The Sodick VZ500L Wire Electronic Discharge machine features a control interface that is already familiar to the Model Shop personnel. This allows for a much more seamless integration into model shop workflow with minimal interruption for familiarization. Though the initial training is necessary, the already existing familiarity allows for the maximum efficiency as the machine is integrated with current machinery. Due to the importance of many of the immediate fleet needs that the Model Shop undertakes through Navy EOD Technology Division efforts, it is imperative that disruptions have the least impact possible on workflow. Workflow through the model shop often times must meet tight deadlines in order to support the ever changing needs of our EOD warfighters. The introduction of the VZ500L and M3-1313b will effectively increase current model shop capabilities while minimizing the impact on projects that depend on the model shop for support. The Sodick VZ500L Wire Electronic Discharge Machine with options and the M3-1313b Integrated Waterjet System are compatible with the systems that are currently in use.

Machine Tool is the only authorized GSA distributor to sell the Sodick VZ500L Wire Electronic Discharge Machine and M3-1313b Integrated Waterjet System.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable

This item is on the GSA Federal Supply Schedules. An extensive search was performed via internet, GSA Advantage and phonecon with John from Sodick to find any additional manufacturers or distributors that could provide the Sodick VZ500L Wire Electronic Discharge Machine, with options, and the M3-1313b integrated Waterjet System. Sodick does not sell this item directly. It must be purchased through the distributor. There are no other manufacturers or distributors that could meet our requirements.

7. Determination of Fair and Reasonable Cost

In accordance with the GSA Federal Supply Service (FSS) Contract Number GS-07F-9323G, the Contracting Officer has determined that the order covered by this Justification represents the best value consistent with FAR 8.404(d).

8. Actions to Remove Barriers to Competition

For the reasons set forth in Paragraph 5, NAVEODTECHDIV has no plans at this time to compete future contracts for the types of supplies covered by this document. If another potential source emerges, NAVEODTECHDIV will assess whether competition exists.

TECHNICAL/REQUIREMENTS CERTIFICATION (FAR 8.405-6(g)(2)(x))

I certify that the facts and representations under my cognizance, which are included in this justification and its supporting data, except as noted herein, are complete and accurate to the best of my knowledge and belief.

TECHNICAL COGNIZANCE

[REDACTED]

REQUIREMENTS COGNIZANCE:

[REDACTED]

CONTRACTING OFFICER CERTIFICATION (FAR 6.303-2(a)(12))

I certify that this justification is accurate and complete to the best of my knowledge and belief.

[REDACTED]

LEGAL SUFFICIENCY REVIEW (NMCARS 5206.303-90)

I have determined this justification is legally sufficient.

[REDACTED]

APPROVAL BLOCK (FAR 8.405-6(h)(1) for Approving Official)

Upon the basis of the above justification, I hereby approve, as the Contracting Officer, the proposed procurement(s) using limited sources in accordance with FAR 8.401 and 8.405-6.

C [REDACTED] FFICER

Signature

Renee Brown
Name (Print)

8/15/12
Date