

## JUSTIFICATION FOR SOLE SOURCE/BRAND NAME SOLE SOURCE

<b>PO Number:</b>		
The effort listed on this form is for:	<input checked="" type="checkbox"/> Supply	<input type="checkbox"/> Service
The material and/or service listed on this form is:	<input checked="" type="checkbox"/> Sole Source	<input type="checkbox"/> Brand Name

**Restricted to the following source or manufacturer:**

- **Manufacturer/Source:**  
Haver Tyler, Inc. DBA W. S. Tyler
  
- **POC and Phone Number:**
  
- **Address:**  
8570 Tyler Blvd.  
Mentor, OH 44060

**Description of the item(s) or service(s) required and the estimated cost(s):**

Item#	MFG Name	MFG Part#	Description	Qty	U/I	Unit Price	Ext Price
1	W. S. Tyler	Haver Tyler 2-1	Haver Tyler 2-1 Real Time Particle Size Analyzer System. For sizes between 34 microns and 4 mm. Includes computer system, shipping, software, service, setup, and on-site training.	1	EA		
<b>TOTAL</b>							

1. List the Required Delivery Date (RDD) or Period of Performance (POP):

**The required delivery date is four weeks after the award of contract.**

2. Specify characteristics of the material or service that limit the availability to a sole source/brand product (unique features, function of the item, etc.). Describe in detail why only this source/brand can furnish the requirements to the exclusion of other sources/brands.

**The Naval Postgraduate School has a requirement for a machine that can analyze particle sizes of an entire sample of debris collected from gun impact: the machine must be able to examine every individual particle over 34 microns, and must not require any liquid contact with the sample. Traditional sieve stack or dynamic light scattering techniques, methods for which many suppliers offer solutions, do not meet these requirements. The specialized nature of the requirements are met by a machine at W. S. Tyler that uses a combination of high-speed video, a vibratory conveyor, and digital image analysis software to take data on every piece of debris within the required size range. NPS market research has not revealed any other product that meets our specialized requirements for small-scale fragment analysis.**

3. Indicate if the requested material or service represents the minimum requirements of the Government.

**The requested material or service represents the minimum requirements of the government to complete the necessary laboratory work and research efforts at the Naval Postgraduate School.**

4. Indicate if the material or service must be compatible in all aspects (form, fit, and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect or interface with the existing system.

**Though this machine does not directly integrate into any other systems, it must be able to provide individual data on particulate of the materials of interest to NPS. These materials are typically brittle metal composites and their impact debris can be very small (mostly below 100 microns). W. S. Tyler used a sample of the NPS material to demonstrate that their machine can successfully generate the data necessary for the research project.**

5. Does a patent, copyright or proprietary data limit competition?

N/A

6. Are the items "direct replacement" parts/components for existing equipment? If so, provide the information about the Next Higher Assembly (NHA)/equipment which the replacement parts are going into (e.g., description, model, part number, Original Equipment Manufacturer (OEM), etc.).

N/A

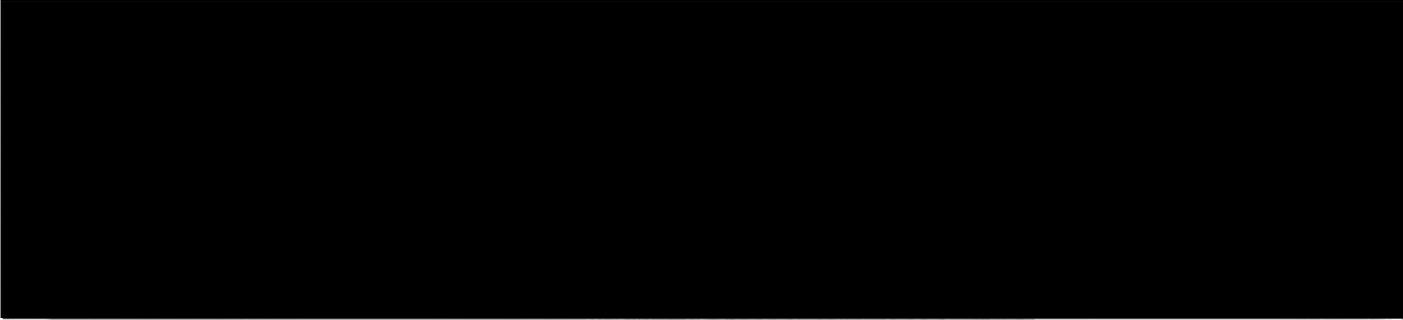
7. Provide any additional information to support a sole source/brand name sole source procurement. The rationale must justify "either" substantial duplication of cost to the Government that is not recovered through competition or unacceptable delays in fulfilling the mission of the agency.

**NPS is unaware of another vendor offering a solution that meets our requirements, but if a sole source were not awarded then unacceptable delays would result in the research process. NPS has spent several months preparing its research and fragment collection process for the type of**

**imaging-based fragment collection offered by the W. S. Tyler machine. In addition, W. S. Tyler has provided a direct test on sample NPS material that ensures its machine will meet our requirements. If another vendor were awarded this contract, NPS would need to reorient its fragment collection techniques and would not be able to meet the necessary deadlines for student thesis completion and research performance for funding sponsors.**

**TECHNICAL OR REQUIREMENTS CERTIFICATION**

**I CERTIFY THAT THE STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE SOURCE/BRAND NAME SOLE SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.**



**CONTRACTING OFFICER APPROVAL:**

