



Single Source Justification (Simplified Acquisition)

Section A: General Contract Information

Is this a Bridge Action as defined in the [AF Bridge Action Reduction Plan](#)? Yes No

Contracting Activity: AFSC/PZIMA

Project/Program Name: GRIT BLAST TO GLASS BEAD CONVERSION

Purchase Request / Local ID Number: TBD/ BAF# 72556

Estimated Contract Cost (including Options): [REDACTED]

Section B: Description of the Supplies/Services Required

Due to the circumstances described herein, the activity requests authority to acquire the necessary materials, parts, labor, travel, shipping and installation necessary to perform an upgrade and conversion on the Robotic Grit Blast Machine identified as Progressive Surface Project #1633 with Serial #9062. listed in this document using Other Than Full and Open Competition as prescribed by 10 U.S.C. 3572, Implementation of Simplified Acquisition Procedures (41 U.S.C. 1901). This action will result in the award of a purchase order, which will be a firm fixed price effort.

[REDACTED]

Delivery: delivery will be completed within 9 months of contract award and is FOB Destination.

There is no previous contract history for this requirement.

Section C: Justification for Soliciting from a Single Source or Brand Name

This is a sole source acquisition for supply with incidental services. Progressive Surface is the Original Equipment Manufacturer (OEM) of the existing grit blast booth. The booth is a proprietary design and is peculiar, unique system developed specifically for the C130 Propeller Shop in the 402 Commodities Maintenance Group. This booth was installed in 2006. Progressive Surface is also the OEM of a sister booth that was also procured in 2006 and installed in the C130 Propeller Shop. This second booth is also a peculiar design and is configured with a CNC, servo drive, and lance for steel shot peening the inside of the blade taper bore. This configuration is the configuration needed for future glass beading of the taper bore and converting the grit blast booth to a CNC, servo, and lance and is the purpose of this project. Because Progressive Surface has previously engineered, fabricated, and installed both systems, it is uniquely postured to provide the conversion of the grit blast booth to glass bead blast. The conversion will make the booth nearly identical to its existing sister booth and consequently, Progressive Surface will be able to provide the conversion in the quickest and most cost effective manner.

Because the booths in the C-130 prop shop are proprietary designs of Progressive Surface. Other firms wishing to provide the conversion for the Government would incur additional costs and require more time due to the reverse engineering that would be required, which would include an estimated 60 days of additional engineering time, additional travel by the contractor team to familiarize the engineering team with the grit blast booth, additional training costs for Robins personnel on the non-



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OEM conversion, and the costs associated with inconsistent glass bead blasting that would have to be manually performed during the additional needed time. One to two weeks would also be needed to source the components by a supply technician. Because of such a delay, an estimated 80 propellers would need to be blasted manually with glass beads for an estimated 160 hrs of time due to the required extra manual labor and rework. In total, the Government estimates that it would cost the Government a minimum of \$160,000.00-\$200,000.00 to complete a re-engineering effort like this. The OEM already has the booth design drawings and sources of supply and will avoid these extra weeks of effort.

The OEM is as follows:

Progressive Surface

4695 Danvers Drive SE

Grand Rapids, Michigan 49512-4018



Small Business under NAICS 333999

NAICS: 333999- All Other Miscellaneous General Purpose Machinery Manufacturing

Active in System for Award Management (SAM) with no exclusions listed as of 4 Aug 2022

Section D: Efforts to Obtain Competition

In accordance with FAR Part 10, market research was performed reviewing the following websites and databases: SBA's Dynamic Small Business Search (DSBS), General Services Administration (GSA) Advantage, and System for Award Management (SAM). The North American Industry Classification System (NAICS) Code 333999- All Other Miscellaneous General Purpose Machinery Manufacturing was used along with the search term "robotic blast". Market research was performed using the Small Business Administration Dynamic Small Business Database search NAICS code 333999. No businesses were found using the Dynamic Small Business Search (see the DSBS query). A search at the GSA Advantage website using the term "robotic grit blast" (exact phrase and all the words) was completed and nothing was found (see GSA search).

The user contacted two firms that they were already aware of in order to gauge capability and interest: CESCO and Abrasive Blast Systems. CESCO responded by saying that since they are not the OEM for the booth, it would not be cost effective to pursue the project (see attached email). Mr. Sam Browning from Abrasive Blast Systems was contacted on November 3, 2021 via email to propose the project. The general project scope was emailed to Mr. Browning for consideration. No response was received from ABS regarding the project.

On 11 August 2022, Progressive Surface provided a letter certifying that they are the OEM for the grit blast booth listed in this requirement. They have no authorized resellers nor any authorized service providers.

All mandatory sources were reviewed but no further sources were provided. There are no foreign sources available for this requirement.



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Section E: Steps to Preclude Future Single Source or Brand Name Awards

In an effort to remove or overcome such a barrier to competition in the future, the market will be scanned frequently for new companies that could satisfy the Government's requirements. Where possible, the Government will make future requirement descriptions suitable for full and open competition.

Section F: Contracting Officer's Determination

I have determined, in accordance with [FAR 13.106-1\(b\)\(1\)](#), that the circumstances of this contract action deem only a single source is reasonably available.

Date	Typed Name and Rank/Grade of Contracting Officer	Signature of Contracting Officer
		

Date	Typed Name and Rank/Grade of Program Manager	Signature of Contracting Officer
		