

SINGLE SOURCE CERTIFICATION

Authority is requested to make the following purchase under the provision of USF System Regulation USF4.02010(IV)(A)(2)(b) as a non-competitive purchase available from only one source. By submitting this form, department acknowledges that existing [exemptions](#) will not apply to this purchase. Single source requests exceeding \$75,000 must be signed by a Procurement Director and posted publicly for (3) business days.

DATE: 04/10/2025

ITEM(S): µMLA Maskless Aligner Quotation No. 25-58-03653-6

PRICE: \$ 203,610.00

FUND #: USF01-TPA-10000-211200-000000-0000000

SUPPLIER ID: _____ REQUISITION#: _____

SUPPLIER NAME: Heidelberg Instruments, Inc

FEDERAL GRANT: ☐ Y ☒ N

In your words, describe the equipment, commodity, or contractual service. Explain how these specifications are essential to the accomplishment of your work:

1. This tool is a projection maskless lithography system. It allows for direct printing of micron & submicron features directly onto the wafer surface, bypassing the traditional contact mask fabrication step saving time and money and allowing for faster iterative development of new and novel micro and nanoscale technological research.
2. This tool can also allow us to create our own contact masks in house, at much cheaper cost once the design has been refined.
3. The non-contact projection employed in this tool, doesn't suffer the wear & tear of traditional contact lithography and is less prone to alignment errors.

In your own words, describe the reason(s) the item is not subject to competition from other sources and how the stated specification(s) restrict the requisition to only one supplier. Description may include unique features/compatibility/specifications/availability/delivery time frame etc. (Note: Price is not a valid reason).

1. Heidelberg Instruments has a well-established infrastructure in the US, multiple Service Engineers located in Torrance, CA, Minneapolis, MN, and Boston, MA. This helps to ensure a swift response time for service and support.
2. The system has up to 3 variable resolutions, allowing the optimization of throughput vs. resolution. The minimum feature sizes range from 0.6µm up to 4µm, depending on which write mode is chosen unique to this brand.
3. Heidelberg Instruments has been in the direct write lithography industry for over 30 years, with an installation base of around 1,000 systems worldwide. Around 150 of those systems are installed in North and South America.

In your own words, describe the due diligence conducted to validate this supplier as Single Source. Description SHOULD list all other suppliers with item(s)/service(s) with similar functions, your efforts to identify other suppliers, and why these suppliers would not qualify to submit a competitive quote.

1. Heidelberg instruments has the largest US presence of any manufacturer of this type of equipment.
2. Several competitors from Europe and Asia make similar equipment but do not the US based support and corporate offices to compare with Heidelberg. Technical and customer support, lead times and availability of parts were considered priority for an instrument of this complexity.
3. My searches did not reveal any other US based companies that manufacture similar equipment. So i went with the supplier that seems to have the largest customer base for this type of equipment in the US, with a large fraction of those customers being Research centers at other universities in the US.

DocuSigned by:

Clifton James

4/18/2025 | 13:42 EDT

START 4/21/2025

END 4/23/2025

Approved By (Procurement)

DATE

PUBLIC POSTING DATES

Authority: USF4.02010(IV)(A)(2)(b)

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OFFICE OF THE UNIVERSITY CONTROLLER, PROCUREMENT SERVICES

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