Atlantic Technological University

CFT ID: **8688258 26/338A Single Party Framework Agreement for a Multi Material Drop-On-Demand (DoD) Inkjet 3D Printing System for Atlantic Technological University**

Date: **18.08.2026**

Date	Ref	Query	Response	Response Date	Status
11.08.2026	**001**	Multi-material printing" - does this requirement mean simultaneous printing of two or more mateirals or the ability to change the printhead in order to print multiple materials?	**R1.:** Simultaneous printing of multiple materials is not required. However, the requirement for at least two independently controllable dispensing units (printheads and/or dispensing heads) remains unchanged. Multi-material printing may be achieved through sequential printing using the installed dispensing units, provided the proposed system supports the use and printing of multiple materials within the intended research applications.	17.08.2026	Closed
11.08.2026	**002**	The system MUST have at least two independently controllable dispensing unit (printheads and/or dispensing heads) - does this mean the heads must be usable simultaneously or would you accept user intervention to enable switching between printhead assemblies?	**R2.**Simultaneous operation of the dispensing units is not required. However, the system must provide at least two independently controllable dispensing units (printheads and/or dispensing heads), as specified. Sequential printing using the available dispensing units is acceptable.	17.08.2026	Closed
11.08.2026	**003**	"Provide XYZ travel at least 200mm x 100 mm x 100 mm " - is this just to enable thicker substrates to be printed on or is there some other requirement from your application?	**R3**.The specified 100 mm Z-axis travel is intended to provide sufficient clearance and flexibility for a range of substrates, sample holders, and fixtures. However, systems with lower Z-axis travel will be considered. A minimum usable Z-axis travel of 20 mm within the build volume is acceptable.	17.08.2026	Closed
18.08.2026	**004**	ATU has amended the mandatory requirement under the Mechanical and Motion System Requirements (M) Mandatory: **Amendment: Tenderers are advised that the Mechanical and Motion System Requirements (M) have been amended. The updated requirements below supersede the version previously published in Appendix 2: Conformity with Technical and Functional Specification.** **Summary of Changes** **The minimum required Z-axis travel has been reduced from 100 mm to 20 mm.** **Tenderers are now required to specify:** **The available travel range for each axis.** **Any additional clearance available in the Z-axis.** **Greater travel ranges and/or additional Z-axis clearance remain desirable.** **Tenderers MUST submit one proposed system only. Alternative systems or multiple solutions will not be considered.**	ATU has amended the mandatory requirements under the Mechanical and Motion System Requirements (M). Tenderers MUST use the updated version, which supersedes the previous version published in Appendix 2: Conformity with Technical and Functional Specification Mechanical and Motion System Requirements (M) (updated 18.08.2026). The ITT Document and Appendix 2 has been amended to reflect these changes. Mandatory: The system MUST: Provide XYZ travel at least ≥ 200 mm × 100 mm × 20 mm. Larger travel ranges and/or additional clearance in the Z-axis direction are desirable for thicker substrate fixtures.) Tenderers MUST specify: • The available travel range for each axis. •Any additional clearance available in Z-axis. The System MUST Achieve: oAccuracy: ±25 µm or better oRepeatability: ±5 µm or better Tenderers MUST specify system resolution for all motion axes. The system MUST support: •Point-to-point motion •Vector-based motion. •Continuous path printing	08.08.2026	Closed

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18.08.2026	**005**	Extension of Closing Date	ATU have extended the closing date for receipt of tender applications from the 24th August 2026 to 31st August 2026 12.00 Noon (Local Irish Time). The closing date for receipt of clarifications has been amended to Friday 21st August 2026 17.00 hours (Local Irish Time)	18.08.2026	Closed