



**Job description:** At UniSCool, we are seeking a highly skilled and motivated *Mechanical & Product Industrialization Engineer* to join our operations and product development team. The ideal candidate will have experience in mechanical design, product industrialization, design for manufacturability and supplier interaction. This position is not only a design role. We are looking for a hands-on engineer able to work across CAD, suppliers, prototypes, assembly, testing and pilot deployments.

**Job title:** Mechanical & Product Industrialization Engineer

**Responsibilities:**

- Translate UniSCool's cold plate design into manufacturing-ready documentation.
- Lead DFM/DFA activities for cold plate and its mechanical integration.
- Prepare manufacturing drawings, tolerance definitions, assembly details and technical specifications.
- Support supplier technical discussions for cold plate manufacturing, assembly and testing.
- Define mechanical interfaces for different levels of integration.
- Support the integration of cold plates into in-server and in-rack liquid cooling solutions.
- Work on hydraulic and mechanical integration aspects, including connectors, manifolds, seals, fittings, hoses and routing constraints.
- Support assembly, internal quality checks and operational performance evaluation.
- Participate in pilot deployments from a mechanical/product perspective.
- Capture lessons learned from supplier samples, testing and pilots, and translate them into product and process improvements.
- Document technical specifications, assembly procedures, test procedures and results.
- Diagnose and troubleshoot mechanical, assembly or integration issues and propose practical improvements.

**Job location:** Lleida, Catalonia, Spain

**Work schedule:** full time, 40 hours/week, flexible schedule.

**Job Requirements:**

- Degree or master's degree in Mechanical Engineering, Industrial Engineering, Product Engineering or a related field.
- Experience in mechanical design and product industrialization.
- Experience with CAD tools (Fusion 360, SolidWorks or equivalent).
- Experience preparing technical drawings, manufacturing documentation and assembly specifications.
- Knowledge of tolerances, GD&T basics, materials, surface finishing and mechanical assembly.
- Knowledge of DFM/DFA for precision machined parts, fluidic assemblies or hardware products.



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- Experience working with suppliers, manufacturing partners or prototype-to-product transition.
- Knowledge of hydraulic or fluidic components such as connectors, seals, fittings, hoses and manifolds will be highly valued.
- Experience in assembly, testing, quality checks or troubleshooting of physical hardware.
- Knowledge of liquid cooling, thermal management, data center hardware, diffusion bonding or microchannels will be highly valued.
- Fluent English.

**Skills:**

- Strong hands-on engineering skills.
- Practical mindset and ability to move from design to physical implementation.
- Strong problem-solving and troubleshooting skills.
- Ability to interact with suppliers and manufacturing partners.
- Structured and detail-oriented approach to documentation.
- Good communication skills.
- Result-oriented mindset.
- Ability to work in a small, multidisciplinary and fast-moving team.

If you meet these qualifications and are excited about the opportunity to work on innovative thermal management solutions in a dynamic startup environment, we would like to hear from you.

Please send your CV to [montse.vilarrubi@uniscool.tech](mailto:montse.vilarrubi@uniscool.tech)



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