

Product Design Engineer

Offer number : [PROD- 7]

THE COMPANY

Stilla Technologies is a fast-growing biotech start-up located in Paris (Villejuif, Métro 7). Stilla Tech has developed the *Naica System*[™], an innovative digital PCR system that combines unprecedented ease-of-use, rapidity and unique analytical features for high precision genetic analysis. The company and product have received a number of prestigious awards (Concours Mondial de l'Innovation, MIT TR Under35 Innovator Award, etc...).

Since 2016, Stilla Tech offers its Naica System to customers worldwide while maintaining a strong R&D pipeline in order to keep providing the best digital PCR products on the market. For more information on the technology and product, visit www.stilla.fr !



The Sapphire Chip is at the heart of the Naica System. This innovative microfluidic consumable integrates the entire digital PCR workflow: partitioning of the sample in a droplet crystal, PCR amplification of the targeted nucleic acids and detection by fluorescence of these targets.

THE JOB IN A NUTSHELL

Stilla Technologie is looking for a Product Design Engineer to develop and industrialize the next generation of the Sapphire Chip.

The first mission of the job is ambitious: take the project from proof-of-concept to product in 12 months !

The main skills for the job are:

- Solid knowledge and skills in CAD/CAM
- A strong knowledge about the processes for manufacturing and assembly used in precision engineering, in particular to produce plastic products
- A taste for a dynamic work environment, at the interface with the rest of the R&D team and our industrial partners in charge of mass production.

FULL-TIME JOB IN PARIS, SALARY ACCORDING TO CV

SEE DETAILED DESCRIPTION BELOW

APPLY AT jobs@stilla.fr !

Please add the offer number [PROD- 7] in the e-mail title.



SEE DETAILED DESCRIPTION

Main tasks :

Stilla Tech is recruiting a Product Design Engineer capable of managing and executing the entire concept-to-product cycle, from prototyping to series production.

The main tasks of the job are :

- 3D CAD/CAM, for prototyping through mass production
- Design and prototyping at Stilla (micromilling, PDMS prototyping, 3D printing) and with 3rd party providers
- Functional validation of the prototype / Experimental work in the lab and at the interface with the entire R&D department of Stilla (microfluidics, molecular biology, instrumentation, software)
- Pre-series and series production with industrial partners: managing projects with partners, understanding their constraints, adapting designs
- Functional validation of series products
- Managing industrialization and production ramp-up.

The Product Design Engineer will closely interact with the entire R&D department (microfluidics, molecular biology, instrumentation, software) in order to ensure compatibility of the developed products with its environment (instrumentation, software, process, UX, etc...).

Also, Stilla Tech is a fast-growing dynamic start-up. Other tasks may be assigned to the employee, as needed by the company and in adequacy with the employee skills. Occasional international travel will be required.

Skills

The Product Design Engineer has :

- Significant experience in the design and manufacturing of innovative mechanical parts with strong technical constraints, ideally of plastic consumables
- Good knowledge of manufacturing and assembly processes used in precision engineering, in particular for the production of plastic parts (CNC, micro-milling, molding, assembly)
- Strong experience with 3D design tools, CAD & CAM (ex : AutoDesk suite)
- Fluent english, written & spoken, in order to interact with our international partners
- An interest in microfluidics and/or in molecular biology ('Omics')

Great importance will be attached to the ability to effectively identify, understand and solve the problems encountered.

Given that Stilla is a highly interdisciplinary company, a good scientific culture and a natural curiosity are essential to collaborate effectively.

As with any start-up, adapting to a constantly evolving dynamic environment is a necessity. Having a true team spirit will be essential for the job.