

INDUSTRIALIZATION ENGINEER

LOCATION	28 rue de Turbigo, 75003 Paris, France
CONTACT	job.application@damaemedical.fr
TYPE OF CONTRACT	Full time
STARTING DATE	As soon as possible

About DAMAE Medical

During a routine clinical examination, the dermatologist performs a systematic biopsy of any suspicious skin abnormality on the patient. He then sends this sample to an anatomopathology laboratory where a diagnosis will be made using a histological examination. This process lasts about fifteen days, after which the dermatologist removes the entire cancer anomaly or sets up the appropriate treatment.

According to the World Health Organization, approximately 140,000 cases of skin melanoma are reported each year worldwide. Its incidence has been steadily increasing by 10% per year for the past 50 years. The 5-year survival rate is 88% for localized melanomas, while it is only 18% in advanced metastatic situations. Early detection of skin melanoma is therefore of vital importance. One third of melanomas are undiagnosed because they are invisible to the naked eye.

DAMAE Medical is a company founded in September 2014 promoting the innovative optical technology LC-OCT (Line-field Confocal Optical Coherence Tomography). DAMAE Medical develops medical imaging devices that provide dermatologists with real-time images of similar quality to traditional histological images without the need for preparation or sampling.

The visualization of the suspect tissue is done directly at the cellular level, over a penetration depth up to the dermis. Examinations are more effective because the practitioner can detect melanoma before the first signs of the disease have even appeared on the surface. Biopsy is only performed if necessary, and the patient saves pain and scars that are often unnecessary. In the long term, this solution will increase the reliability, speed and reduce the costs of diagnosing skin anomalies in dermatological practices.

Job presentation

DAMAE Medical has implemented a plan to industrialize its imaging system. A production process must be defined and deployed accordingly. This position is part of the need to move from a prototype / pre-series stage to an industrialization stage of the company's products, in close collaboration with the R&D, clinical and marketing teams. In this context, your missions will consist in:

- **Supporting the R&D team in the industrial development phase of the products (feasibility, design, optimization):**
 - According to constraints of performance, ergonomics, safety, robustness, reliability, and costs.
 - Contribute to the verification and validation phases (qualification, calibration, monitoring and maintenance strategies).
 - Guarantee the product's manufacturability constraints according to industrial methods.
- **Managing design transfer into production:**
 - Define and organize manufacturing methods according to productivity and quality requirements (DMR – Device Master Record, controls).
 - Define, implement and qualify production positions, equipment and tools (IQ-OQ-PQ).
 - Monitor and improve the manufacturing process of the first series (CAPA management, DHR – Device History Record).
- **Managing all supply chain activities:** supplier management, subcontractor monitoring, purchasing, inventory, traceability, etc.

Required profile

This position is intended for an engineer with a minimum of 2 years' experience in leading projects for the industrialization of innovative products, ideally in the medical devices sector (ISO 13485). A sensitivity to the industrial development of imaging and/or opto-mechanical systems will be a plus.

Passionate about innovation, you show great energy, with a strong results culture and a great reactivity. Curious, autonomous, versatile, you are an excellent industrial manager. You are proficient in an integrated management software package, computer-aided manufacturing design (CAD/CAM) software and computer-aided production and/or maintenance management software (CAMM-CMMS). You have a solid knowledge of Good Manufacturing Practices, lean manufacturing, and master quality standards and methodologies. Working in an international environment, a good level of English is essential for this position.

Are you looking to invest yourself fully in a fast-growing startup where you can apply your creativity, expertise and taste for challenge? We invite you to join a team of professionals passionate about innovation and new technologies, in a young and motivating atmosphere.