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**HR – OPEN POSITION - MECHATRONIC ENGINEER****Profile 2020.10.M****Purpose of the Job**

**FEMTO**print SA is a Swiss company which develops, produces and distributes the unique and innovative FEMTOPRINT® technology and all the necessary tools for a cost-effective 3D micro-/nano-fabrication and -inscription with high precision, resolution and reliability.

Its main product is a 3D femtosecond laser platform, called FEMTOprinter, for the production of 3D micro/nano-devices. It is precise, reliable, user friendly, with a high level of automation, but flexible for the wide range of possible applications and modular for specific customisations. It does not need clean room nor special expertise. Its main components are:

- Control Unit
- Multi-axes motion system
- Femtosecond laser and optics
- Further devices for additional functionalities

**Responsibilities and Working Environment**

The holder of this position

- will be responsible for the mechanical design, development and testing of our new generation FEMTOprinters and involved in all the technical aspects (e.g. optics, laser integration, SW)
- will collaborate in defining system requirements and in managing technology key partners/suppliers
- will provide his/her expertise to the FEMTOprint R&D team in innovative and strategic projects
- will provide support in the definition of maintenance and service agreements related to the FEMTOprinters
- when necessary, will install new FEMTOprinters on customer site providing training and support worldwide, including preventive maintenance and remote assistance when requested
- will contribute to the company Quality System and Safety Plan.

S/he will report to the Head of the Systems Division of the Company.

**Qualifications**

- **Mechatronic/Robotics/Mechanical engineering** degree or equivalent
- Good command of spoken and written English and Italian is essential
- Knowledge of spoken and written French would be an asset
- PMI-PMP or equivalent certificate is a plus

**Experience and knowledge**

The successful candidate shall have the following experience, skills and knowledge:

- Sound knowledge of precision CNC machine design and development or similar technology
- Expertise in precision motion system mechanical integration and controlling, knowledge of robotics
- Multidisciplinary knowledge, incl. mechanics, electronics, automatic controls, optics, laser technologies
- Experience with CAD design tools, in particular Autodesk Inventor
- Minimum three years' experience within a development group
- Experience with laser and optical technologies is a plus
- Professional software programming skills (IEC 61131-3, C++/C#), in particular Beckhoff systems, is a plus
- CE certification process knowledge
- Experience in managing engineering projects

**Key Capabilities**

- Enthusiasm and motivation about design and building automatic machine tools for new applications
- Hands-on approach
- Provide clear, concise and timely oral and written communications, identifying the key issues, examining options and proposing way ahead
- Capability to timely recognize critical issues and raise the attention of the concerned people
- Recognise and master situations with potential for conflicts
- Commitment to customers' satisfaction
- Ability to work independently and as a part of the team
- Establish strong links with the internal team and with the stakeholders
- Capability to properly plan, set and adjust priorities in agreement with the supervisor
- Availability for travels

**Duty Station:** Lugano, Switzerland

**Employment:** 100%

**Starting Date:** As soon as possible

**Application:**

If you think to be the right person for this position, apply by sending your complete CV and cover letter by email to [hr@femtoprint.ch](mailto:hr@femtoprint.ch) or mail to:

FEMTOprint SA  
HR - Confidential  
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**FEMTO**print  
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