



Automation Engineer (PLC) for 3D Printing, 80-100%

NematX is a deep tech spin-off company from ETH based in Zurich, Switzerland offering innovative 3D printing products and solutions. We are seeking an experienced and talented PLC Programmer with strong interest in extrusion-based additive manufacturing technologies and a passion for digital design and fabrication to join our dynamic team.

In this role, you will be responsible for programming, maintaining, and optimizing our Beckhoff PLC system to enhance the performance and capabilities of our 3D printers. In this key position, you will work closely with our 3D Printing and Slicing teams to ensure the highest level of precision and efficiency in our printing processes.

Your profile:

Certified automation engineer with experience in motion control systems and a passion for extrusion-based 3D printing.

Technical requirements:

- Proficient in structured text PLC programming following IEC 61131-3 standard, ideally with Beckhoff control systems.
- Expertise in managing motion control systems.
- Knowledgeable in source control practices, especially Git/GitHub
- Proven problem-solving skills with meticulous attention to detail.

Bringing this is a plus:

- Qualification in electrical hardware design
- Knowledge of extrusion-based additive manufacturing (FFF, FDM) technologies
- Experience in developing and maintaining Node.js applications, with a focus on integration and communication with PLC systems.

Additional qualifications:

- A can-do mentality paired with a positive mindset
- Well-organized and documented working practice
- Ability to collaborate with both, technical and commercial teams
- Excellent oral and written communication skills in English, German is a plus

Our offer:

- We offer you as a dynamic motivated person a pivot position in our fast-growing company where your contributions directly shape the success story of the company
- Expand your skill set by working on diverse projects, gaining valuable experiences and stay on the forefront of technology
- Enjoy a competitive salary plus significant equity, as you help us shape the future of 3D printing, with the perk of hybrid work options
- An exciting startup environment the center of Zurich with an international focus plus an open-minded & fun team

Have we sparked your interest? Please send your application or further questions to our CTO silvan.gantenbein@nematx.com, +41 44 324 70 79.