

EPFL Master Internship on Laser Machining

(M/W) 100%

The cutting tools necessary for manufacturing smartphones, tablets, aircraft, cars and medical devices are high-tech products made on high-precision machines with high-performance software. Rollomatic designs, manufactures, markets, and maintains these production systems worldwide with nearly 400 employees.

THEME OF THE WORK:

“LASER PROCESSING OF ULTRA-HARD MATERIALS”

YOUR PROFILE:

- Master student, oriented towards mechanics, micro-engineering and data science looking for a part-time/full-time position as an intern
- Strong interest in domains such as lasers, Optics, and Machining process
- Motivation for engineering application in the heart of Swiss-made high-precision industry

YOUR MISSION:

- Develop laser processes to machine ultra hard materials
- Conduct machining, reliability, and repeatability testing
- Optimization of surface quality and machining time
- Validation of the machining processes

YOUR TAKE:

- This internship project offers you the opportunity to immerse yourself in a unique environment that combines industrial aspects, the development of data analysis methods and their implementation
- You will be integrated into a team of professional developers and engineers, following modern working methodologies
- Your research and development work brings significant added value to our customers, contributing to the improvement of a core domain
- Finally, this research work can possibly continue with a Master thesis, PhD project or employment at Rollomatic

WORKPLACE:

- Your workplace will be shared between Rollomatic Headquarter (Le Landeron) and one of our innovation cells: EPFL Innovation Park or Swiss Innovation Park Biel/Bienne
- Partial remote work possible

Application deadline: 15.12.2023

Are you interested in this challenge? Please send your application (EN or FR) at: celluleEPFL@rollomatic.ch