

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 MACHINING USING BEAM-SHAPING OPTICS"

YOUR PROFILE:

- Master student, oriented towards mechanical engineering, microengineering or materials science looking for a part-time/full-time position as an intern
- Strong interest in domains such as laser technology, optics and machining processes
- Motivation for engineering application in the heart of Swiss-made high-precision industry

YOUR MISSION:

- Optimise current laser machining processes using the aid of beam-shaping optics
- Determine the best beam-shaping solution
- Conduct reliability and repeatability testing
- Optimization of machining time and workpiece quality
- Validation of 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 novel and energy efficient laser machining strategies as well as 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 Headquarters (Le Landeron) and our innovation cell at EPFL Innovation Park
- Partial remote work possible

Application deadline: 30.11.2025

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



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