



# R&D Internship (6 months): Internship in Simulation Applied to Machine Tool Design

Location of Job: Losone/Ticino, Switzerland

Starting date: As soon as possible

GF Machining Solutions is one of the world's leading companies in the design and production of EDM machines. Our R&D team is passionate for precision and oriented to innovate continuously. We are looking for a highly motivated intern to join the team for a duration of 6 months.

## Your Tasks

- + Work with senior engineer to simulated fluid CFD and thermal behavior of modules of EDM Machine tools
- + Investigate and propose potential improvements
- + Work on a digital twin of hydraulic systems
- + Present to the team biweekly tasks and results
- + Performs other duties as requested.

## Your Profile

- + Enrolled in a bachelor's or master's program in Mechanical Engineer
- + Familiarity with ANSYS suite and open source solvers.
- + Experiences with Mathworks tools (Simfluid, Simscape, SimMechanics are plus)
- + Curious and willing to learn
- + Autonomous and rigorous
- + Excellent verbal and written communication
- + A good level in English spoken and written is mandatory
- + Italian speaking is a plus.
- + Interested working at the front (collect engineering and process data)

## Your Opportunities

- + You will work at the cutting edge of today's knowledge in production and manufacturing technology.
- + Apply your learned skills in practice
- + You are welcome to profit from our expertise, present your research findings, and seek support from interested staff.

## Your contact:

Marco Cavadini

[marco.cavadini@georgfischer.com](mailto:marco.cavadini@georgfischer.com)

Marco Nicoletti

+41 91 806 90 30

[marco.nicoletti@georgfischer.com](mailto:marco.nicoletti@georgfischer.com)