

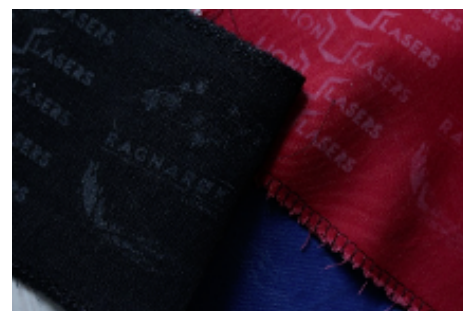
INTERNSHIP/FINAL THESIS

L.A.S.E.R. –

Laser engraving of streetwear shirts

Are you interested in the sustainable functionalization of textiles using lasers? Within the L.A.S.E.R. research project we are collaborating with Ragnarok Clothing, a sustainable fashion brand from Zwolle, and EKYW, a company with expertise in laser functionalization, we are developing a process to bring prints to textiles without water and additional inks and binders.

This assignment will focus on the laser process as well as its impact on color and mechanical properties. Together with the researcher from the Sustainable & Functional Textiles group you will establish a method to bring prints to the textile without compromising the textile stability.



TASK DESCRIPTION

- You will work at the textile lab in the Epy Drost building on the laser engraving process as well as the testing and evaluation of the sample fabrics. Tests include color measurements, microscopy, tensile strength and washing fastness.
- Collaborate with material experts, designers, and textile engineers within research group, but also the whole project team (Ragnarok clothing, EYKW) is open for collaboration and support of your research.

PRACTICAL INFORMATION

- **Student profile:** Fashion & Textile Technologies student with an interest in sustainability, textile functionalization and quality control; Either as an internship or graduation research
- **Contact person(s) for this assignment:** Carlos Kuhlmann (j.c.kuhlmann@saxion.nl)
- **Research group Sustainable and Functional Textiles:** saxion.edu/sft
- **Start of the assignment:** **February 2022**