

INTERNSHIP/FINAL THESIS REGIODEAL - TEXTILE RECYCLING

Are you interested in the sustainable textiles, textile recycling and circular economy?

Within the region of Twente we are working on creating a circular textile supply chain, together with other companies. Part of this project is improving the quality of mechanical recycled fibres. The Circular Textile Lab of Saxion also has a lab scale shredding machine to experiment with textile recycling. In close collaboration with Frankenhuis you will analyse different textile waste streams and try different recycling methods to obtain recycled fibres with a long fibre length.



TASK DESCRIPTION

- You will work at the CTL lab in the Epy Drost building of Saxion, but also on site at Frankenhuis. The shredding machine of Saxion will be your starting point for the research to shred different materials and experiment with for example fabric treatment to obtain a higher fiber length.
- During weekly meetings with your supervisors and peer students, you will discuss your progress and issues. This way the whole CTL team will learn from your findings as well, and we can help each other out when needed.

PRACTICAL INFORMATION

- **Student profile:**
 - This assignment is specifically for Fashion & Textile Technologies students looking for an internship or graduation assignment.
 - We are looking for a student that can work very precisely and independent and who have a strong interest in sustainable textiles and textile processing.
 - As you will be working alongside other students and researchers in the lab we expect you to make a clear planning and have clear communication.
- **Contact person(s) for this assignment:** Maud Kuppen (m.kuppen@saxion.nl)
- **Research group Sustainable and Functional Textiles:** saxion.edu/sft