

### GRADUATION PROJECT: DEVELOP SUSTAINABLE INTERIOR TEXTILES FOR AHREND

**Royal Ahrend** is an international leader in the design and development of office furniture and space solutions. Ahrend has been a leader in sustainability and circularity for 30 years. Products are timelessly designed from the best materials to maximize their lifespan. Also, products are designed modularly, meaning parts can be easily repaired or upgraded if needed. Ahrend continues to innovate, becomes more sustainable and has set new goals for their furniture fabrics. Ahrend would like the fabrics used for their furniture, to be made from Ahrend's textile waste streams, but should still meet the high-quality standards.

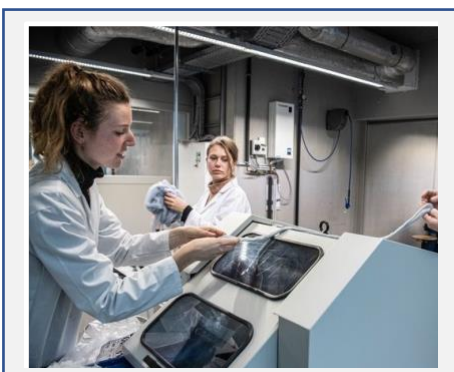


### TASK DESCRIPTION

Are you looking for a graduation assignment where you can apply your technical textile knowledge and skills right away? Do you enjoy working not only theoretically but also practically? Do you want to make the textile industry more sustainable? Then we have a nice thesis assignment for you!

You will graduate at the SFT research group, working directly for Ahrend. You will dive into the world of interior fabrics, and specifically wool blends. At the new Circular Textile Lab, you can use the latest equipment to research how wool blends can best be recycled. In collaboration with Ahrend, you will research which textile waste materials from the Ahrend's factory can best be recycled, so that the recycled fibres, yarns and fabrics meet their high-quality requirements.

This assignment will focus on the shredding/carding process from Ahrend's textile waste. You will research which shredding/carding methodology gives the highest quality and thus the best recycled yarns.



### Practical Information

**Student profile:** We are looking for a Fashion & Textile Technology graduation student, with interest in sustainability and technical research of fibres. You are interested in working in the new Circular Textile Lab (on the first floor), and would like to develop your shredding and spinning knowledge and skills.

**Contact person(s) for this assignment:** Please contact Ms. Laura Erkens for more info: [I.m.erkens@saxion.nl](mailto:I.m.erkens@saxion.nl)

Research group Sustainable and Functional Textiles: [saxion.edu/sft](https://saxion.edu/sft)