

PrüfMesche – Development of a test rig in order to validate fluid absorption of body-hugging textiles for menstrual underwear

Problem / Motivation

- Textiles with good moisture management absorb moisture from the skin and transport it efficiently to the outside
- The transfer of moisture (for instance sweat or menstrual blood) is a complex process regarding specialised clothing such as cycling shorts or menstrual underwear
- There is no standardised test and no standardised test fluid for assessing the suction process of menstrual underwear
- Products on the market in this matter cannot be objectively compared and are not in line with the wearer's needs

Solution

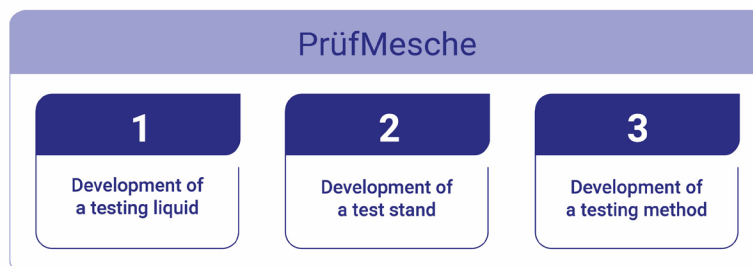
- Development of a testing fluid with realistic viscosity and composition as well as natural properties
- Development of a test stand in the shaped of an abdomen to test specimens in a form suitable for the human body
- Development of a testing method that can be standardised and transferred to a test standard in the future

Project Launch

11/2024

Project Partner

currently none,
open for enquiries



Objectives to be carried out in the PrüfMesche research project

Acknowledgement

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