FACTSHEET

HOHENSTEIN

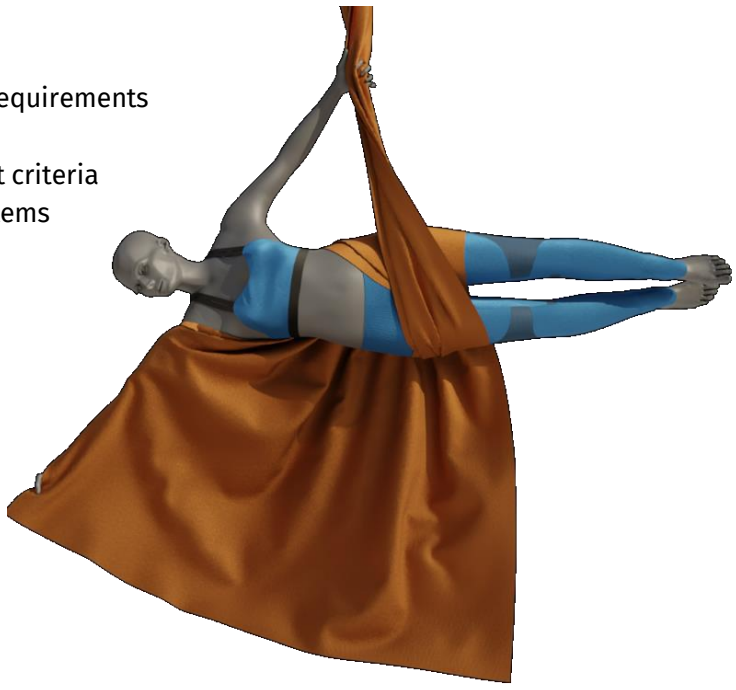
Digital Material Parameters

Material testing to determine parameters for 3D simulation and design

Consistent and accurate digitization of material behavior is essential for realistic 3D simulation and development of reliable fit

Your Benefits

- Standardized testing of material parameters under constant conditions
- Reproducible test results
- Material characteristics customized for varying requirements of different simulation systems
- Continuous validation and adaptation of the test criteria to changes in the market and updates in 3D systems



Description

- Testing and recording the material characteristics
- Consistent characterization of parameters
  - Mass per unit area
  - Fabric thickness
  - Bending stiffness
  - Fold volume/shape
  - Stretch test (warp/weft/bias)

  and more as needed
- Optional texture characterization
- Results adapted for different 3D systems, including: Vidya Assyst, Browzwear V-Stitcher, CLO 3D

Test Sample Requirements

- Minimum quantity of fabric 1 m2

Testing Standard

Testing is based on the requirements defined in the DTB Dialog Textile Clothing standard from the “Digitalization of Material Parameters” working group.