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First 3D measurement study to improve garment sizing for children

Hohenstein to offer unique fit and pattern service based on new 3D body data for babies and toddlers

BOENNIGHEIM, Germany (March 15, 2023) – Garment fitting pioneer Hohenstein has conducted the first ever measurement series on babies and toddlers. The data will aid the pattern development and fit assessment that is particularly challenging for children's clothing. The new database will help brands and manufacturers design their children's clothing in an accurate, efficient and more sustainable way using fit testing and pattern optimization.

Hohenstein has been taking body measurements for all target groups since 1957. Based on regular serial measurements taken with 3D body scans over 20 years, data is continuously updated. With the measurement of toddlers and babies, Hohenstein is now closing a large gap in the market. 5626 girls and boys in German sizes 56 to 182 were measured. This means that 3D scans of infants are available for the first time. The 3D body data form an indispensable basis for customer-specific measurement tables, child-friendly patterns and gradings, optimized fits as well as 3D children's avatars for clothing simulation.

Hohenstein offers a wide range of tests for safe children's clothing from a single source. In addition to fit and pattern, Hohenstein carries out risk assessments and safety tests for children's clothing (e.g. cords according to DIN EN 13682), UV protection according to different standards, tests for harmful substances according to OEKO-TEX®, among others. Toy testing is also part of the portfolio.

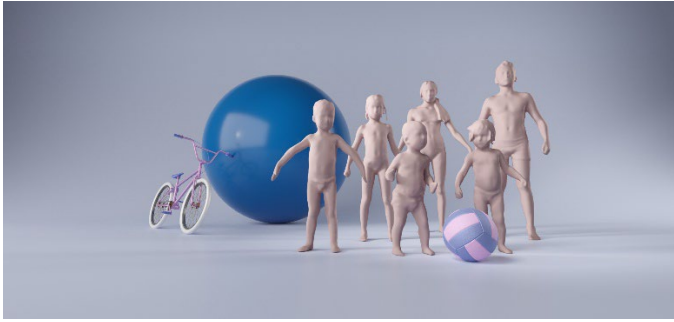
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All those involved in pattern development and fit assessment of children's clothing know the problem: developing children's basic and graded patterns. Up-to-date body data helps.

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About Hohenstein

With more than 40 offices and laboratories, Hohenstein is an international partner for independent testing, certification and applied research around the human-product-environment interaction. They develop science-based methods and standards that consider the user in real life, not just in the lab. Through standard or customized testing, and interpretation of the results, Hohenstein experts solve problems, verify claims and help partners bring better, safer products to market – more sustainably. Hohenstein is a founding member and leading provider of the OEKO-TEX® portfolio of services, and is certified by the U.S. Consumer Products Safety Commission (CPSC ID #1058) as a third-party, independent laboratory for CPSIA compliance verification. [Hohenstein.US](https://www.hohenstein.us)