

Sustainability. To the Point.



Into a sustainable future with Hohenstein.

We support you in meeting SDGs, industry initiatives, internal goals and customer demands.

It's not easy to predict the future. But, we can be sure about one thing: sustainably produced textiles will never go out of style.

Whether your business is about branding, retail or production, we offer tailored solutions that empower you to manage your product stewardship and commitments.

We specialize in testing, certifying and researching all kinds of textile-based products. With over 1,000 employees at our headquarters in Germany, and in more than 40 subsidiaries, offices and laboratories around the world, we are actively tackling the industry's global challenges.

Our experts offer know-how and practical tools that enable transparency - at all stages of the textile supply chain. This helps sustain customers and consumers of today - and tomorrow.



“The future depends on what you do today”

Mahatma Gandhi

We live textiles.

Your path to a sustainable future – our extensive service portfolio.



Biodegradability

Testing: Analysis of the ecological impact of textiles and Hohenstein method based on DIN/EN ISO standards 11721/846.

Benefit: True impact calculation and circularity claims must involve disposal of textiles in an environmentally responsible manner. We examine what actually happens to different fiber-based materials when they decompose in the soil – e.g. how quickly they disintegrate, what remains of them and whether any of their constituents harm the soil or environment (ecotoxicology).



Genetically Modified (GMO) Cotton

Screening | Identification | Quantification

Testing: Accredited testing of textile pre-cursors for genetically modified organisms (GMOs) according to the ISO/IWA 32:2019 protocol (GOTS compliant), the Hohenstein method or for OEKO-TEX® STANDARD 100 requirements.

Benefit: Manufacturers, brands, certifiers, consumer protection organizations get clear yes/no statements regarding GMO-free cotton or textiles, provided by an independent party. Quantification supports supply chain transparency and fraud management.

Microfiber Analysis

Testing: Quantification of fiber release and length distribution with the Hohenstein method: Dynamic Image Analysis (DIA) or gravimetric measurement of total abrasion by filtration according to the University of Leeds / Microfiber Consortium (UoL/TMC) method or AATCC TM212.

Benefit: Data for developing and sourcing more sustainable materials. Assessing micro-particle shedding, identifying fiber-based micro-particles and analyzing microplastics supports independent verification of claims.



DIN SPEC 4872: Microfiber Impact

Testing: Detection and classification of the environmental effects of textiles during washing in terms of **fiber release, biodegradability and ecotoxicity** with a standardized test method (DIN SPEC 4872).

Benefit: Reliable data can form the basis for sustainable product development with a clear competitive advantage.



Digital Fitting and Material Parameters

Services: We digitize patterns, processes, materials and accessories for realistic 3D simulations using common software systems.

Benefit: 3D simulation can reduce physical prototyping by 60-80%. Technical avatars used as fitting models can cover - and ensure proper fit for - the entire size range. The reductions in return rates and material waste boost both sustainability and profit. Our modular services support efficient and effective digital processes.





Wastewater Testing

Testing: Analysis of production wastewater in accordance with international standards or for compliance with textile initiatives (e.g. ZDHC, Greenpeace DETOX campaign, OEKO-TEX® STeP).

Benefit: Credible, independent proof that production complies with international specifications and initiatives. We help the industry minimize emission of hazardous chemicals and lower impact.

Chemical Management

Testing: Chemical testing for textile and leather production in accordance with OEKO-TEX® ECO PASSPORT certification, assessment of the chemical management procedures at production sites for OEKO-TEX® STeP certification.

Benefit: Establishing and monitoring chemical management - starting with procurement to minimize the harmful impact of chemicals on people and nature, and meet industry initiatives.



Workplace Safety | Health | Social

Testing: We conduct on-site audits of production facilities to check compliance with legal requirements and international standards for human rights and fair working conditions.

Benefit: Independent certification through programs such as OEKO-TEX® STeP or the Green Button provides credible evidence that you and your suppliers respect human rights



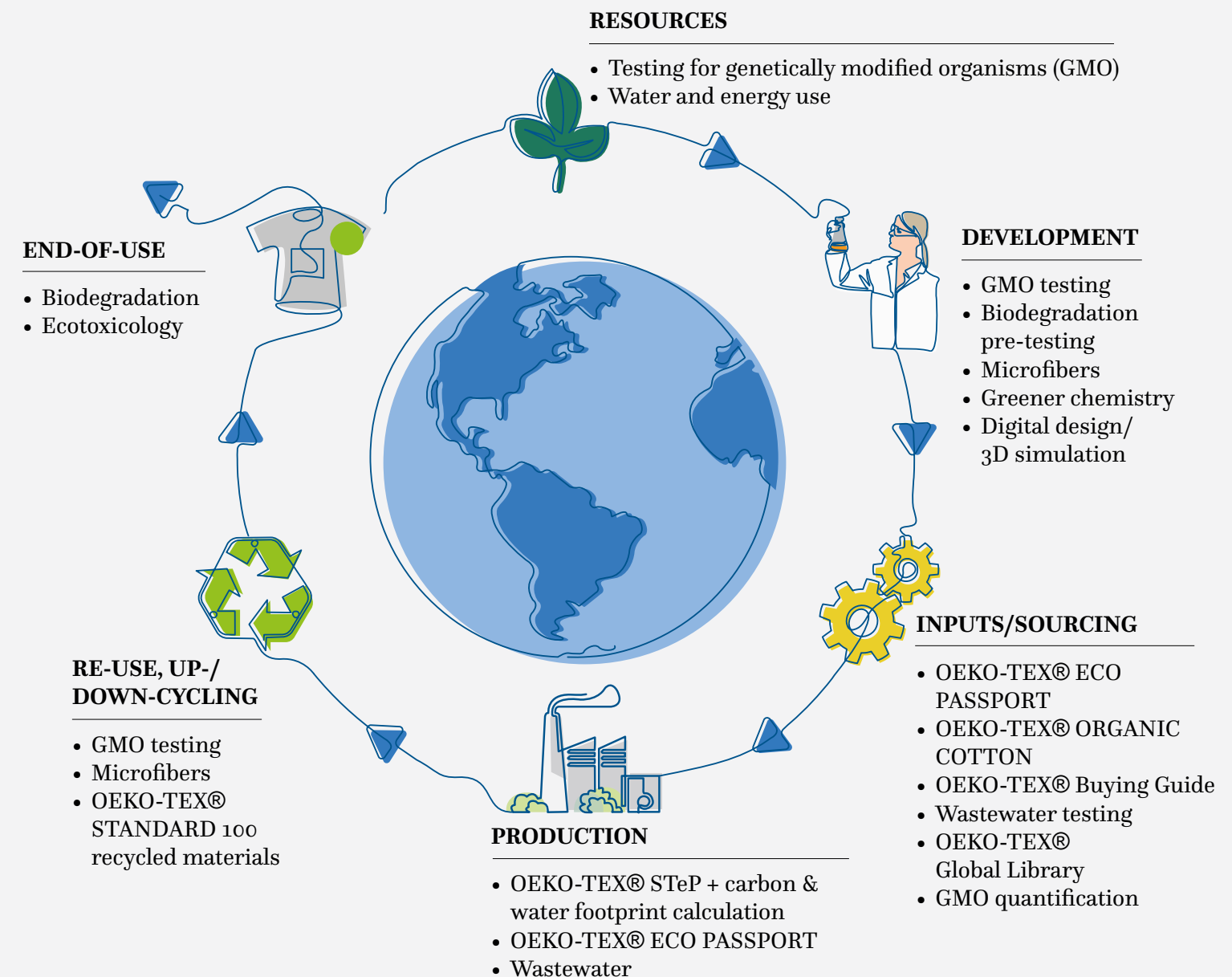
Transparent supply chains

Services: Our services offer practical support in meeting a key demand of policymakers, NGOs and consumers: transparent supply chains.

Benefit: With the OEKO-TEX® MADE IN GREEN label, consumers can follow the entire supply chain of their textile/leather product. The management tool OEKO-TEX® RESPONSIBLE BUSINESS helps to meet supply chain due diligence requirements in the textile and leather industry. The myOEKO-TEX® portal provides a central platform for centrally managing and benchmarking sustainability issues.

Systematic Circularity.

As an internationally recognized and reliable partner, we work with you at every stage of the value chain. From one-off testing to complete processes, we support your requirements.



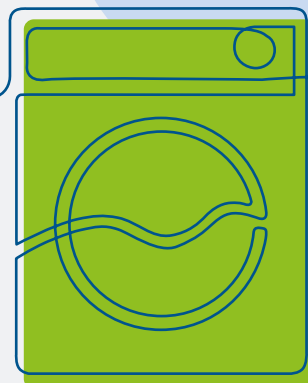
Testing beyond the obvious.

Hohenstein offers a comprehensive range of services and support options for textiles of outstanding quality. But we don't stop there. We also conduct and share research to continually expand our knowledge – and yours.



Fitting:

Digital and traditional pattern-making, scanning and size tables, testing of garment fit, training and consulting



Textile care:

Testing and certification for industrial and domestic textile care



Textile technology and chemical testing:

Lab testing of all kinds of textile products for legal compliance, international standards and in-house quality requirements



Health:

Testing and certification on all kinds of hygiene, UV protection and medical device issues

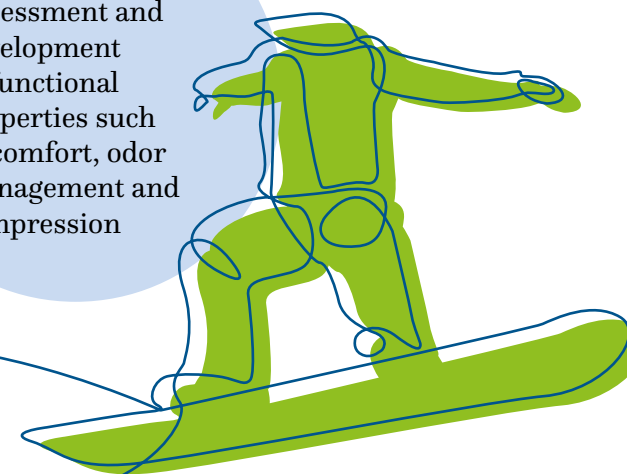
Hohenstein Academy:

Staff training through a variety of courses, practical workshops, webcasts and in-house training, covering a whole spectrum of topics.



Workwear:

Testing and certification of personal protective equipment (PPE), workwear and uniforms



Performance:

Assessment and development of functional properties such as comfort, odor management and compression



Trustworthy labels and certifications.

Effectively communicate your sustainability claims.



HOHENSTEIN Certification

The **Hohenstein Quality Label** provides brands, retailers and consumers with independent proof that claimed product features adhere to the highest quality standards.

The **Green Button** is a German state-approved seal for sustainably produced textiles. It lays down binding requirements for protecting people and the environment during the textile manufacturing process.



OEKO-TEX® Certification

OEKO-TEX® ECO PASSPORT: Three-stage certification process for sustainable chemicals, dyes and auxiliaries.

OEKO-TEX® ORGANIC COTTON: A reliable 3rd-party testing and certification system for textile products made from organic cotton or blends with ≥ 70 % organic cotton.

OEKO-TEX® STeP: Holistic analysis and certification for environmentally friendly and socially responsible production facilities.

OEKO-TEX® STANDARD 100: Product label and certification on textiles tested for harmful substances at all stages of processing.

OEKO-TEX® MADE IN GREEN: Traceable product label for textiles and leather articles made from materials that have been tested for harmful substances and manufactured in environmentally friendly factories under socially responsible working conditions.

OEKO-TEX® LEATHER STANDARD: Product label and certification for leather articles that have been tested for harmful substances at all stages of production.

OEKO-TEX® RESPONSIBLE BUSINESS: Management tool to meet supply chain due diligence requirements in the textile and leather industry.



Inspiring Confidence.



No matter which of our laboratories you choose to work with: we offer uniform testing, results and technical expertise across all locations.

Being close to our customers in all key consumer and production areas of the textile industry enables local experts to respond to your needs.



Consistent high quality and standards - worldwide.

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