



Our Commitment to a sustainable environment

The preservation of our environment and the responsible use of natural resources is the basis of our business decisions.

This is what our concept GOING GREEN by Friedrich stands for.
Already launched some time ago, it is continuously under development and improvement.

Together with you, we want to shape the future.



GOING GREEN by Friedrich – Our Commitment to a sustainable environment



GOF-purchasing

- purchase of raw materials from countries with high ecological and social standards, primarily within the EU
- 85% off all PES-yarns are produced in the EU
- preferred purchase of biodegradable auxiliaries
- ISO-certified or GOF-audited suppliers
- priority on ISO 14001 certified suppliers
- short delivery routes (CO2 footprint)



GOF-production

- most modern state of the art knitting and finishing-plant
- continuously monitored production and usage of resources
- very low wastage rates due to automated error monitoring and correction
- all permits correspond to the current state of the legislation
- optimization of production processes for lowest environmental impact and highest energy efficiency
- regular auditing with certification according to ISO 9001, ISO 50002
- continuous exhaust air and wastewater monitoring
- exclusive use of auxiliaries class WKS I (can be safely disposed in the municipal wastewater system)
- following the regulations of the ILO-Convention including No. 182 (Child-labour)
- halogen-free finishing and coating line (already meeting future standards)
- prioritising environmental aspects in the design and planning stage of all new sites and machinery



GOF-products

- 100% of production (warp knitting, finishing and coating) takes place in Germany
- textiles for digital printing are made from recyclable polyester yarns
- acetate and viscose articles, based on renewable raw materials
- 100% PVC-free
- textiles are REACH compliant and certified according to Ökotex Class I (Baby) or Class II (skin contact)
- own test laboratory for safety, quality and environmental testing
- CO2 footprint available for many products
- textiles made of recycled post-consumer PET available
 - » RETeX+ RC product line
 - » textiles made of SEAQUAL® Yarn



GOING GREEN by Friedrich – Our Commitment to a sustainable environment



GOF-energy management

- operate system to improve energy efficiency according to §3 SpaEfV
- certification according to EN16247-1 / ISO 50002
- use of high efficiency heat exchanger systems in finishing plant (energy recovery of 45%)
- build to Up to Date energy and environmental requirements and regulations
- up to 60% of electricity produced by own photovoltaic plant (2459 Kw/p installed capacity) which is equivalent to the consumption of 800 households
- certification of finishing plant as „Energy Conscious Company“ according to the German “Spitzenausgleich-Effizienzsystemverordnung”
- CO2 savings of 2,282 to/pa (equivalent to a distance of approx. 15,737.931km for cars)



GOF-recycling

- usage of post-consumer PET (EU-origin-only, collection within 150 km of recycling plant)
- CO2 compensation by supporting afforestation projects with PLANT-MY-TREE®
- post-consumer recycled yarn certified according to GLOBAL RECYCLED STANDARD (GRS) - Version 4.0:2017
- recycling of production waste
- non-recyclable waste is fed into the energy cycle as secondary fuels
- reuse of packaging material
- use of reusable transport skids
- member of the SEAQUAL® Initiative for cleaning the Oceans of marine litter
- Overview sheet Recycling vs. Greenwashing
- Overview Local vs. Global - There can be no discussion when it comes to recycled polyester



GOING GREEN BY FRIEDRICH

Georg + Otto Friedrich GmbH

Waldstraße 73

64846 Groß-Zimmern

Germany

Phone: +49 (0)6071 492-0

Email: mail@g-o-friedrich.com