

DITF

DEUTSCHE INSTITUTE FÜR
TEXTIL+FASERFORSCHUNG



CO₂ FOOTPRINT OF PRODUCTS

PRODUCT CARBON FOOTPRINT

CALCULATED BY DITF



EUROPEAN GREEN DEAL

As part of the Green Deal, the EU is planning to require companies to determine and publish the product carbon footprint (PCF) of their products in the future.

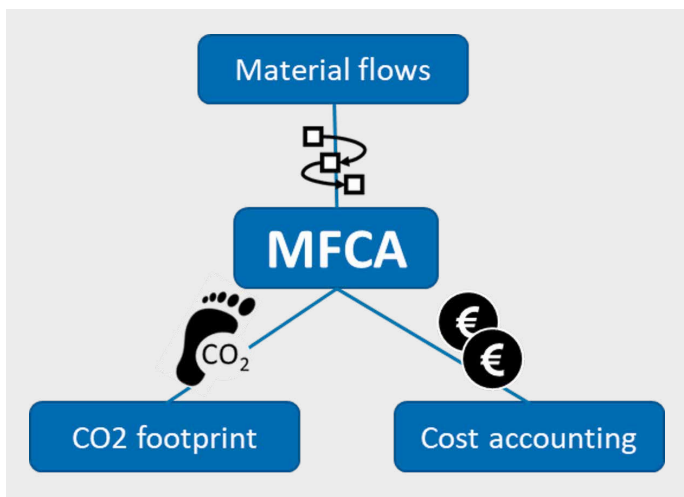


ISO 14067:2018 defines a standardized process, but the required values cannot simply be looked up in a database. Depending on the material deployed, the specific process and the energy sources used, the values vary greatly and must be calculated individually. The multi-stage nature of textile manufacturing processes increases the complexity.



DITF work with the MFCA method (Material Flow Cost Accounting) and have developed extensive model libraries for common textile production processes, including circular economy approaches, such as eco-design and recycling, which can be customized for your company. These models then only need to be filled with your process and product data and can be customized for your company.

MATERIAL FLOW COST ACCOUNTING



Three in one: material efficiency, economy and ecology

The special feature of this method is the possibility of combining different issues in one model: material efficiency, economy and ecology.

The focus here is on the use, consumption or loss of resources such as materials, energy, time and costs. Furthermore, new materials, recyclates and recycling processes can be seamlessly integrated into the models. This allows you to develop, simulate and evaluate various scenarios in your company and thus provide well-founded support for decisions in production and new product development.

COMPETENCES

At the Center of Management Research, this method has been used successfully for many years for various issues. Extensive model libraries have been created for the various textile processes – from spinning to fabric production and finishing, right through to confection with cutting.

These models are parameterized so that your complete product range with variants can be calculated, evaluated and compared quickly, clearly and transparently.



Allocation Coil V mat Personnel



Electricity Production: 5,494,388.81 kWh
Electricity Climate: 1,813,273.62 kWh
Electricity Filter: 429,412.42 kWh
Electricity Lighting: 304,334.29 kWh
Electricity Malfunction: 85,131.92 kWh



OUR SERVICE MODULES

We have put together various service offers for you so that you can plan your path step by step: From initial familiarization with the method to productive use for calculating complete product ranges or comparing alternative product variants and new process technologies.

Introductory Workshop Module

In this workshop, we develop together the framework conditions for determining the product carbon footprint of your company's products. Terms such as PCF, Scope 1, Scope 2 and Scope 3 will no longer be foreign to you. This will make the critical hotspots in your product portfolio visible.

The offer includes a one-day workshop on site as well as its preparation and follow-up and detailed documentation.

Package price 3,500 €

Module PCF Product Line

Development of a company-specific process model for one of your product lines. The most important data (parts lists, work plan, energy requirements, emissions) are collected in MS Excel. The model can be used for different products and variants. This paves the road of the PCF for your complete product portfolio. It can also be used to simulate alternative process technologies and new products in advance. This enables you to carry out a targeted potential analysis.

Get in touch with us. We will be happy to prepare a customized offer for you.



CONTACT

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Your contribution to the EU's climate target of reducing emissions in the EU by at least 55 % by 2030



The German Institutes of Textile and Fiber Research Denkendorf conduct research along the entire textile value chain from the molecule to the product. They are a foundation under public law and supervised by the of the Ministry of Economics, Labor and Tourism Baden-Württemberg.

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