



resource-efficient textile

lightweight design

in large-scale production



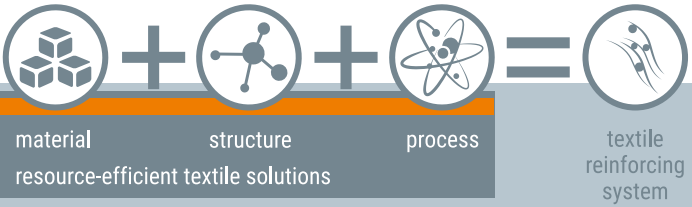
RESSOURCETEX



RESSOURCETEX
= well-networked
expertise in
resource-efficient
textile lightweight
design in large-
scale production.

Twelve companies and four research institutes are pooling their know-how in the network RESSOURCETEX in order to break new ground for continuous production of resource-efficient semi-finished textile products and semi-finished products made of fiber-reinforced plastics, as well as recycling concepts for residual fiber materials and recycled carbon and mineral fibers.

 RESSOURCETEX



Textile technologies for affordable lightweight design in large-scale production

Fiber-reinforced plastic composites with their high lightweight design potential are the materials of the 21st century. At the same time, however, these new materials are in tough competition with traditional materials. Steel and aluminum in particular offer advantages with regard to the market price and the highly developed and long established processing technologies. In order to be successful in this competition, it must be possible to produce, process and reuse in particular these reinforcing textile and fiber-based structures cost-effectively.

The network develops and offers smart solutions for

- Continuous production of load-adapted semi-finished textile products for fiber-reinforced plastics
- manufacture of heavy-duty textile structures and semi-finished products by using fiber residues and recycled fibers for lightweight composite components

Added value:

- Optimal use of fibers by combining different fiber types
- Reduction and avoidance of waste
- Further use of existing production waste at a high quality level
- Efficient reintegration of „end-of-life“ fibers into the value creation process

**»The optimal fiber in optimum quantity
at the optimal location«**

Partner



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