

STFI - Saxon Textile Research Institute



SÄCHSISCHES
TEXTIL
FORSCHUNGS
INSTITUT e.V.

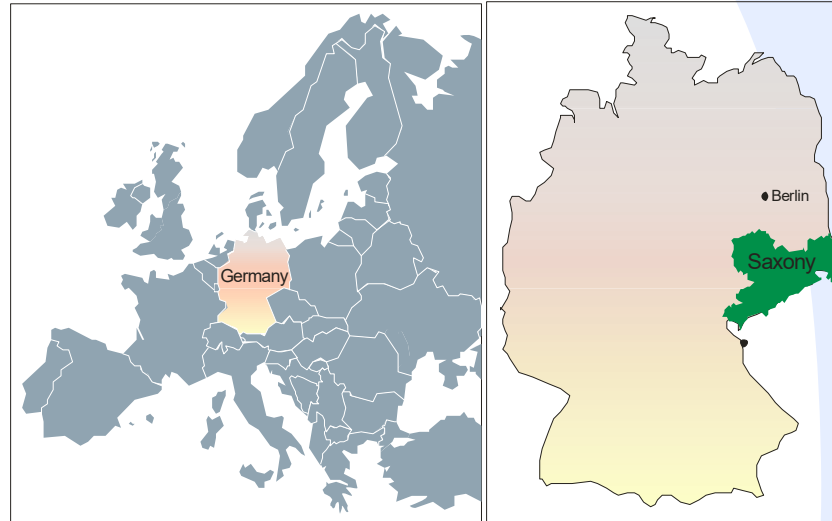
- Non-profit , founded in 1992
- Since 2006 associated to Chemnitz University of Technology

- About 140 employees (researchers, laboratory assistants and technicians)

- More than 100 R&D projects on regional, and national level are carried out each year (BMW i, BMBF, AiF, SMWA, SMWK, ...)

- 5 to 10 patent applications are submitted per year.

- Member of TEXTRANET, EDANA, European Technology Platform, Euro Textile Region, standardisation working groups, etc.



The institute is located in Saxony.



Competencies

Profile of STFI

Center of Excellence in Nonwovens

- Fibre Nonwovens
- Spunbonded Nonwovens

Innovation Center of Technical Textiles

- Woven, Knitted and Composite Products
- Finishing / Coating / Lamination

Services

- Testing
- Certification of PPE
- Certification Center for Geosynthetics

Transfer Center

- Communication and Process Management
- International Cooperation & Research Transfer



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Services

Accredited Test Laboratory

Accredited according to DIN EN ISO / IEC 17025,
amongst others tests of Personal Protective Equipment (PPE)
following the Council Directive 89/686/EEC

Test laboratory for the Oeko-Tex Standard 100 in Germany

Special testing at STFI

- Human ecological safety
- Characterization of filter media
- Testing of composites
- Testing for automotive industry
- Testing of geosynthetics
- Net testing
- Protective clothing against electrical arc
- Chemical protection
- Molten metal protection
- Comfort of protective clothing (Hohenstein skin model)

www.textilpruefung.de



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Services

Certification Department for PPE

Personal Protective Equipment (PPE)
following the Council Directive 89/686/EEC
Notified Body 0516

Test lab for testing protective clothing for racing car drivers
according to FIA-Standard No. 8856-2000

Certification Body Geosynthetics

for the Factory Production Control (FPC) in the meaning of the EU
Construction Products Regulation (CPR) No. 305/2011
Notified Body 0516

Accreditation in according to DIN EN 45011 by
„Deutsche Akkreditierungsstelle GmbH (DAkkS)“



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Transfer Center

Communication and Process Management

Main fields of research

- Process management / Modelling
 - Analysis of technological processes
 - Development of mathematical prediction models / Test planning
 - Process modelling / Process optimization
 - Application of RFID / Product labelling
- Laboratory process management **TOLab!S-AX**
- Communication / Public relations
 - Organization of conferences, symposia, workshops and training courses
 - Search for special information and information transfer
- IT management
Development, maintenance and administration of specialized databases, networks, internet applications, platforms and tools



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Center for Textile Lightweight Construction



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- Processing of glass, carbon, aramid, basalt
- Web forming, web bonding, warp-knitting technology
- Manufacturing of component-specific semi-finished elements
- Processing of fibre compounds and composites
- Integrated testing laboratory

Opening 2016



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