

The complete service offering of TITK and OMPG is listed in the following overview:

## Development of compositions and processes

### Material testing of...

- plastics / compounds
- plastic parts
- plastic films
- fibre compounds
- foam plastics
- textile area-measured materials / non-wovens
- fibres / yarns / filaments
- leather / leatherette
- rubber
- polymer solutions
- electrical and electronic equipment with take-back obligation

### ...in the fields of

- physical - mechanical tests / rheology
- chemical analysis (analysis of materials and hazardous substances)
- microscopy
- thermal characterisation
- colour determination
- determination of electrical properties
- optical tests
- particle analysis
- dynamic ESR-spectroscopy

### Subsequent processing of materials

- production of non-wovens (needle, wetlaid, spinn non-wovens)
- composite production (compression, injection moulding, winding)
- production of laminate
- melt, wet and dry spinning

Visit us on [www.titk.de](http://www.titk.de) for more details.

## Contacts

**Dr.-Ing. Renate Lützkendorf**  
Head of the Textile and Materials  
Research Department  
**Textil- und Werkstoff-Forschung**  
phone: 0049 (0) 3672 - 379 - 300  
fax: 0049 (0) 3672 - 379 - 379  
email: [luezkendorf@titk.de](mailto:luezkendorf@titk.de)

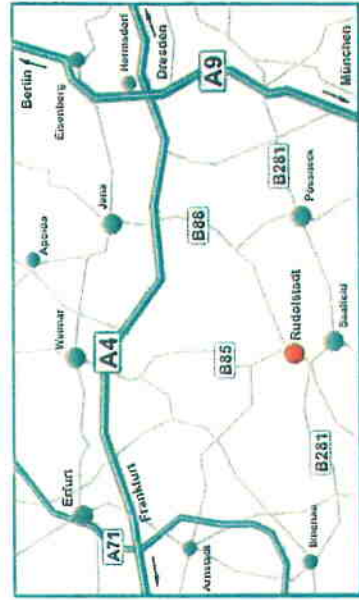
**Dr.-Ing. Thomas Reußmann**  
Research associate  
phone: 0049 (0) 3672 379 - 310  
fax: 0049 (0) 3672 379 - 379  
email: [reussmann@titk.de](mailto:reussmann@titk.de)

**Dipl.-Chem. Carmen Knobelsdorf**  
Research associate  
phone: 0049 (0) 3672 - 379 - 314  
fax: 0049 (0) 3672 - 379 - 379  
email: [knobelsdorf@titk.de](mailto:knobelsdorf@titk.de)

**Thüringisches Institut  
für Textil- und  
Kunststoff-Forschung e. V.**

**Ostthüringische  
Materialprüfgesellschaft mbH**

Breitscheidstraße 97  
07407 Rudolstadt  
Germany  
phone: +49 (0) 3672 / 379 - 0  
fax: +49 (0) 3672 / 379 - 379  
[www.titk.de](http://www.titk.de)  
[info@titk.de](mailto:info@titk.de)

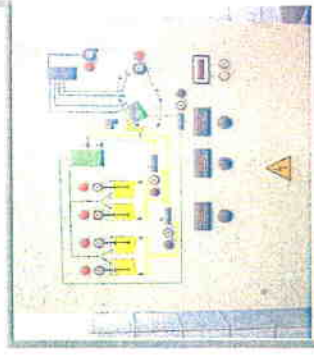


**Thüringisches Institut  
für Textil- und  
Kunststoff-Forschung e.V.**



**Ostthüringische Material-  
prüfgesellschaft für  
Textil und Kunststoffe mbH**

Versuchsdurchführung  
Technologieentwicklung - Kleinserien  
**Nassliesanlage**



**Laboratory Fourdrinier**  
Carrying out the test  
Development of technology  
Small series production



## Technische Daten (technical data):

- Vliesbreite (Nonwoven width): 300 mm
- Geschwindigkeit (speed): 1 – 10 m/min
- Wasserumsatz (flow rate): ab 500 l/min
- Testen von Faserqualitäten (Schnittlängen, Dispergier-eigenschaften, Entwässerungsverhalten...)
- Test the fiber quality ( cutting lenght, dispersing properties draining behaviour
- Testversuche mit 100g Fasermaterial (tests with 100g fiber material)
- 1- und 2-lagige Vlieskonstruktionen herzustellen
- Manufacturing of 1- and 2-layer nonwoven structures
- Verfestigung über Flüssigbinder, geschäumte Bindersysteme oder Bindefasern
- reinforced with liquid or foamed binders or binder fibers



## Faserstoffe (Fibers):

- Synthefasern: PES, PA, PP, ...
- Synthetic fibers: PES, PA, PP, ...
- Bindefasern: PVA, Co-Polyester, Biko-Bindefasern
- Binder fibers: PVA, Co-polyester, bico-binder fibers
- High-Tech-Fasern: Aramide, Carbon, Keramik, ...
- High-tech-fibers: aramid, carbon, ceramic, ...
- Mineralfasern: Glasfasern, Mikroglas, Steinwolle
- Mineral fibers: glass fibers, micro glass, mineral wool
- Metallfasern: Titanfasern, Stahlfasern
- Metal fibers: titan fibers, steel fibers
- Zellstoffe (pulp)
- Abfall- und Recyclingfasern: Leder, Teppichfasern, Scherstäube
- Filling waste- and recycling fibers: leather, carpet fibers, textile flock
- Naturfasern: Flachs, Nessel, Hanf, Sisal...
- Nature fibers: flax, ramie, hemp, sisal
- Chitosanfasern (chitosan fibers)

