

knowledge centre

governed by the Belgian textile industry

centre of competence

- research and development
- and technical centre

- members are
 - textile companies
 - associated companies and organisations

- staff
 - 140 skilled and highly educated men and women



R & D



- special attention to SME's
- regional, national, and European funding
- collective, pre-standard and private research
- applied
- strategic
 - raw material – processes – finished product – applications - recycling



R & D technology fields

functional
thermoplastic
textiles

melt-processing of polymers
in textiles
and composites

textile
functionalisation &
surface modification

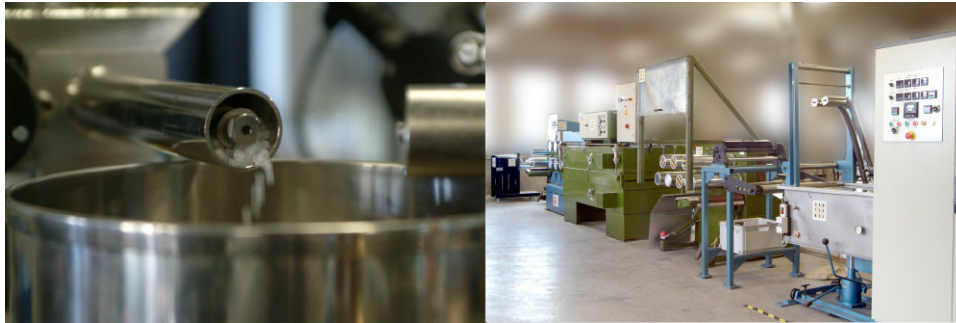
coating, finishing and
surface modification for new and
superior functional performance

health,
safety & security

textile products for
health care, safety
and security purposes



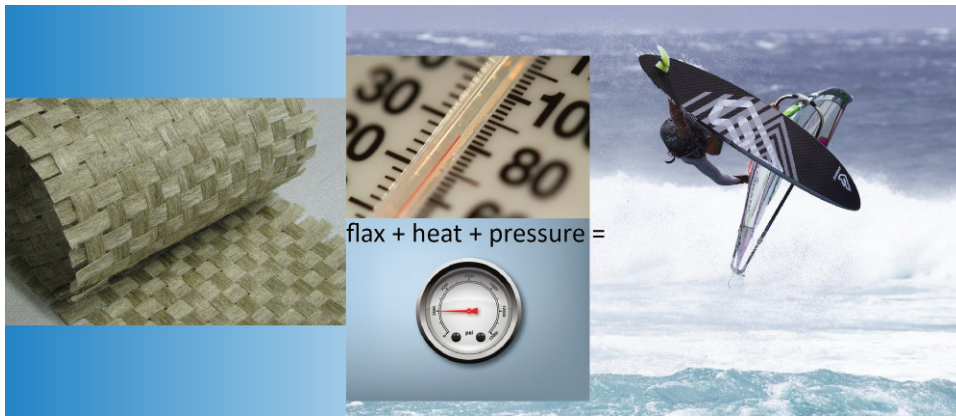
functional thermoplastic textiles



Extrusion processes

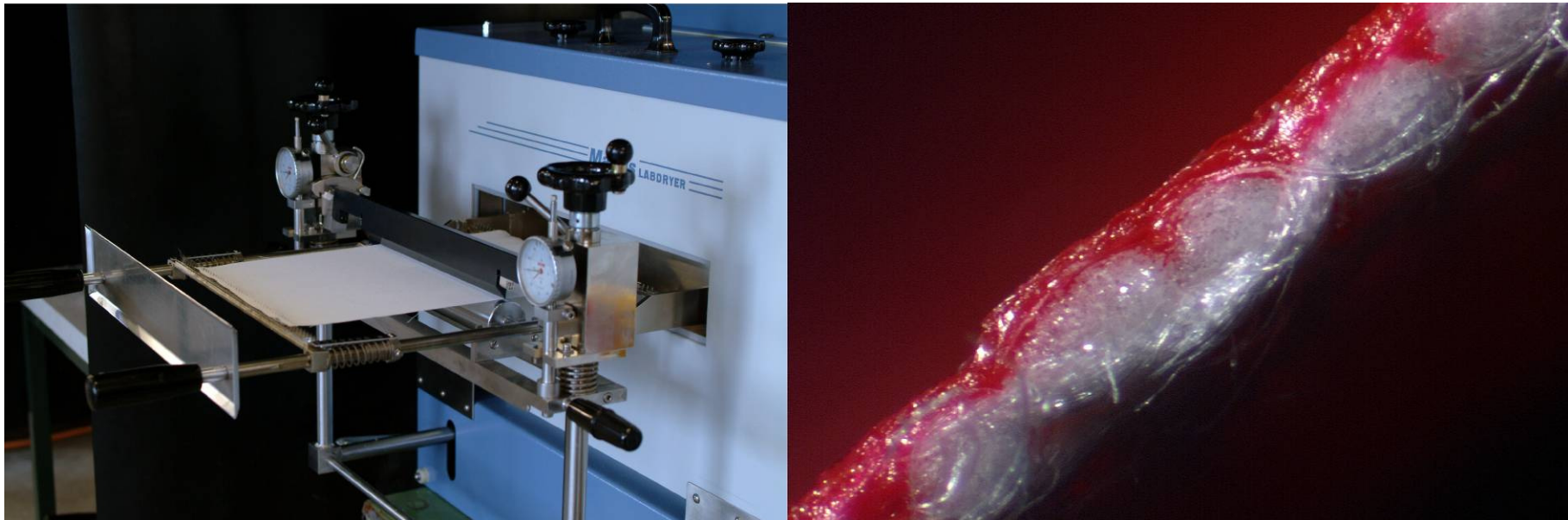
BCF & Bi-component
tapeline
compounding

Extrusion



Composites (preforms, flax)

textile functionalisation & surface modification



Coating line (CNT coating)

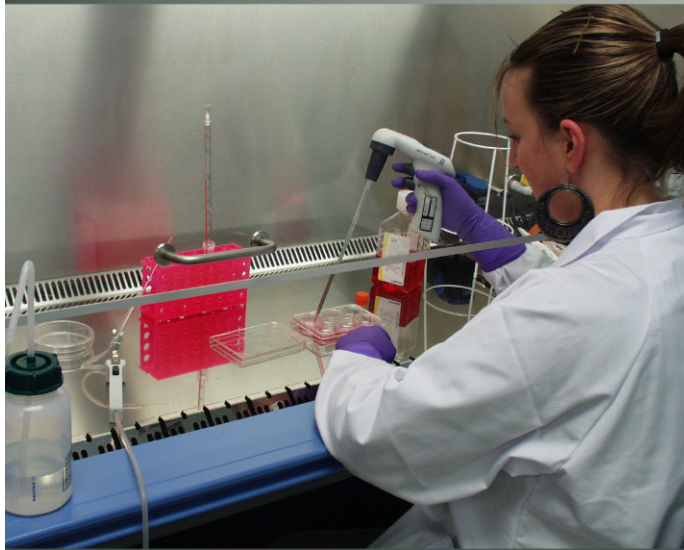
Plasma

UV curing

Other...

health, safety and security

medical and bio-functional textiles
intelligent textiles for assisted living & working
ergonomics and comfort
personal risk analysis and safety



testing

ISO 17025 accredited

- Physical testing
- Chemical testing
- Burning behaviour
- Microbiology

ISO 17025



056-TEST



physical testing

- fibres, yarns, fabrics
- finished products

- All usual tests

- electrostatic analyses
- infrared thermography
- thermal and transpiring mannequin
- laser protection

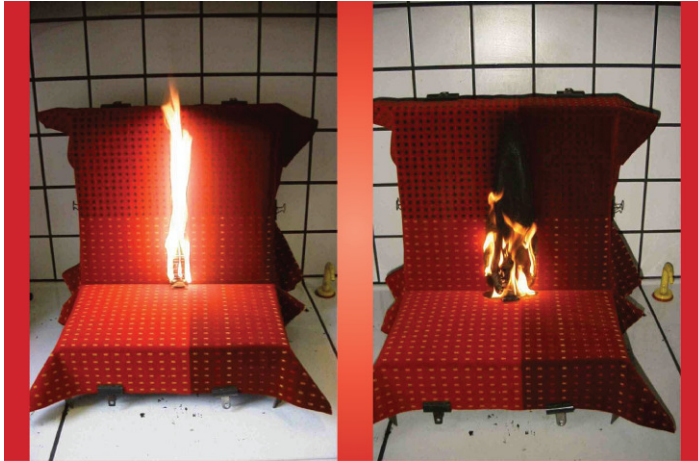


chemical testing



- All usual textile-chemical methods
- Protective clothing
- Functional additives
- Product emission, health, odour
- Sophisticated equipments:
 - gas (GC) and liquid (HPLC) chromatography
 - mass spectrometer (MS)
 - ICP and XRF

burning behaviour

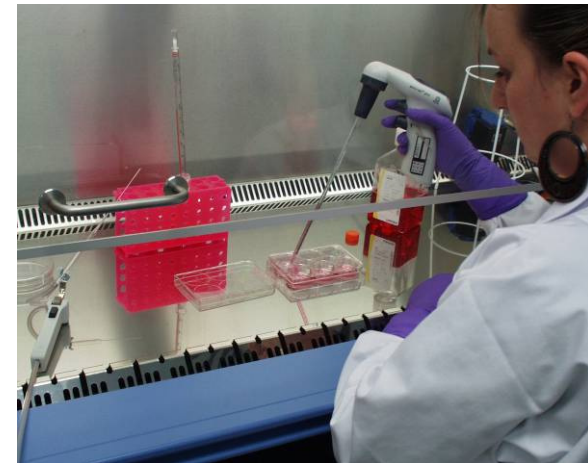
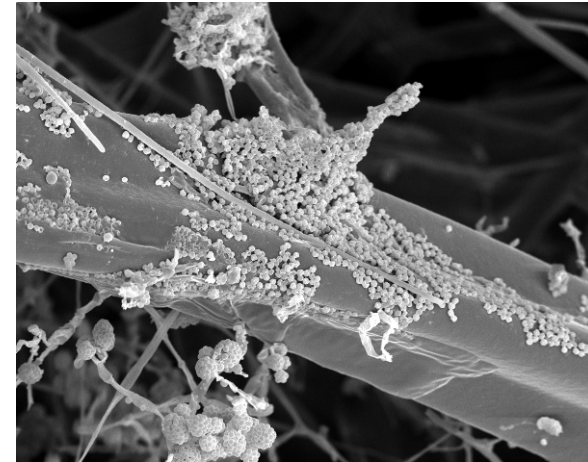


- flame propagation
- flammability
- FR-properties
- smoke density & composition
- heat insulation...

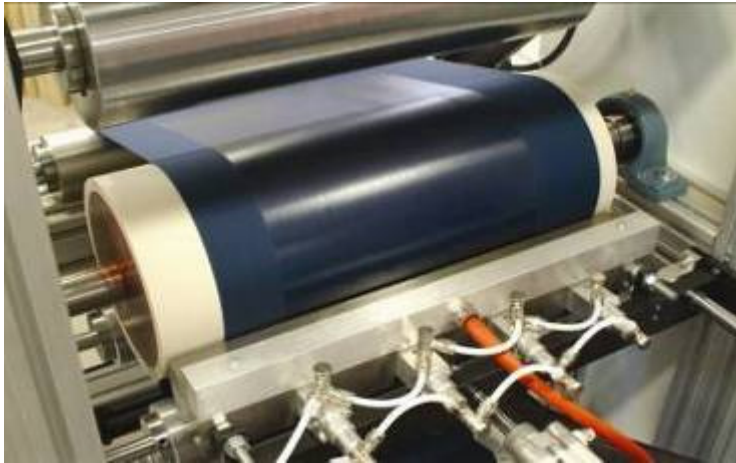


microbiology

- biocides : bacteria and fungi
- biodegradability
- barrier properties
- linting properties
- microbiological cleanliness
- cytotoxicity



textile coating & finishing



- fully equipped semi-industrial textile coating & finishing testing facilities

semi-industrial extrusion lines



- for yarns, tapes and films
- twin screw compounder

knitting platform



- Flat-bed knitting machine
- Warp knitting machine
- Braiding machine

Other activities

- Certification : 

- Labeling :  **made in Green**[®]
by AITEX



- Services :
 - Standardisation, Patent cell, Training

