



Litia
tech &

Technical yarns for industry
& personal protection

Litia is...

- very flexible and responds quickly to your needs
- equipped with advanced technologies for the best quality products
- always developing to market needs
- ready to go that step further with you

Yarn options to match
your infinite imagination

tech

industrial filtration
personal protection

apparel

functional and
performance yarns
fashion

home

upholstery
curtains and blinds
mattress ticking
outdoor

One of Litia's main focuses is to offer a wide range of technical yarns for industrial needs. We supply yarns for extreme functional end uses and by constant development and the use of the best possible materials we guarantee top quality programmes.

Polypropylene

Applications: for wet filtration

- excellent chemical resistance
- at high temperature the fibers keep almost all of their normal mechanical properties
- very lightweight
- high strength
- abrasion resistant
- low moisture absorption

Supplementary:
also in variation for food contact products

Acrylic Homopolymer

Applications: for hot gas and dust filtration and wet filtration

- higher temperature and dimensional stability
- greater hydrolysis and chemical resistance
- high tensile strength

Polyphenylene Sulfide

Applications: for heat and chemical filters, papermaking felts, insulators, reinforcing materials etc.

- excellent heat resistance
- high melting point
- stable on most acids, alkalis and organic solvents
- similar to polyester in strength, elongation and elasticity

M-Aramid

Applications: high temperature gas filtration tail gas/ fume/dust from metallurgical plant, carbon black plant, iron works, cement plant, etc.

- long-term thermal performance and chemical stability
- folding endurance
- high resistance to breakage

Supplementary: antistatic function

Metal-based antistatic, up to 30% in the blend

- prevents charging up
- consistent electrical conductivity
- high corrosion and mechanical resistance
- superior lifetime



Lives often depend upon materials that we supply and so we take our job seriously. We ensure that our products address comfort, durability and adaptability by using the best blends to serve our customers' needs and the final end user's needs. After all, it is not just about business, it is about safety and quality of life. By careful selection of the best raw materials in combination with the best spinning processes and practices we help our customers to create products with the desired functional properties.

Flame retardancy

with Modarcrylics FR

soft, warm and resilient

100% and in blends with cotton, Lenzing FR, viscose, modal etc.

permanent flame retardancy, easily dyeable, outstanding resistance to chemical agents, metal splash resistant, arc-flash protective, not toxic & non-allergenic, no moth or mildew threat

with Meta-Aramids

100% and in blends with cotton, Lenzing FR, viscose, modal etc.

good resistance to abrasion, low flammability, nonconductive, non melting, wearability and folding endurance

with Para-aramids:

improved strength-to-weight properties

Abrasion resistancy

for uniforms, professional and active wear

- durability
- comfort
- light weight and strong

in blends like:

- cotton / polyamide 6.6 T420
- polyamide 6.6 T420 / cotton / lyocell TENCEL
- cotton / polyamide 6.6 T420 / elastane XLA

Antistatic

It is possible to supply most of our yarns with an added antistatic function by adding 2-3% of a choice of antistatic fibre in the final yarn:

- Polyamide - carbon based
- Polyamide - silver based
- Polyester - carbon based

Other functionalities

- polyester with regulated IR remission
- acrylic Amicor – antibacterial & antifungal
- polyester Cationic – dyeing effects
- polyester Coolplus – water diffusion, quick-dry, air permeability
- viscose Viloft – moisture management
- polyester L2 Thermo – thermo regulative
- lyocell Clima – thermo regulative
- elastanes Lycra and XLA – core yarns for higher comfort
- core yarns with polyester filament as core
- Lyocell Protection – protective against insects

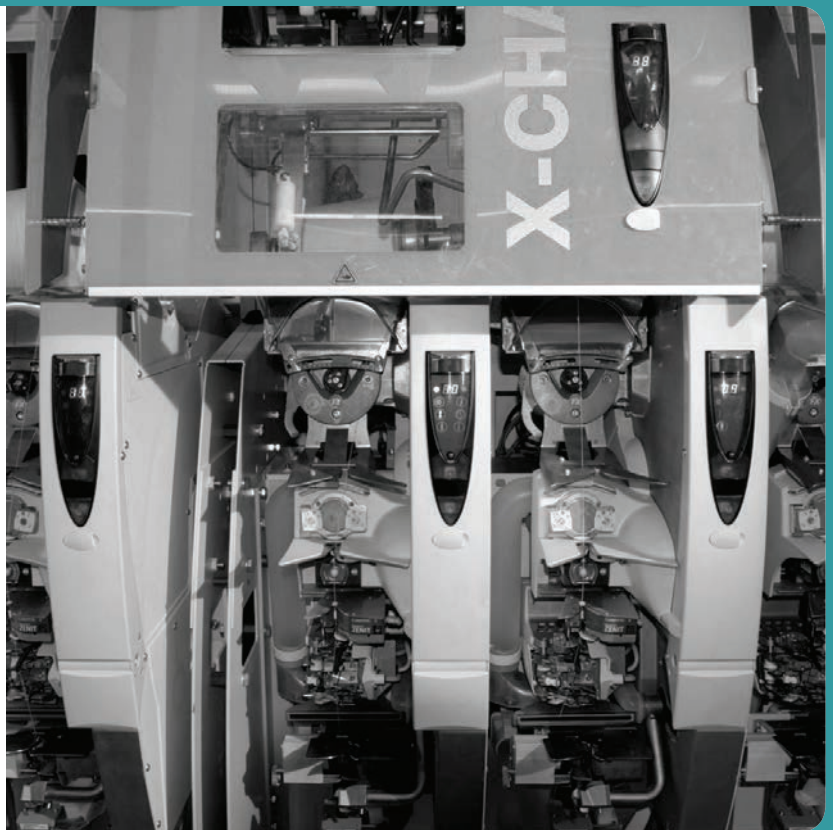
Various forms of spinning: ring, compact, siro-spun, core, single or twisted.



We Are Developing the Future

We are well aware of the complexity of presenting new articles to the market from the early development stages to the successful market penetration. We see ourselves as the point where fibre innovations meet technological innovations.

With the input of our in-house knowledge coupled with first class quality systems and our willingness to develop specific characteristics into our yarns we offer new development opportunities to all of our customers.



And We Also Work With You

We are happy to develop yarns to your specific requirements. By intensive communication we can follow your needs and assist you - not only with the production of specific articles, but also by offering our customers all the technical support that is required as well as our support in all certification procedures.

The flexibility of our production capabilities is being continuously upgraded so that we can offer favourable delivery terms. Our emphasis on R&D and service means that we are your partner right through to the final article.



Since
1886

Litia - a thin yarn that leads to strong trust

Litia is the brand name for Predilnica Litija - one of the the leading European producers of specialty yarns from natural and synthetic fibres and their blends.

We are a cotton type spinning mill specialised in ring-spun yarns from bi- or more-component blends of different natural and man-made fibers. Our yarns are used for a variety of end-uses in apparel, home and technical textiles, in weaving as well as knitting.

We specialise in product development and we continuously bring to market new innovative blend yarns. We work closely with our partners and we are confident that we can provide the best solutions to your needs.



Photo: Manca Juvan, Stojan Femec
Concept & design: Poanta / www.poanta.si



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Litia
PREDILNICA LITIJA