

KNOW HOW

Production, Research & Development of technical fibers and yarns for innovative textile solutions.

Stretch breaking, cutting, blending, twisting, covering, compounds, insertion, winding, dyeing, finishing, washing on bobbins.

Specific developments of various textile products :
Ropes, cables, cords, knitted and woven fabrics, nonwovens...etc.

Applications : Transports, Defence, Industries, Smart textiles, Heating textiles, Filtration, Protection, Aerospace....etc.



PRODUCTION & DEVELOPMENT

Single and twisted yarns - Ring spinning (long fibres)
From 170 dtex to 50 000 dtex (Nm 60 to 0,2)
Diameters from few hundredths of mm to several mm

Plied yarns - Self-twist spinning
200 dtex 2 ends (Nm 50/2) to 670 dtex 2 ends (Nm 15/2)

Staple fibres and slivers
Stretch broken and cut material
Length between 15 and 200 mm

Covered yarns
Simple, double covering... etc.

Monofilaments and multifilaments
Assembly with spun yarns, elastic yarn...etc.

We create and adapt our machines to widen our range of products and satisfy your specific needs.

What are you looking for?

ELECTRIC CONDUCTIVITY

HIGH MODULUS YARN

MAGNETIC SHIELDING

CHEMICAL STABILITY

FLAME RESISTANCE

SPECIFIC BLEND

CUT PROOF

MATERIALS

Stainless steel fibres (316, 304, ...)

Diameter : 8, 12, 22µm
100% or blended with other fibers :
Polyesters, aramids (para and meta), polypropylene... etc.

Metallic filaments (mono and multi)

Monofilaments (50, 80, 100, 150µm...)
Enamelled filaments (colored, conductive...)
Multifilaments (flat or twisted)
Copper, silver, steels, memory alloys...etc.

Thermostable and high resistance fibres

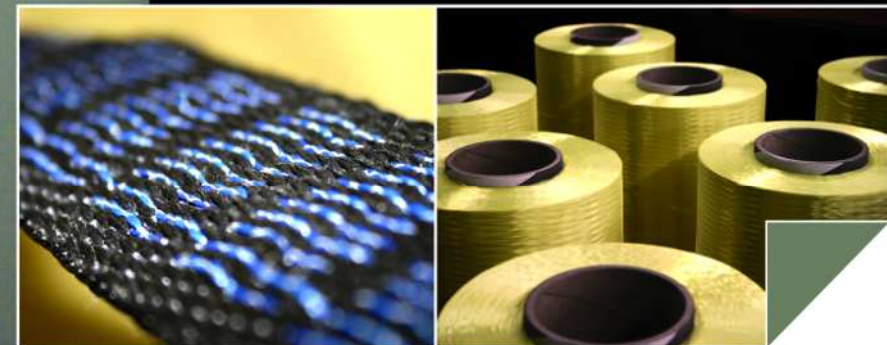
Aramids (Twaron®, Kevlar®, Kermel®, Zylon®, Technora®...)
PPHT (High Tenacity Polypropylene)
HMPE (High Modulus Polyethylene)
Preoxidized acrylic
Modacrylic (Kanecaron®)

Specific yarns developments
in partnership with fibres manufacturers

- Vectran® (cut resistance, temperature variation resistance...)
- IMAT'Fire® (fire proof : neither melts, nor flows, nor smokes...)
- PTFE Profilen® (fire proof, chemical and abrasive resistance...)

Other technical fibres and blends

Soluble yarn (PVA), glass fibres, photo luminescent yarns,
metallic fibres (copper, aluminium...etc)
retro reflective yarns



We spin your project

Don't hesitate to contact us for particular information
contact@imattec.com website: www.imattec.com

IMATTEC
International
Matériaux et textiles Techniques