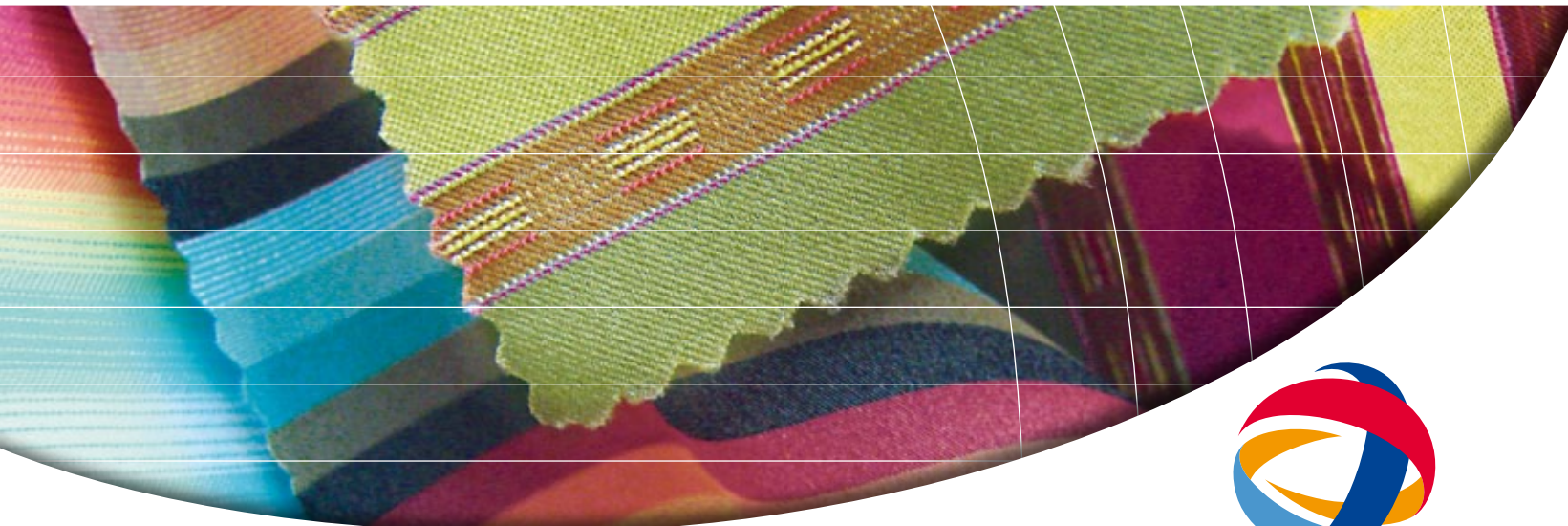
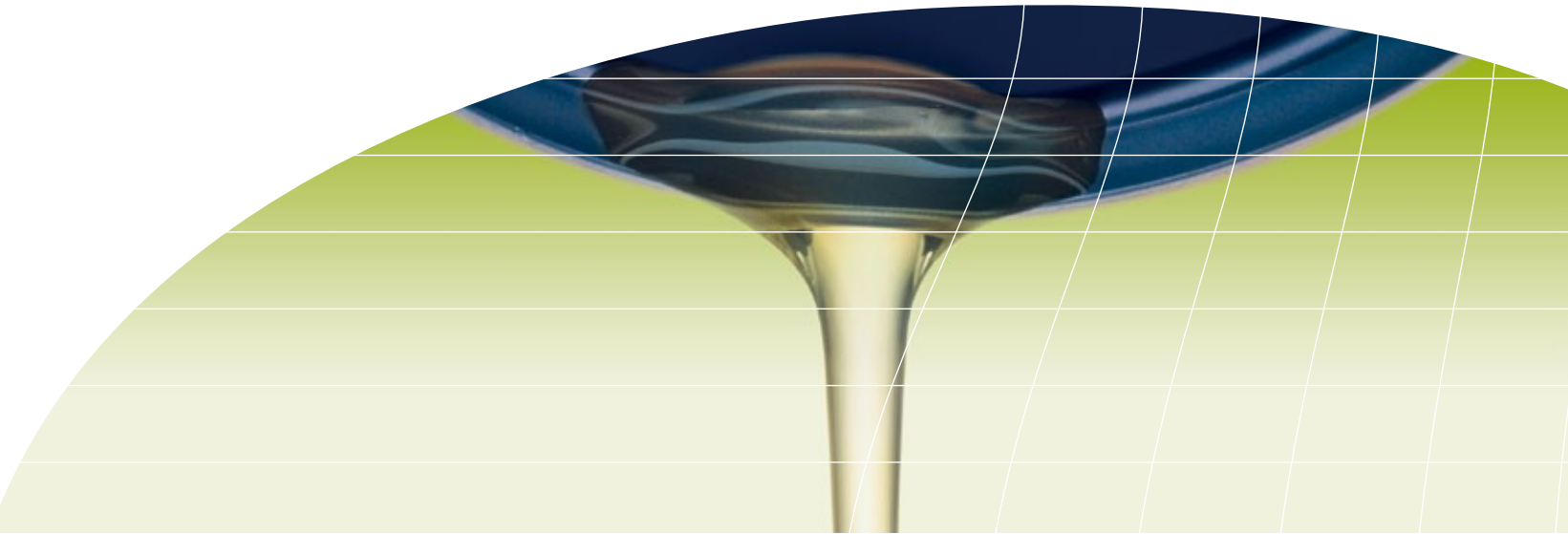


Textile industry

Industrial oils and auxiliaries



TOTAL

Performance and reliability PETRONAPHTE, the key to success

Producing yarns and fabrics matching your customers' expectations is an everyday challenge for you.

PETRONAPHTE textile auxiliaries and oils are designed to help you to meet this challenge. Even under the most difficult operating conditions, their use improves the yield of your machinery and the quality of your production at every step from the processing of raw materials to finished fabrics.

PETRONAPHTE products, designed in our Research & Development laboratory and produced in our plants under quality control, meet your customers' strictest requirements.

■ PETRONAPHTE product performance

- Easy application and washability
- High performance anti-splashing additive
- Low Yarn/Metal friction coefficients, avoiding static charges
- Improved interfilament cohesion
- Formulated to limit product losses and VOC during heat-setting process
- Reduces oil dripping at the yarn-guides
- Avoids oil fog in manufacturing plant
- Compatibility with machinery parts: plastic, metal, paint...

■ Benefits for you and your customers

- **Optimized productivity**
- **Guaranteed product quality**
- **Production rates**
- **Fewer machinery shutdowns**
- **Clean and protected** equipment
- **Lower consumption** (products, energy...)
- Operator **health and safety**
- Helps your **environmental initiatives**

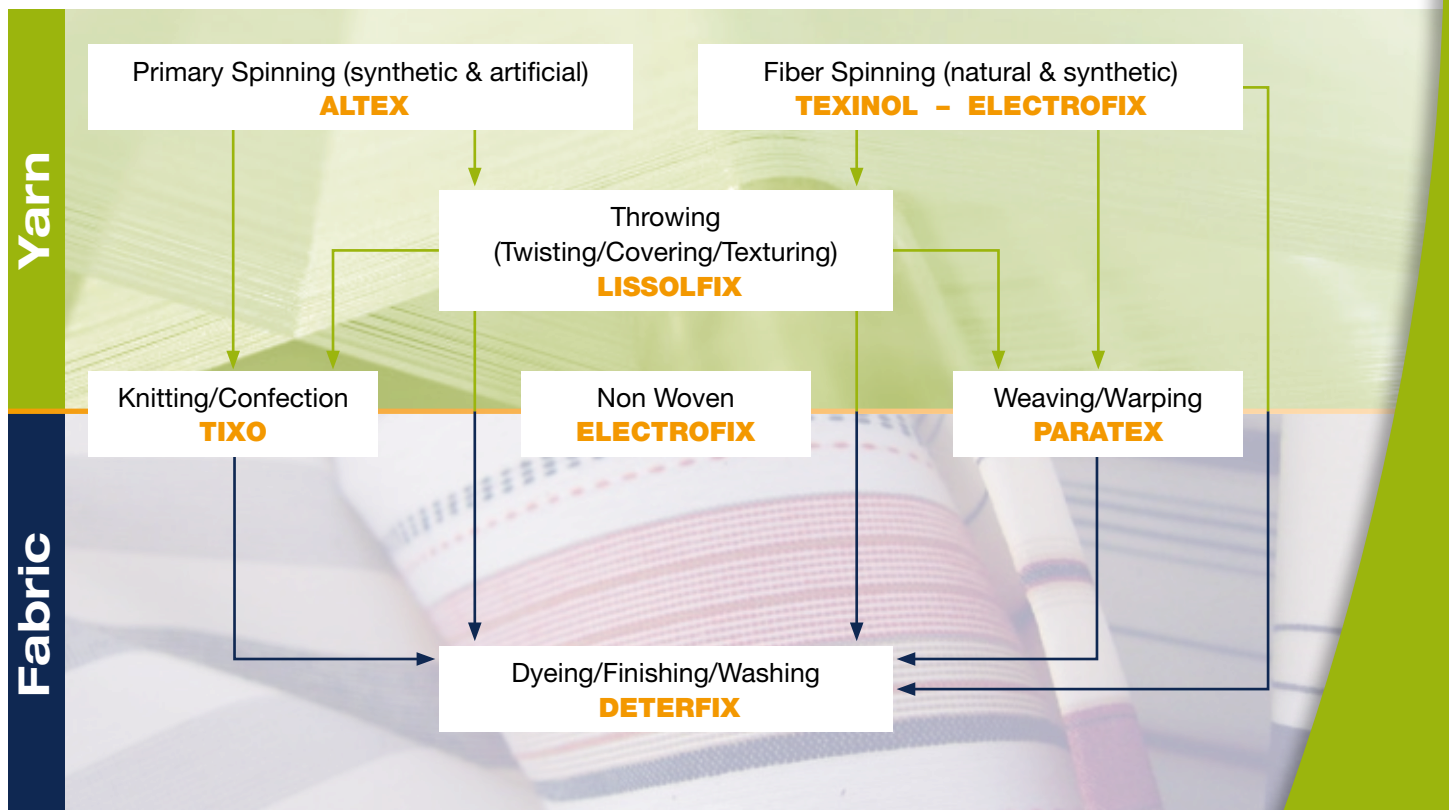
■ PETRONAPHTE guarantees, at a glance

- **Fogging test** for the automotive industry
- **M1 test** for equipment for public areas
- **OEKO-TEX** standard 100 label
- **European health and safety standards**
- ISO 9001 and ISO 14001 **certifications**

PRODUCTS FOR ALL TEXTILE INDUSTRY CUSTOMERS

Automotive ■			■ Floor coverings
Transport ■			■ Geotextiles
Clothing ■			■ Packaging
Furniture ■			■ Medical appliances
Lingerie ■			■ Technical textiles

PETRONAPHTE ranges by application





Spin Finish

ALTEX

Coning oils

LISSOLFIX

Knitting oils

TIXO

Weaving preparation

PARATEX

Non Woven auxiliaries

ELECTROFIX

Fiber Spinning auxiliaries

TEXINOL - ELECTROFIX

Finishing auxiliaries

DETERFIX

And other specialities



PETRONAPHE is a brand of Total Lubrifiants, dedicated to auxiliaries and oils for the textile industry.



Serving the textile industry

Textile specialists at your side

Through using **PETRONAPHTE** products you will benefit from our technical and commercial teams' know-how to improve your production processes. Because of our acknowledged experience and expertise we are partners with major players even in niche sectors of the textile industry.

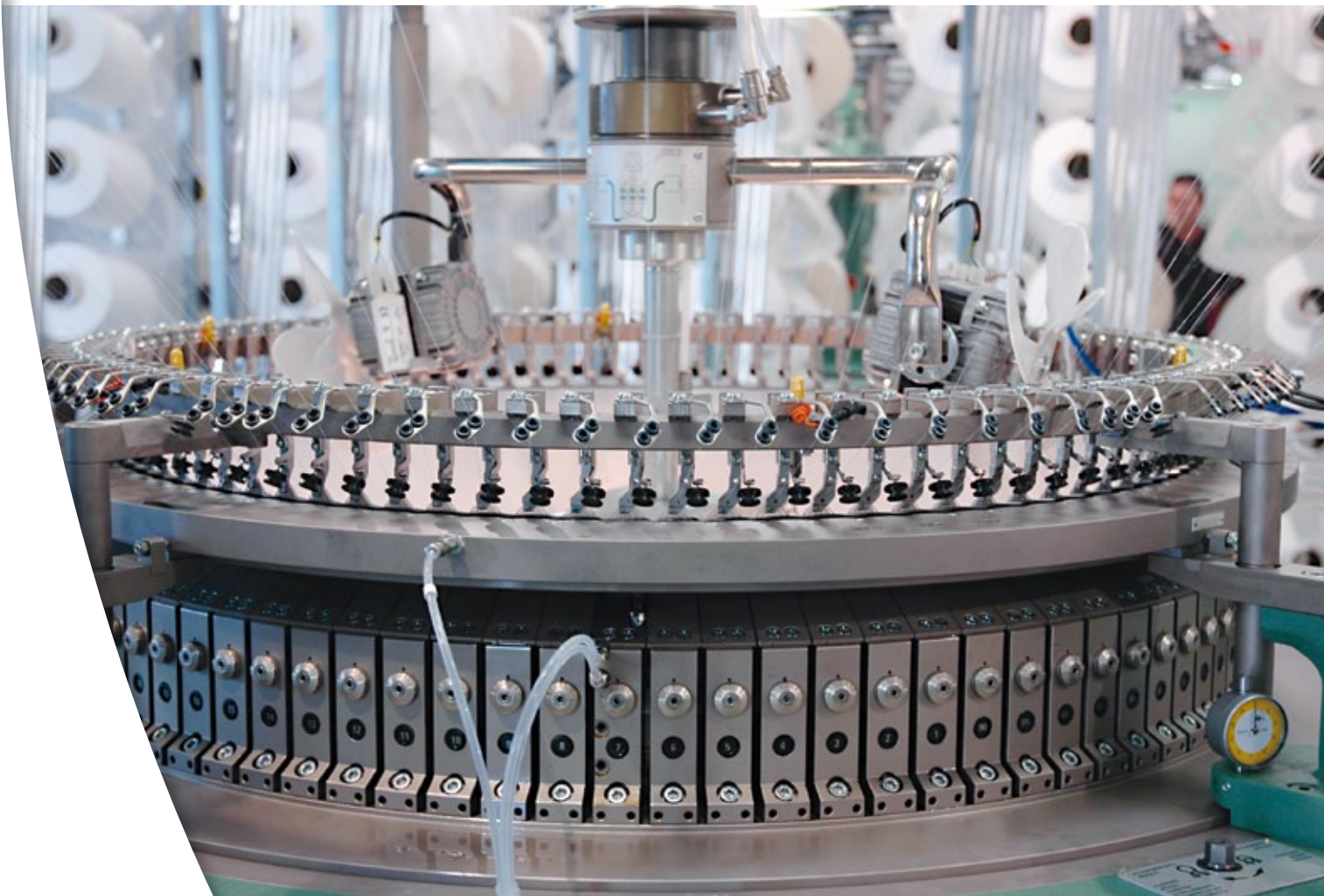
Innovation serving your challenges

Our R&D engineers work in close collaboration with textile and equipment manufacturers to create new products and improve current performance. Reducing environmental impact is also one of our main lines of research, and is reflected in the products we offer.

■ Did you know?

Our team has been the first to design and market anti-splashing for coning oil worldwide. This innovation has been widely acclaimed by coning oils users all over the world.

The high performance of our anti-splashing oil is a PETRONAPHTE exclusivity.



4 good reasons to choose PETRONAPHTE

A major player

Total Lubrifiants is a subsidiary of Total. The Group is the world's fifth largest integrated oil and gas company* and employs more than 96,000 people on five continents. PETRONAPHTE is the special brand of auxiliaries and oils for the textile industry. These products are designed, produced and marketed by Total Lubrifiants.

Worldwide representation

PETRONAPHTE products are marketed all over the world thanks to our distribution and representation network. We deliver the products to your production sites through logistics matching your requirements. Wherever you are, you benefit from the skills of our technical specialists.

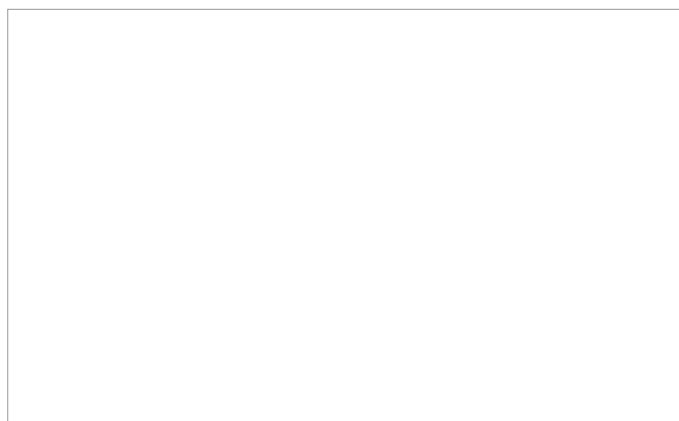
Innovation

With its major R&D investments and its close collaboration with textile equipment and consumables manufacturers, Total Lubrifiants has developed highly technical products, giving high performance. Our engineers' great expertise can also help your innovation by offering you new customized solutions.

Safe products

As we control the whole design, production and marketing process, PETRONAPHTE products always guarantee high quality anywhere in the world. Our products are ISO 9001 certified and meet OEKO-TEX standards. By choosing PETRONAPHTE you know you can rely on the performance of our textile auxiliaries and oils to optimize your productivity and maintenance costs.

** Based on market capitalization in dollars on December 31st, 2010*



www.petronaphte.com
www.lubricants.total.com
www.total.com



You know where to turn **TOTAL**