
ANTEX
Yarn innovation
since 1969

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1969

Anglès Textil, S.A. starts production of continuous filament yarns in Anglès (Spain)

2001

Antex Ltda.: new plant in Fazenda Rio Grande, Curitiba (Brazil), to serve the South American market

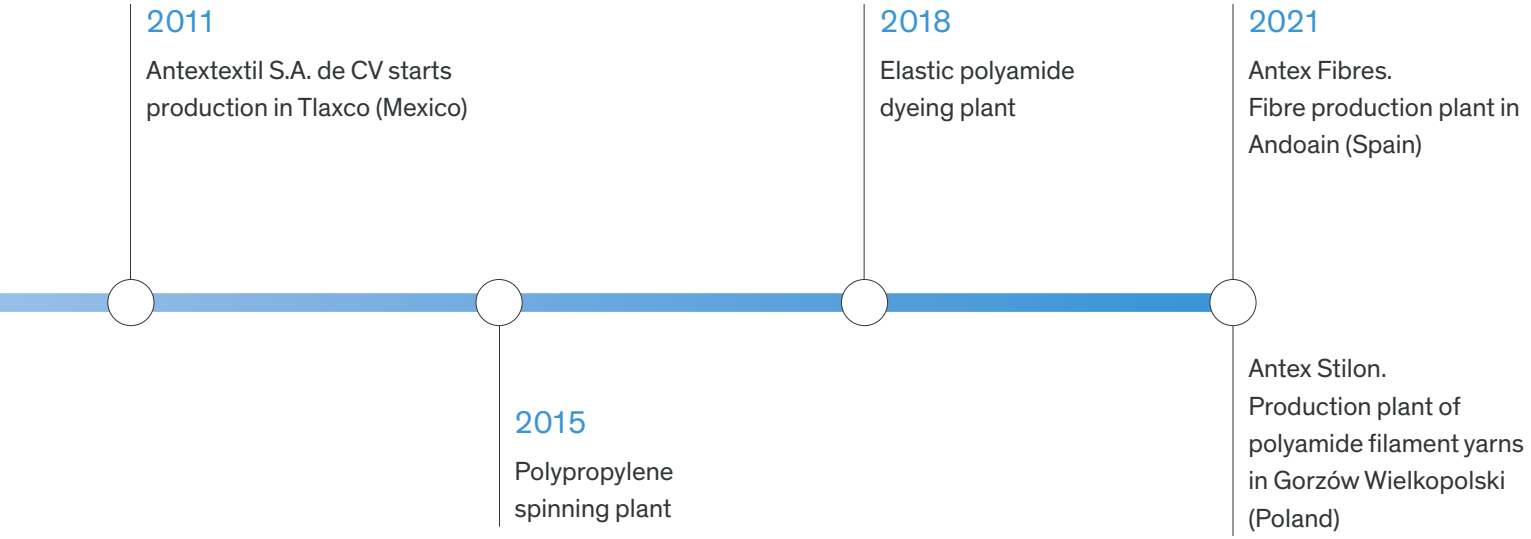
2008

Post-industrial and post-consumer waste recycling plant

2008

Master Batch production and development plant

We're a Spanish textile group founded in 1969
specialising in the broad sector of synthetic fibres



Materials

Available in our
recycled versions

POLYESTER

PES / PESCAT / PBT

Polyester is the main synthetic polymer used in textiles.

Due to its properties, versatility and cost, it can be used in most applications in different forms or counts.

Within the polyester range, we work with polyester in different lustre grades, PBT, cationic dyeable polyester, and on their recycled versions.

POLYAMIDE

PA6 / PA6.6

Polyamide has very specific properties in terms of touch, moisture management and resistance. These properties make it optimal for technical applications and for close to skin garments.

In Antex we extrude, texturize (false-twist and air), twist, dye and warp yarns of PA6.6 and PA6 in different lustres and in recycled versions.

POLYPROPYLENE

PP

Because of its resistance to exterior conditions the properties of Polypropylene are well recognized in certain applications such as outdoor upholstery, sportswear for its hydrophobicity, and other technical markets for its low melting point.

Antex offers solution dyed PP, UV stabilized filament yarns in FDY, textured, air-textured and mélange yarns.

Sustainable Line

We are a company linked to its environment, always ready to take on future challenges, involved in the reduction of energy consumption and pollution related to the disposal of non-biodegradable waste.

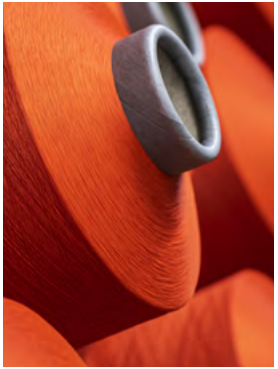
This is why we are committed to more environmentally friendly processes and technologies, and have developed a range of sustainable products, which, when combined with our R&D, allows us to obtain high performance environmentally friendly yarns.

Sustainable Line

YNVIRON™

Synthetic polymer yarns from post-consumer waste, specially designed to suit the requirements of each end-use application. GRS certification is available for the entire range.

YNMAS™



By incorporating colour during the extrusion and spinning process, we obtain solution dyed yarns with excellent regularity and colour fastness. This process achieves significant savings in terms of water and energy consumption when compared to dyeing in an aqueous medium.

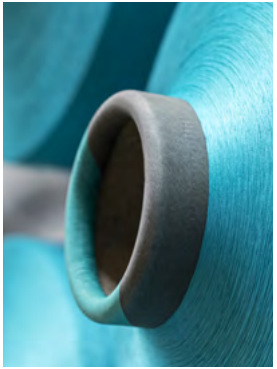
YARN BACK™

Recycled yarns generated from textile waste from the production processes of the textile chain and end-of-life textile products. Favouring zero waste production systems, which allows us to move from a linear to a circular economy.

YARNAWAY™

Biodegradation is one of the options being considered to combat the large amount of plastic waste that ends up in landfills. Our Yarnaway yarns offer a unique solution to accelerate biodegradation in biologically active landfills.

SEAQUAL INITIATIVE



Seaqual Initiative challenges environmental pollution and helps to clean up our oceans, helping society move towards a circular and sustainable economy. As part of this initiative, we have developed for different sectors and applications a wide range of Seaqual yarns which are 100% recycled and contain marine waste.

Processes

In order to meet our customer requirements, we use different industrial processes that transform synthetic filament yarns into yarns that comply with the specifications of each application.

Furthermore, we have increased our offer of materials and have gained flexibility in order to offer a better service and remain abreast of market changes.

1

Spinning

Continuous filament production from the extrusion and spinning of polymer chips.

- Production of POY and FDY yarn
- Polymers with a distinct TiO2 percentage
- Distinct polymers: PET, PBT, PP, PA6,6, PA6, Biopolymers
- Dpf range from 0.3 to 20
- Solution Dyed Colours
- Bi-components
- Additives for special properties

2

False twist texturing

Texturing process by machines equipped with an on-line quality control system, air-intermingling and automatic doffing systems.

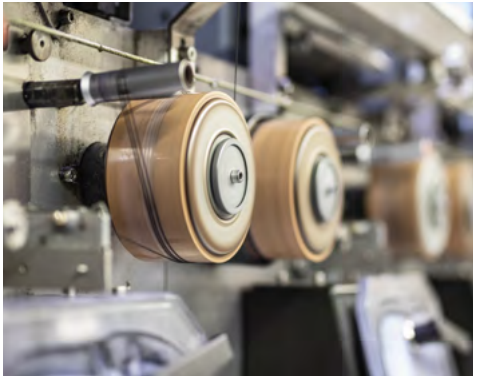
- PET, PBT, PP, PA stretch and set yarns
- All the counts in the market
- Bi-component yarns
- Special effects

3

Air Texturing Taslan

Texturing process that consists of giving cohesion and bulk to the filament yarns through the application of high pressured air.

- Parallel texturing system or core-effect of PET, PBT, PP, PA and Biopolymers.
- Yarn counts from 50 to 6.000 dtex
- Different coloured mixtures
- Medium and high tenacity yarns
- Special effects



4

Twisting

Two-for-one twist process to protect yarns and improve abrasion results. Can be used to avoid sizing processes in warps. Antex has one of Europe's largest twisting facilities.

- Twisted yarns of one or more plies
- From flat or textured yarns
- Crepe yarns
- High or low twist
- Special effects

5

Elastomer intermingling

Production of high elasticity yarns by interlacing elastomer.

- Flat yarns
- Textured yarns
- Air textured yarns
- Dyed yarns
- Yarns with or without torque

6

Dyeing

High-tech yarn dyeing, with autoclaves which can dye at temperatures of up to 140°C.

- Textile and automotive dyeing
- Dyeing of textured and air-textured yarns
- Dyeing of high-stretch yarns
- Dyeing of twisted yarns
- High level of light fastness
- Batches from 2 kilos to 2000 kilos

7

Master Batch

The production and development of a synthetic polymer Master Batch for the textile and automotive markets.

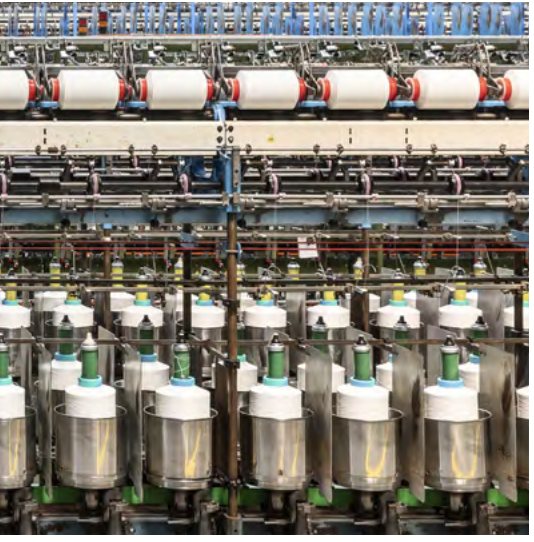
- Colours and additives
- Carriers according to product needs
- Small batches for trials

8

Recycling

Thermo-mechanical recycling process for textile waste, that converts it into reusable polymer that can be reintroduced into the industry.

- Post-industrial recycling
- Post-consumer recycling



9

High Elasticity

Special internal process for coloured yarns with high bulk and stretch. Tailored bobbin constructions for perfect dyeing procedure and colour continuity.

- Available in PA6.6, PA6, PBT and PES
- From 22 to 600dtex
- Twisted or intermingled
- Special effects

10

Fibres

Synthetic fibre production adapted to the requirements of each application.

- Counts from 3.3 to 20 dtex
- Length from 40 to 120mm
- Level of crimp according to customer needs

Applications

AUTOMOTIVE

Filament yarns for automotive applications. Headliners, seat covers, door panels, carpets and others. In solution dyed colours and sustainable solutions.

Fibre for automotive nonwovens according to specifications upon application, with tailor-made colours and sustainable solutions.

New materials for composite structures from fabrics based on thermoplastic filament yarns, for interior and exterior applications.

HOME TEXTILES

Yarns adapted to the fabric's aesthetic and technical requirements in different home applications: curtains, sofas, beds, table cloths, carpets… Fibres for filling and nonwovens for multiple applications.

OUTDOOR FURNITURE

Yarns for outdoor fabrics - pigment based colouration for high colour light fastness, and UV stabilisers. Wide range of colours and visual effects for more natural collections. Available in recycled and sustainable versions.

CONTRACT

Combination of visual effects with technical performance that fulfil the high requirements of contract application fabrics. Flame retardant, high abrasion, antibacterial… Wide range of sustainable solutions for this sector.

MEDICAL / ORTHOPAEDICS

Yarns in polyamide and polyester, in package dyed or solution dyed, for different applications. Available in high stretch for high performance of the orthopaedic products.

New developments in antimicrobial solutions.

FILTRATION

Fibres and filaments for filtration - in woven fabrics, nonwovens and wounded type.

In different polymers (polyester, polypropylene), adapted filament count, antimony free polymers…

SPORTSWEAR

Engineered yarns in different polymers which maximise the technical properties of each. When combined with yarn effects provide comfort, lightness and high performance.

FASHION

Filament yarns with special effects, combinations, and thickness, that can combine technical properties with good hand and drape.

WORKWEAR

Yarns with specific properties for workwear applications.

High resistance, comfort through chemical resistant polymers, UV protection, antibacterial, …

CLEANING

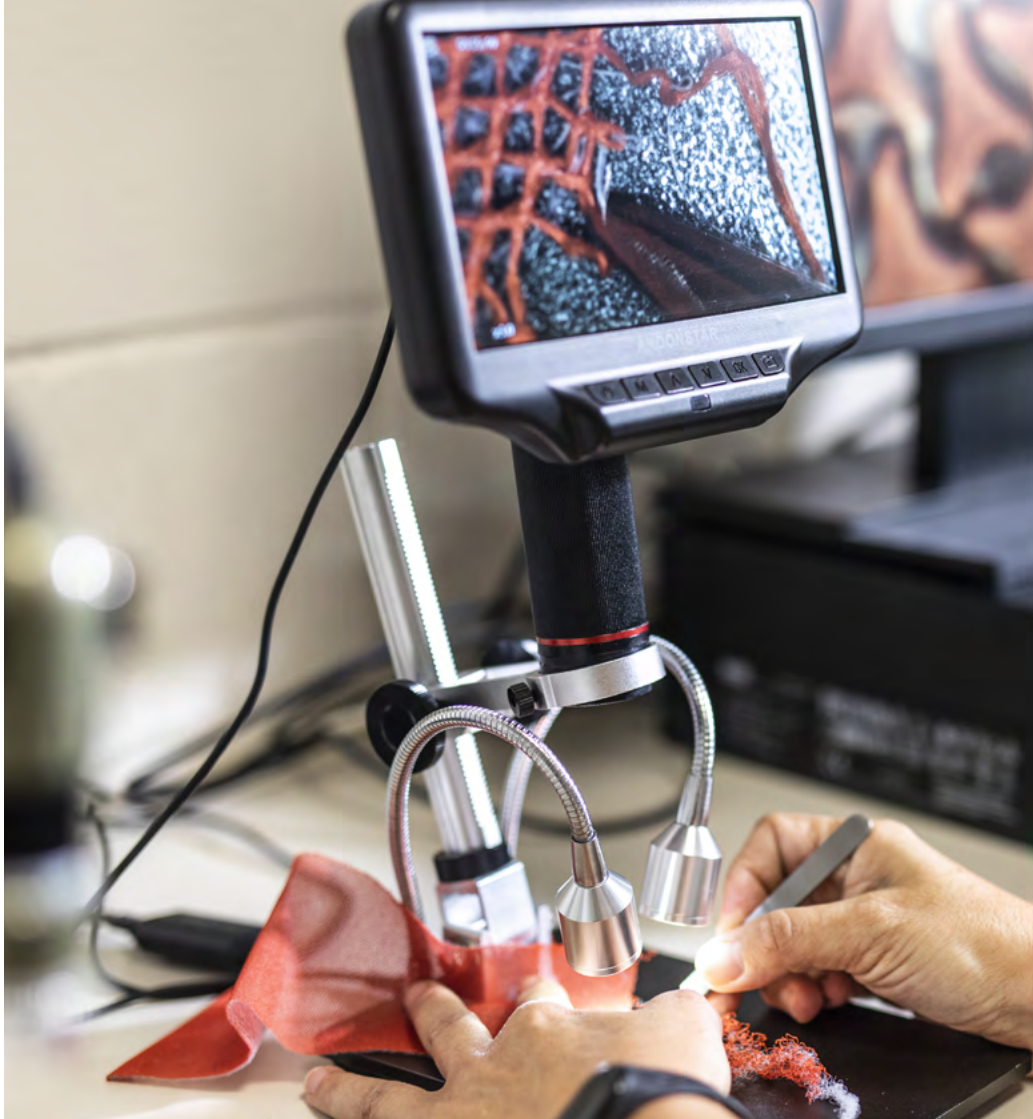
Wide range of yarns and fibres for cleaning applications offering high absorption and a brushing effect.

Also available in sustainable versions, in solution dyed colours and antimicrobial possibilities.

R&D

New trends require new solutions. Our R&D department is staffed by highly skilled specialists and guarantees both quality products and continuous innovative contributions to the textile market.

Thanks to our pilot plants, our team of experts are able to dedicate the time and resources needed to investigate and develop new solutions independently from the daily production process. The studies and trials carried out in these plants are then tested in our laboratories where the developed product is checked to ensure that it meets all initial specifications.



Locations

Production site

Office and warehouse

Locations

Production sites

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OUR CERTIFICATIONS: IATF 16949 · UNE-ISO 9001:2015 · GRS · Oeko-Tex® Standard 100 · Oeko-Tex® Standard 100 FR · PAS 2050