



# Seamless Garments

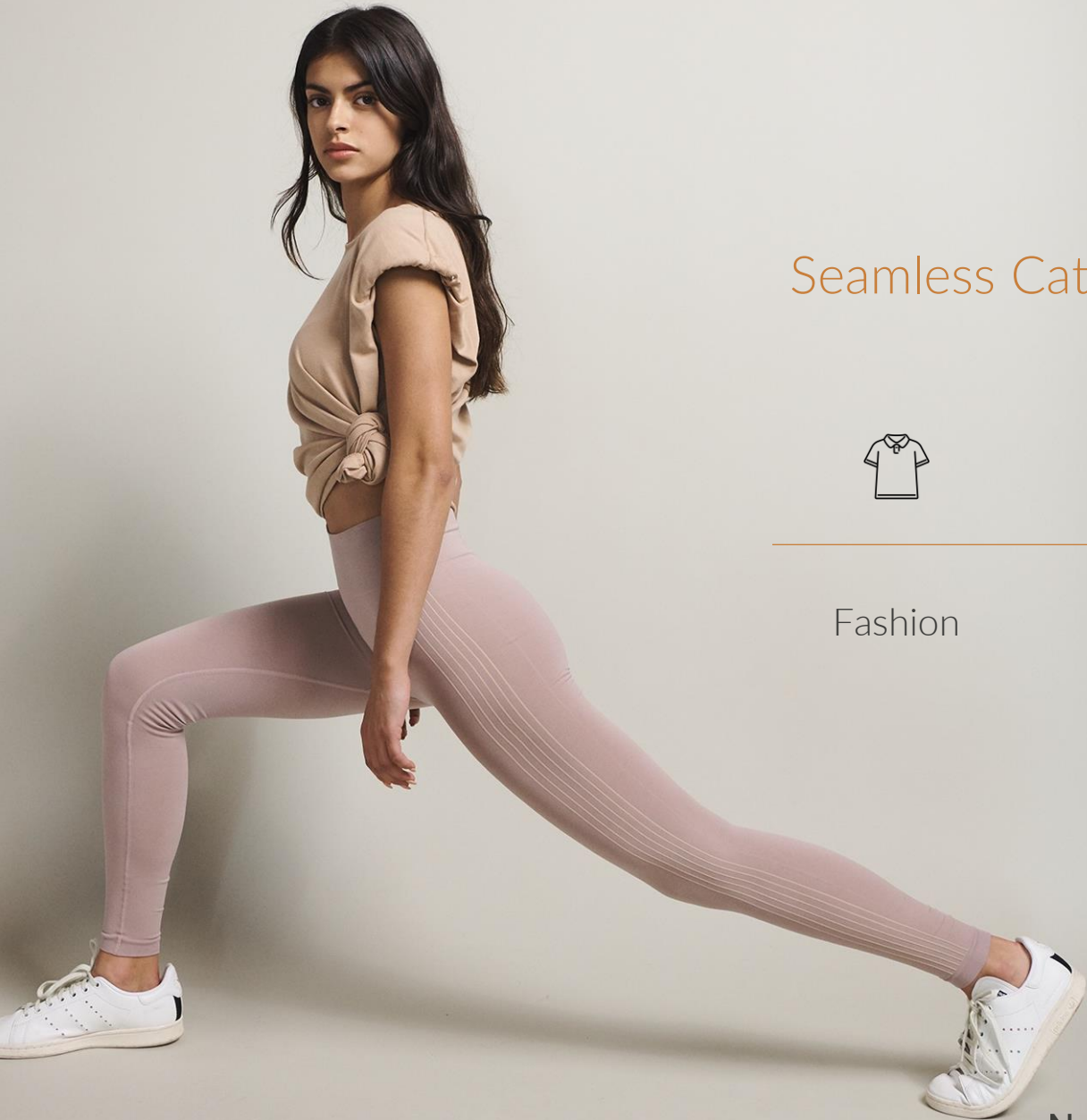
*Yarns & Fibers*

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At Nextil Group we specialize in state-of-the-art seamless technology garments with infinite design options for fiber combinations, colors, and knitting structures.

Our in-house R&D department has launched 3 new patents applications in the scopes of seamless with auxetic behavior, seamless garments with multidirectional compression and seamless garments incorporating Newtonian fluids.





## Seamless Categories



Fashion



Sports &  
Technical Sports



Athleisure &  
Loungewear



Underwear

# Seamless Garments

## Variety of Yarns & Fibers



### Natural Fibers

Bamboo (Heather, Blends), Cashmere, Cotton (Heather, Organic, Supima, Recycled, Blends), Hemp, Jute, Kapok and Linen Blends, Merino Wool (Organic, Blends), Modal, Micromodal, Silk



### Artificial Fibers

Cupro, Modal, Micromodal, Refibra, Seacell, Tencel (Lyocell), Viscose



### Synthetic Fibers

Polyamide (Recycled, Biodegradable Biobased, Blends), Polyester (Recycled, Cationic, Blends), Polypropilene, Acrylic, Lurex/Metalic Yarns, Fusible yarns, Elastane (Roica, Lycra, Creora, etc)



### Technical Fibers

Cocona (37,5), Coolmax (Coolmax Fresh, Coolmax ECOMADE, ECOMADE Textile Waste, Thermolite All Seasons), Direlease, Brrr°, Cordura, Dyneema, Twaron, Seacell, Novarel Q10, Hyaluron, BeCool



## Why Seamless?

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- **Maximum comfort and ergonomics**, provided by unlimited fiber options and their blends, functionalization of fibers and meshes, and shaping effects.
- Infinite **design options** for coloured jacquard artworks and all-over, logo placement, and (shaping) structure combinations.
- Highly **sustainable** production process and fiber innovations.



Seamless Garments

Natural Fibers

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# Seamless Garments

## Natural Fibers

### *Bamboo*

Yarns made from Bamboo natural fibers.

### *Bamboo Heather*

Pre-dyes yarns made from bamboo fibers to give a mixed color effect.

### *Hemp*

Natural fiber delivered from a plant in the cannabis family.

### *Modal*

Fiber made from beech tree cellulose, a form of rayon that is slightly more durable.

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### *Cotton*

Mostly widely produced natural fiber on the planet, a seed-hair fiber that is mainly made from cellulose.

### *Cotton Heather*

Created by blending different colored cotton fibers into one yarn for a visual aspect.

### *Micro-modal*

Like usual modal but with a finer construction, this soft fiber comes from beech tree cellulose.

### *Cashmere*

Natural fiber obtained from cashmere goats, pashmina goats and some other breeds. It provides great breathability and incredible warmth and comfort.



Seamless Garments

Artificial Fibers



# Seamless Garments

## Semi-Synthetic Fibers

### Viscose

A regenerated manufactured fiber, made from cellulose, obtained by the viscose process. It is a very versatile fiber, highly absorbent and soft.

### Cupro

Also, a regenerated cellulose fiber, made from cotton waste. The linter (tiny silky cotton fibers) is dissolved into a cuprammonium solution, resulting in a silky fabric, which drapes very well.

### Tencel (Lyocell)

TENCEL™ Lyocell fibers are extracted from sustainably grown wood using a unique closed loop system which recovers and reuses the solvents used, minimizing the environmental impact of production. Unique physical properties lead to their high tenacity profile, efficient moisture management and gentleness to skin.

### Refibra

Refibra technology involves upcycling cotton scraps, which are transformed into cotton pulp. Later, it is added to wool pulp, and the combined raw material is transformed to produce new virgin TENCEL Lyocell fibers.

Seamless Garments

Synthetic Fibers



# Seamless Garments

## Synthetic Fibers

### *Polyamide*

Regular, recycled pre-consumer, recycled post-consumer made from tires, biodegradable made from plants, bio-based, etc.

### *Polyester*

Regular, recycled pre-consumer, recycled post-consumer made from plastic bottles, cationic polyester, cationic recycled polyester, etc.

### *Elastane*

Regular or recycled synthetic fiber made from a polymer that provides elasticity to the garment.

### *Metallic Yarns*

Metallic yarn like Lurex to give the final garment a shiny look.

# Seamless Garments

## *Sustainable Synthetic Fibers*

### *Q-Nova*

Q-NOVA® is a nylon fiber obtained from environmentally friendly raw materials, made from waste materials coming from the company's production cycle. This fiber is reducing the use of crude oil for the production of the polymer.

### *Econyl*

ECONYL® regenerated infinitely recyclable nylon is made from waste such as fishing nets from the oceans and aquaculture, fabric scraps from mills and carpets destined for landfill.

### *Seaqual*

SEAQUAL® is dedicated to upcycling plastic marine litter into a wide range of high quality plastic waste retrieved from oceans, rivers and beaches is collected, cleaned, sorted, recycled and returned to industry.

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### *Evo*

EVO® by Fulgar is a yarn made from castor oil, deriving from the castor plant that grows spontaneously on poor arid soil and is not edible. A renewable resource that does require minimum amounts of water.

### *Naia*

Made with sustainably sourced wood, Eastman Naia® cellulosic yarn brings the richness of nature to comfortable and effortlessly luxurious fabrics.

### *Meryl*

Meryl® Recycled yarn is made from regenerated raw materials, obtained from post industrial production and other textiles materials used in the automotive sector. Meryl® Recycled can be produced from 50% up to 100% recycled raw materials.

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Technical Fibers



# Seamless Garments

## Technical Fibers 1/3

### Dry-Release

The advanced dryrelease® technology utilizes synthetic and natural fibers to accelerate the water release rate of fabrics, pushing water and perspiration to the outside of the garment.

### Cordura

Providing durability and proven performance, lightweight fabrics that keep you cool and comfortable. Heavy-duty fabrics entrusted to protect military servicemen and servicewomen.

### Cocona (37.5)

Patented 37.5® Technology helps your body naturally thermoregulate. Powered materials and fabrics that keep you cool when it's hot and warm when it's cold.

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### Thermo-cool

The THERMOCOOL® technology provides year-round thermoregulation and comfort. The yarns contain a unique hybrid fiber mix that allows garments to smartly adapt to the body temperature.

### Brrr° (Polyamide)

Provides an immediate and continuous cooling effect, moves moisture away for nonstop comfort and delivers a fresh and crisp experience.

### Coolmax

The COOLMAX® brand is a family of polyester fibers that are designed to help you beat the heat. This cooling technology creates clothing with permanent moisture-wicking performance.

# Seamless Garments

## Technical Fibers 2/3

### Coolmax Eco

COOLMAX® EcoMade technology provides reliable cooling moisture-wicking performance, made from 100% recycled resources. This polyester fiber can be made from 100% textile waste or recycled PET bottles.

### Dynalen

The "intelligent" fiber DYNALEN®, a barrier to coronavirus and bacteria, has proven potential in the service of health protection for sustainable hygiene. This unique technical fiber is made from a mixture of polymer materials and silver ions.

### Twaron

Twaron® filament yarn can be used in a very wide range of applications, including ballistic-protection products, composites, cut-protection products, elastomer reinforcements, heat-protection products and more.

### Dyneema

Dyneema® fiber is 15x stronger than steel at the same weight. With its extraordinary strength, the fiber excels in cut and abrasion resistance and has a high resistance to chemicals and UV. The fiber is so light that it floats on water and has a very high modulus.

### Seacell

SeaCell™ is a cellulose fiber that contains unaltered seaweed with an activating factor to maintain the skin fresh with breathability and smoothness. A high level of antioxidants creates an immune cell system, neutralizing free radicals that are causing damage to the skin.

### Hyaluron

Hyaluronic acid is one of the most powerful anti-aging agents for the skin. This fiber enhances the natural production of hyaluronic acid on our skin and contributes to the skin regeneration. It keeps the skin firm and hydrated and protected from free radicals.



# Seamless Garments

*Technical Fibers 3/3*

## *Becool*

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This technology transports moisture away from the body.

## *Flame Retardant*

It enhances the reaction to fire in some fibers, reducing ignitability and consequent spread of flame slows down the development of fire.

## *Antistatic*

A solution for controlling areas that are highly sensitive to charge changes. Can be applied on any surface to dissolve static.



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