

# Sioen Weaving Activities

2022



**SIOEN**

# Feel the Passioen

## Colofon

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# Weaving activities

**S**ioen Weaving develops, weaves and markets woven fabrics made of monofilaments, multi-filaments or spun fibers. We use raw materials such as our in house made High Tenacity Polyester yarns, other polyester yarns, polyamide, PLA, para-aramid, meta-aramid, polypropylene, polyethylene and many other high performance yarns.



## Technology

Sioen Weaving has four weaving mills with own beaming and weaving. Flexible weaving machines equipped with the latest technology can be used for weaving lightweight to heavy fabrics up till 4 meter width. After weaving, the fabrics can be finished by singeing, coating, slitting and other techniques.

All fabrics are inspected on our inspection tables before leaving our factories.

## Part of Sioen

Sioen Weaving is part of Sioen Industries that can rely on more than 110 years of textile experience. Since 1907, the company has its headquarters in Belgium, with production and sales plants all over the world. Sioen focusses on high quality technical textiles and has the entire production process from yarn, over woven and coated fabric, to chemicals and finishing in house. In its domain, Sioen is world market leader, is active in more than 110 countries, employs over 5 500 persons in +50 plants in +20 countries.

# Recycling

**S**ioen Weaving cares about our nature and recycles all polyester production waste, such as hard lumps and yarns from the spinning-mill, edges and fabrics from the weaving mills and uncoated fabric leftovers from the coating division. As a result the spinning-weaving-coating process is virtually waste-free, resulting in a cleaner environment.



[csr.sioen.com](https://csr.sioen.com)  
QR code: Read more about waste related actions on our CSR website link



# R&D and innovation

**S**ioen industries has a focus on knowledge, innovation and creativity: on new materials, new production processes, new services, new niches, new markets, new business models and any other new requirements.

## Sioen weaving

At Sioen Weaving, specialists are working continuously on process- and product optimization and on the development of new woven fabric constructions.

Sioen Weaving is continuously in contact with customers, suppliers, universities and with the other R&D colleagues of Sioen Industries. In total, a group of 250 developers can help us to find a dedicated solution for your application(s).

Our labs are equipped with the latest testing equipment such as instruments for tear and breaking strength, flame retardancy, thermal radiation, chemical resistance, bullet and knife impact, water column, color fastness, ageing, ... Thanks to in-house testing equipment we can monitor our quality at any time and guarantee finished products according to your requirements.



Read all about our R&D  
[sioen.com/en/rd](https://sioen.com/en/rd)

## Continuous investment



**220**

Employees in R&D



**2,5%**

On turnover per year in R&D

# Food approved

One of our weaving mills is approved to weave fabrics which are compliant to the FSSC 22000 standard. Very strict production precautions have to be followed and critical processes are done in a “clean room” environment.

## FSSC 22000

The FSSC 22000 Food Safety System Certification provides a framework for effectively managing organization’s food safety responsibilities. FSSC 22000 is fully recognized by the Global Food Safety Initiative (GFSI) and is based on existing ISO Standards. It demonstrates that our company has a robust Food Safety Management System in place that meets the requirements of our customers and consumers.







# Overview of our weaving qualities

We use raw materials such as our in house made High Tenacity Polyester yarns, other polyester yarns, polyamide, PLA, para-aramid, meta-aramid, polypropylene, polyethylene and many others.

## Properties

Yarn counts	From 20dTex till 6000 dTex, twisted and untwisted				
Synthetic yarns	PET	PA	Para-aramid	Meta-aramid	Steelcord
Type of yarn	Monofilament	Multifilament	Spun yarns		
Special yarns	Bio-degradable yarns such as PLA (PolyLactic Acid)	Adhesion activated yarns	Flame retardant yarns	High performance yarns	

# Applications / Industries



## Automotive

- Airbag
- Ski-bag



## Marine

- Nautic applications such as sailcloth
- Aquaculture



## 3D/Multilayer fabrics

- Agriculture applications



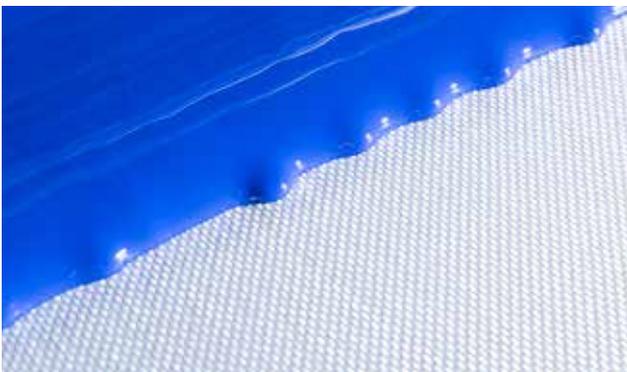
## Conveyor belt

- Conductive light weight fabrics
- Heavy duty



## Industrial

- Wood industry (press cloth)



## Coating

- Fabrics that are coated with (an) extra layer(s) such as PVC, silicone, acrylic and other polymers.



## Protective & military

- Aramid fabrics / panels
- Steel fabrics



## Food & beverage industry

- Teabags in synthetic fabrics PA and PET
- Teabags in biodegradable fabrics made of non-genetic modified PLA (Polylactic Acid)
- Fabrics for herbs&spices
- Fabrics for contact with food/halal packing



## Filtration & scrims

- Fabrics for filtration of air/liquids/solids
- Filters for paint (spray)
- Electronics
- Screen printing

# Our technologies

**S**ioen Weaving has four weaving mills equipped with own beaming and weaving. Flexible weaving machines equipped with the latest technology can be used for weaving light-weight to heavy fabrics up till 4 meter width.

After weaving, the fabrics can be finished by senging, coating, slitting and other techniques. All fabrics are inspected on our inspection tables before leaving our factories.

In addition, Sioen Weaving can benefit from the accumulated know how on yarns by Sioen Spinning. Here, the group extrudes its own polyester high tenacity yarns.



## New beaming

Sioen continuously invests in people and equipment, making all its production plants state-of-the-art. We recently invested in a new beaming system. Allowing us to beam even faster and better as we did before

## Multiaxial weaving

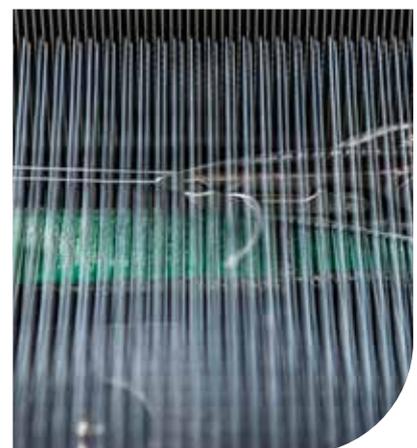
We've engineered a multiaxial weaving unit, using the principle of the insertion and interlacement of yarns in bias directions, resulting in for high performance composites.

## Food approved

Sioen obtained the prestigious **FSSC 22000 Food Safety System Certification**. This provides a framework for effectively managing organization's food safety responsibilities

## Sioen expansion

Sioen weaving serves a large range of technical markets, where quality fabrics are deployed. With our weaving capacity of over 300 looms and plants in Europe and in the USA, we are extremely flexible in all fields of our business.



# Contact

## Production

Zoning Industriel du Blanc Ballot  
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7700 Mouscron  
Belgium

Driehoekstraat 2/A  
9451 Kerksken - Haaltert  
Belgium

**Want to know more  
about our products?**

[sioenweaving.com](https://sioenweaving.com)



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