

WE ARE NOOSA™

Certified



Corporation

TEXTILE WASTE AFFECTS ALL OF US



92 M tons
of textile waste is produced
per annum globally.



<1%
of textile waste is recycled
into new fiber for clothing.



70% fossil-based
350M of oil are used for the
production of plastic-based
fibres for textiles annually.



Carbon footprint
The textile industry
generates roughly 1.2 billion
tonnes of CO₂ eq.,
equivalent to 10% of global
GHG emissions
(UNFCCC, 2018).

CHALLENGES AND OPPORTUNITIES FOR YOUR ORGANIZATION



Finding (bio-based) **alternatives to petroleum-based resources**

without compromising on quality or performance



Waste prevention, reduction and valorization

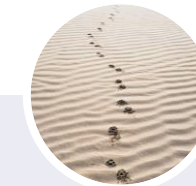


Growing demand for **more sustainable products**



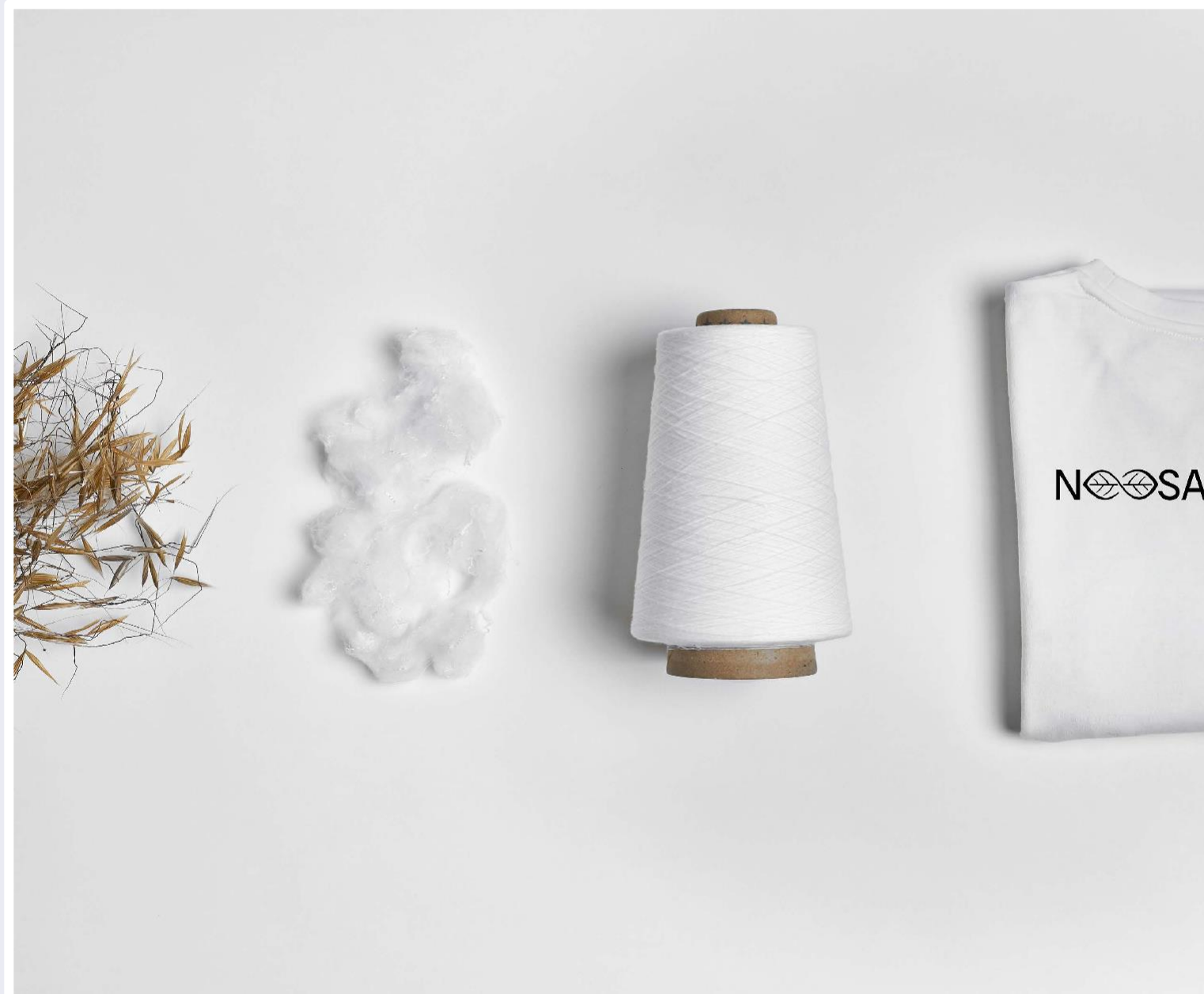
Changing **legal framework**: will you remain compliant?

Ecodesign for sustainable products regulation, Green Claims Directive, Waste Framework Directive, ...



Increased focus on **transparency and traceability**

WE ARE NOOSA™



**A bio-renewable textile fiber,
endlessly recyclable**

- ✓ Optimal **performance and comfort**
- ✓ **Lowest environmental footprint**
among traditional fibers
- ✓ NOOCYCLE™: A patented **chemical recycling process**

OUR 100% RECYCLABLE PRODUCTS



STAPLE FIBER

Product Range
1.33 to 4 dtex



SPUN YARN

Product Range
Ne5 to Ne100

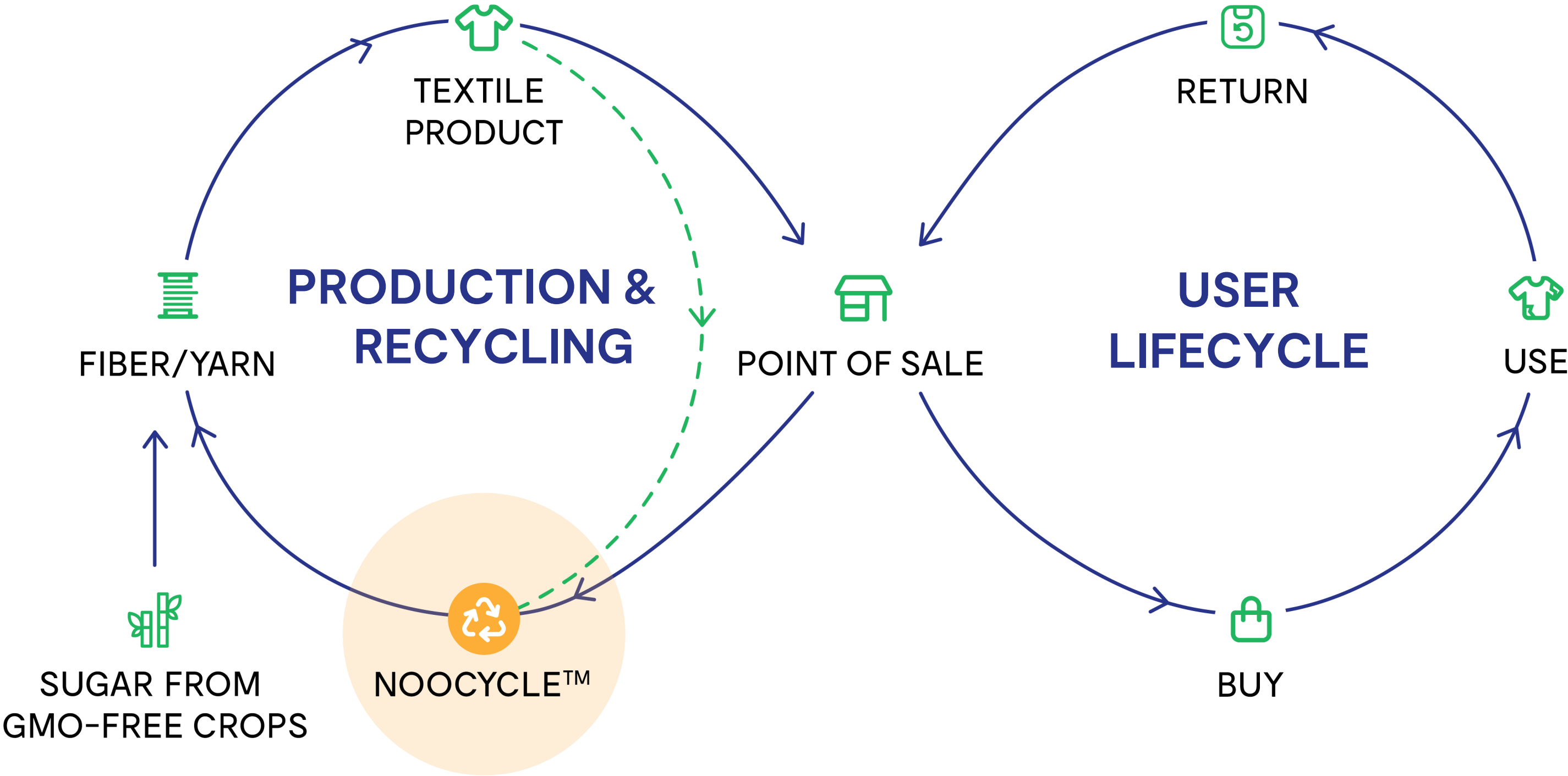


FILAMENT YARN

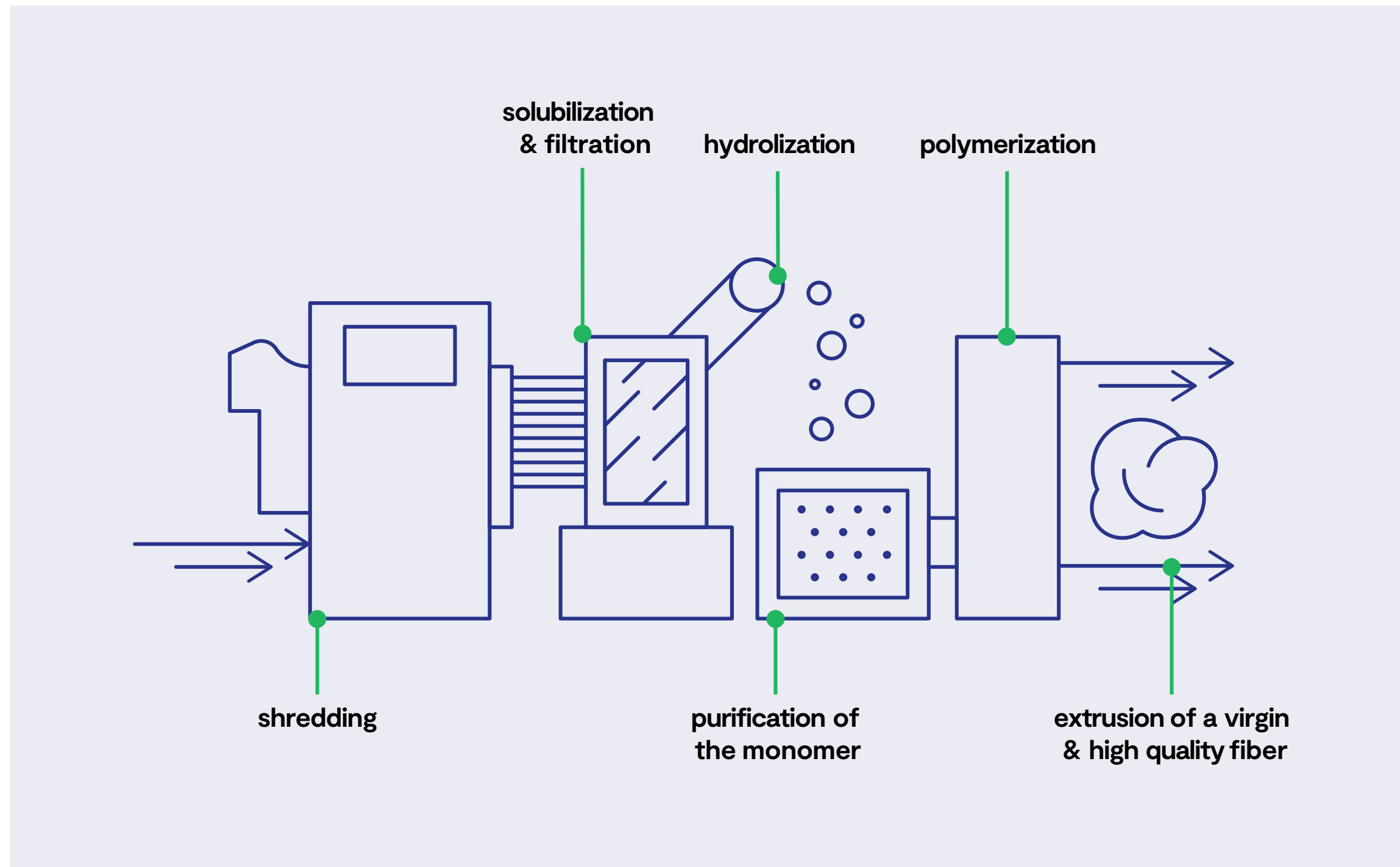
Product Range
44 to 167 dtex

HOW WE MAKE NOOSA™ FIBERS ENDLESSLY RECYCLABLE

Enabling circular economy materials



NOOCYCLE™: A PATENTED CHEMICAL RECYCLING PROCESS



100% recyclable
without any deterioration



Separation of any component
from our fiber (additives, fiber blends, dyes, ...)

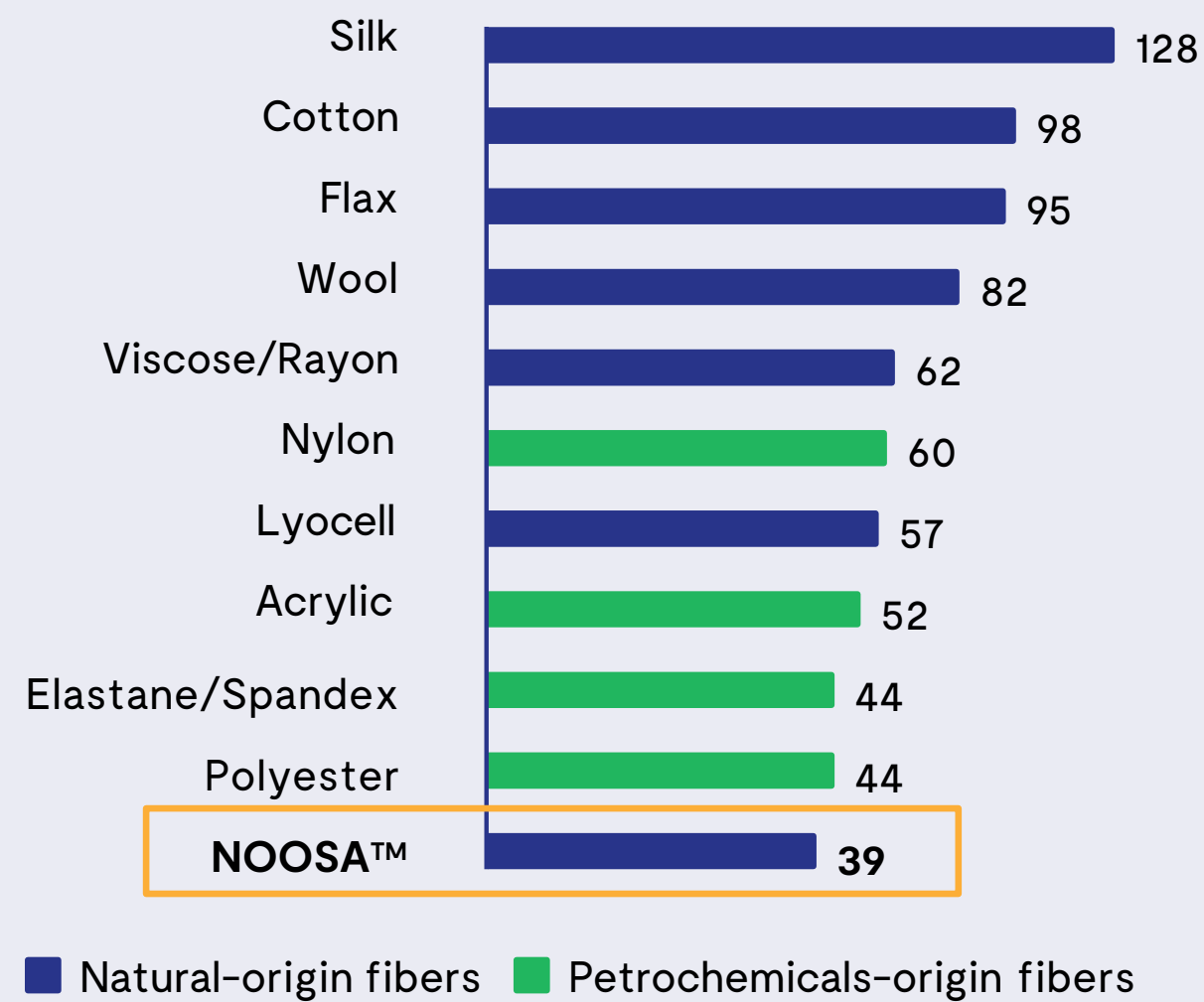


FDA approved
all solvents we use are FDA approved

THE LOWEST ENVIRONMENTAL IMPACT OF ALL FIBERS



Raw materials environmental impact ranking by sourced kg*



100%
recyclable

100%
bio-based

50%
lower environmental impact
compared to conventional cotton



*based on Higg index for fabrics made in different raw material, Higg MSI 2019

*Cradle-to-gate material scoring tool (from raw material source to finishing)

OPTIMAL PERFORMANCE AND COMFORT



UV stability

It shows great resistance to ageing and UV exposure, making it ideal for outdoor applications.



Low flammability

It is flame retardant and more resistant compared to PET or cotton.*



Increased breathability

It allows body moisture and vapors to be released to ensure high performance and avoid discomfort.



Low odor retention

Thanks to its breathability and low moisture regain, it doesn't retain body's natural humidity and odor.



Bacteriostatic

It prevents from bacterial growth, ensuring a better hygiene on a daily basis.



Hypoallergenic

It's compatible and ideal for people with sensitive skin.

Source: Ramot et al., (2016). Biocompatibility and safety of PLA and its copolymers; Anderson, J. (2012). Biodegradation and biocompatibility of PLA and PLGA microspheres. Avinc A, Akbar K: Overview of poly (lactic acid) fibres. Part I: production, properties, performance, environmental impact, and end-use applications of poly (lactic acid) fibres. Fiber Chemistry 2009,41(6):391-401.

NOOSA™ APPLICATIONS



APPAREL



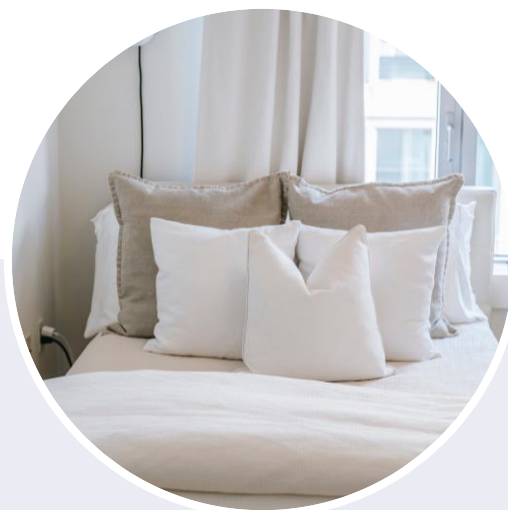
ACTIVewear



UNDERWEAR & LOUNGEWEAR



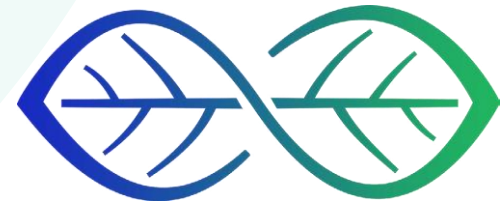
HOME & UPHOLSTERY



BEDDING



WORKWEAR



CONTACT US

hello@noosafiber.com

www.noosafiber.com

