



Corizon
by Terrot

terrot.de/corizon



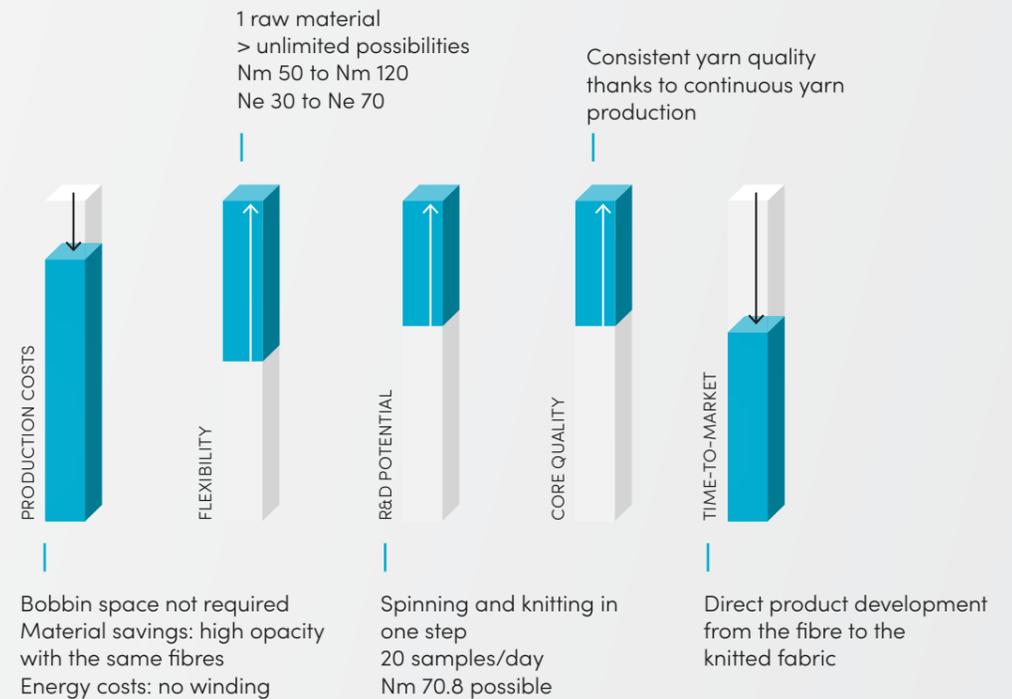
EXPLORE NEW TEXTILE HORIZONS

We are making future fabrics available today. With Corizon®, we offer a groundbreaking technology for reaching new horizons in our industry.

All the sectors of our industry have the opportunity to explore new roads to success if we pay careful attention to the world evolving around us. Well-informed modern consumers in markets all over the globe are looking for textile goods that will improve their daily lives. This is not just about fashion in the sense of couture. We are talking about new demands for uniqueness, boundary pushing and the inspiring exploration of functionalities. To meet these needs, fabric characteristics have to conquer new dimensions.

We provide a whole new spectrum of textile quality that will enhance your products across a variety of dimensions: the highest quality, unbelievable new degrees of softness, maximum strength and protection, high performance in durability or a core yarn that can create pure magic. All these possibilities are powered by a highly efficient and flexible production process that reflects the core values we believe in: the highest quality at a reasonable cost.

Whether you are looking for inspiration as a designer or new options as a textile brand or you are focusing on developing a flexible and faster production process that will save you more than just time and space, we invite you to discover what you can create with Corizon®.

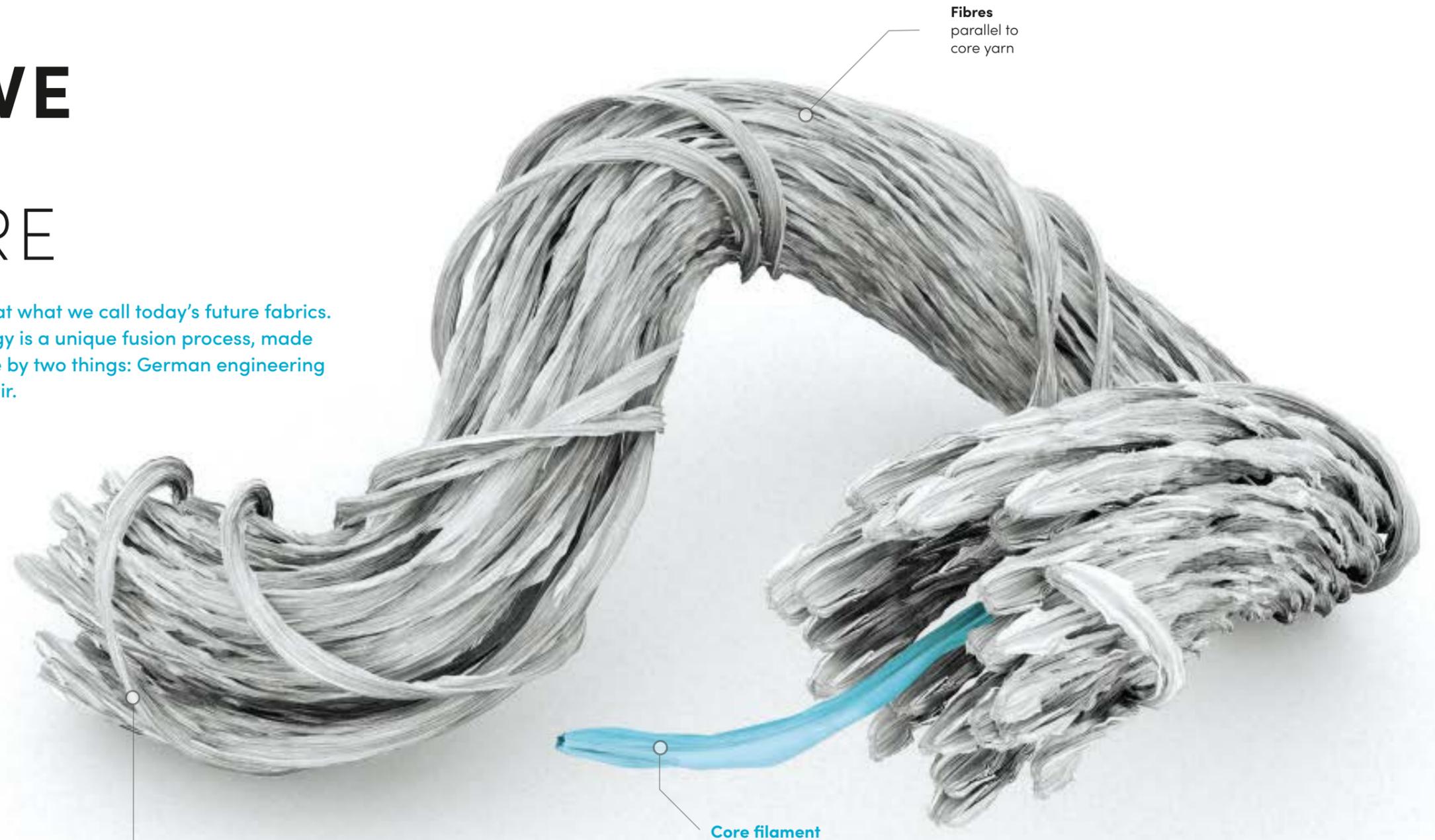
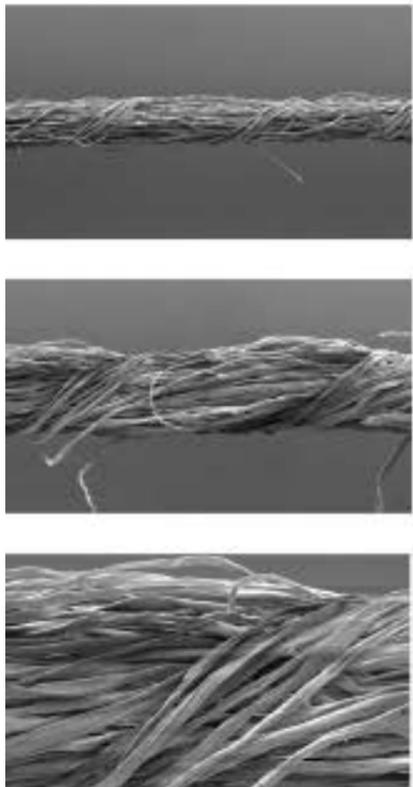


TEXTILE CHAMPIONS AT THE CORE

We have produced a technology that empowers textile manufacturers and designers to create fabrics with remarkable features such as soft touch, great brilliance and even the strength to protect. As a fabric producer, you benefit from the time, space and material savings generated by a highly efficient production process.

INNOVATIVE MATERIAL STRUCTURE

Take a closer look at what we call today's future fabrics. Corizon® technology is a unique fusion process, made possible in essence by two things: German engineering and the power of air.



Winding fibres
fibre ends embedded
in the fibre structure

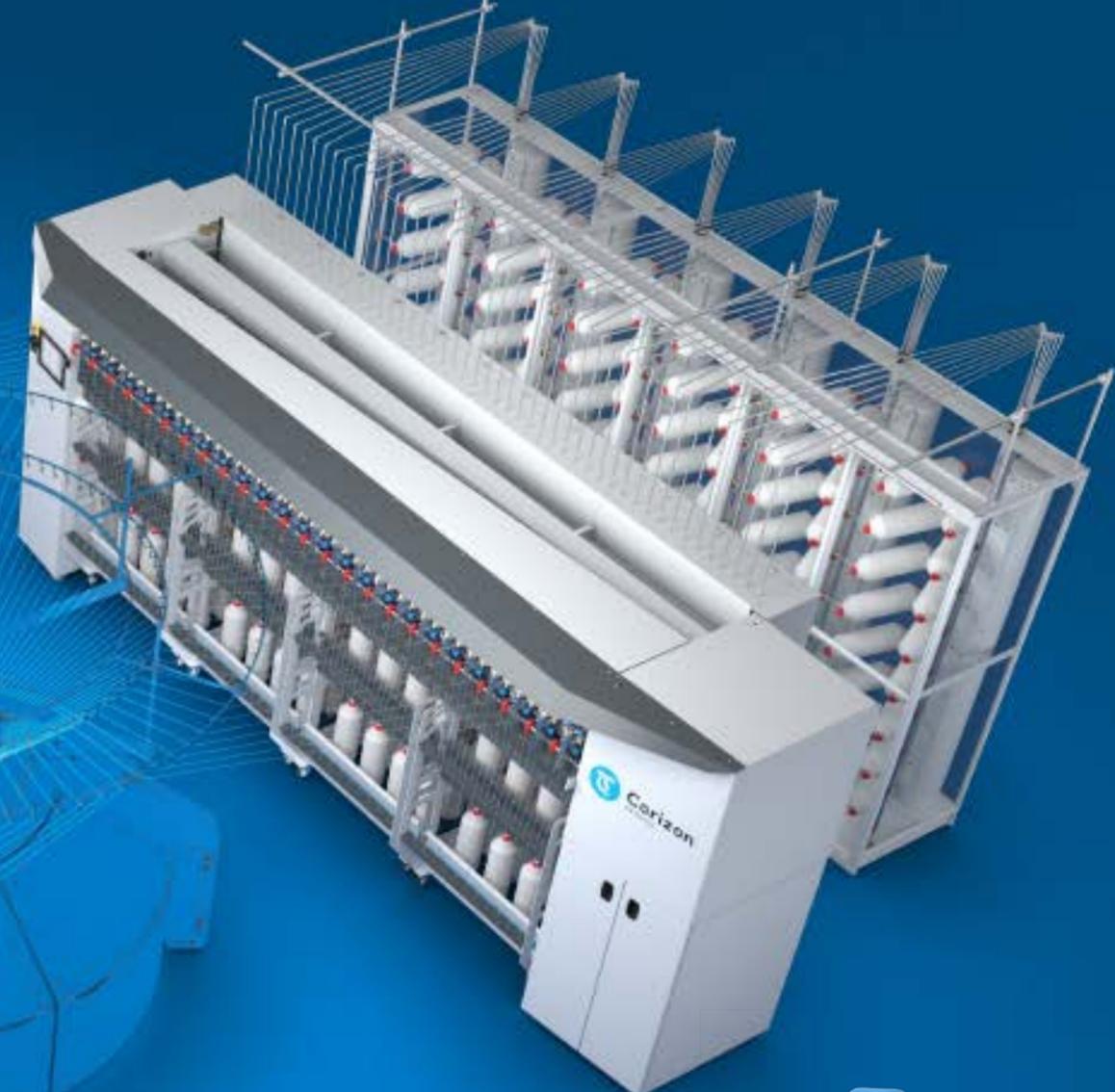
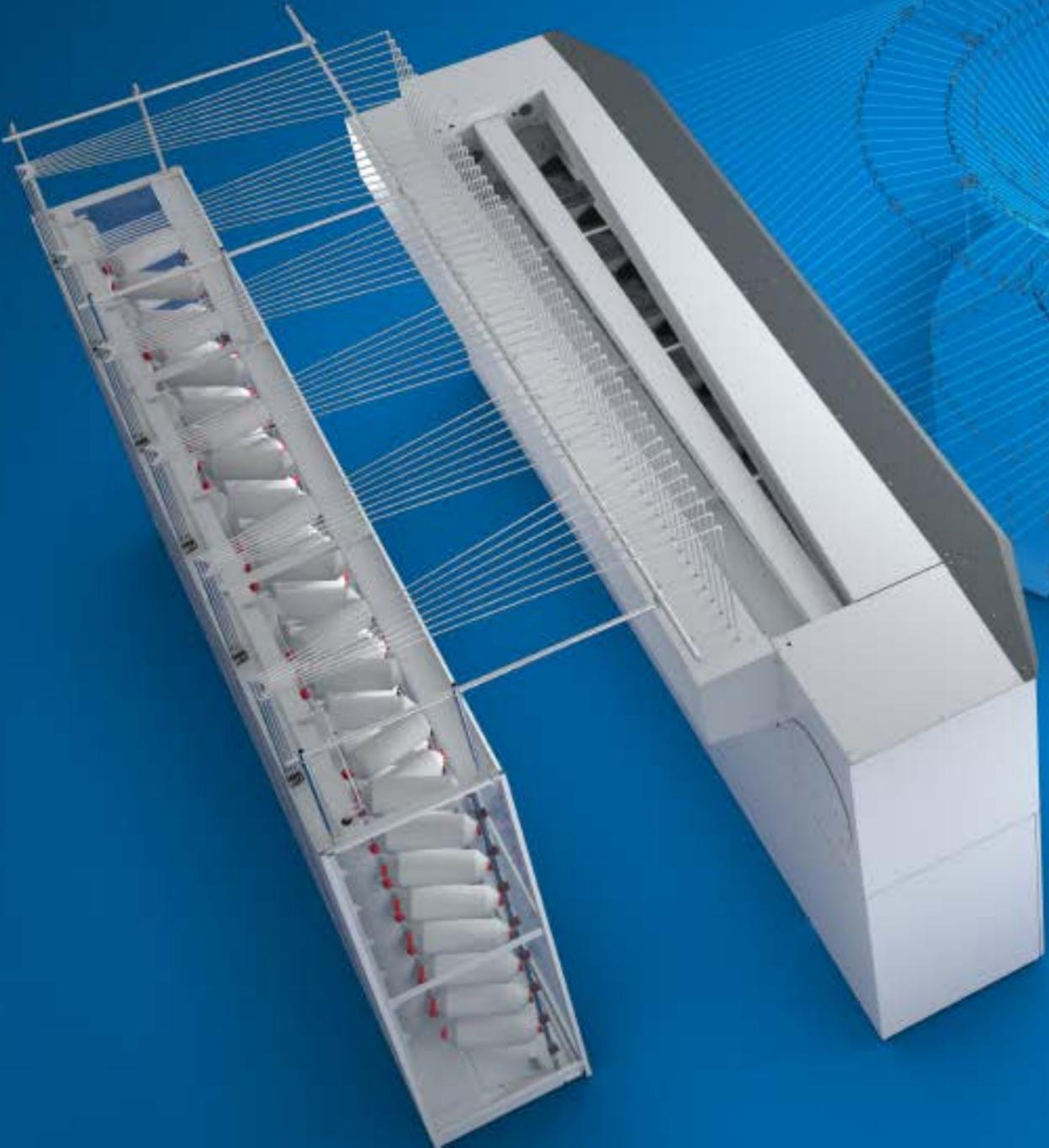
Core filament

Fibres
parallel to
core yarn

We have created a technology that combines the knowledge of spinning and knitting in one revolutionary process. With Corizon®, we generate a core yarn by combining a core filament that is surrounded by parallel fibres.

Individual fibres are wound around the outside like a corkscrew. This structure generates sufficient strength and reliability to transport the yarn from the Corizon® system to any circular knitting machine.

CORIZON®

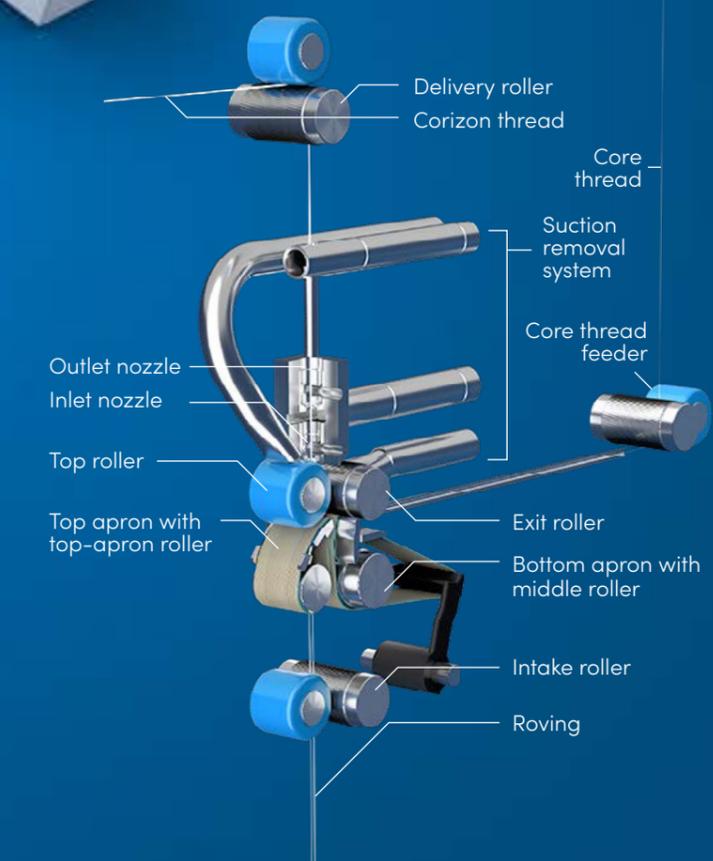


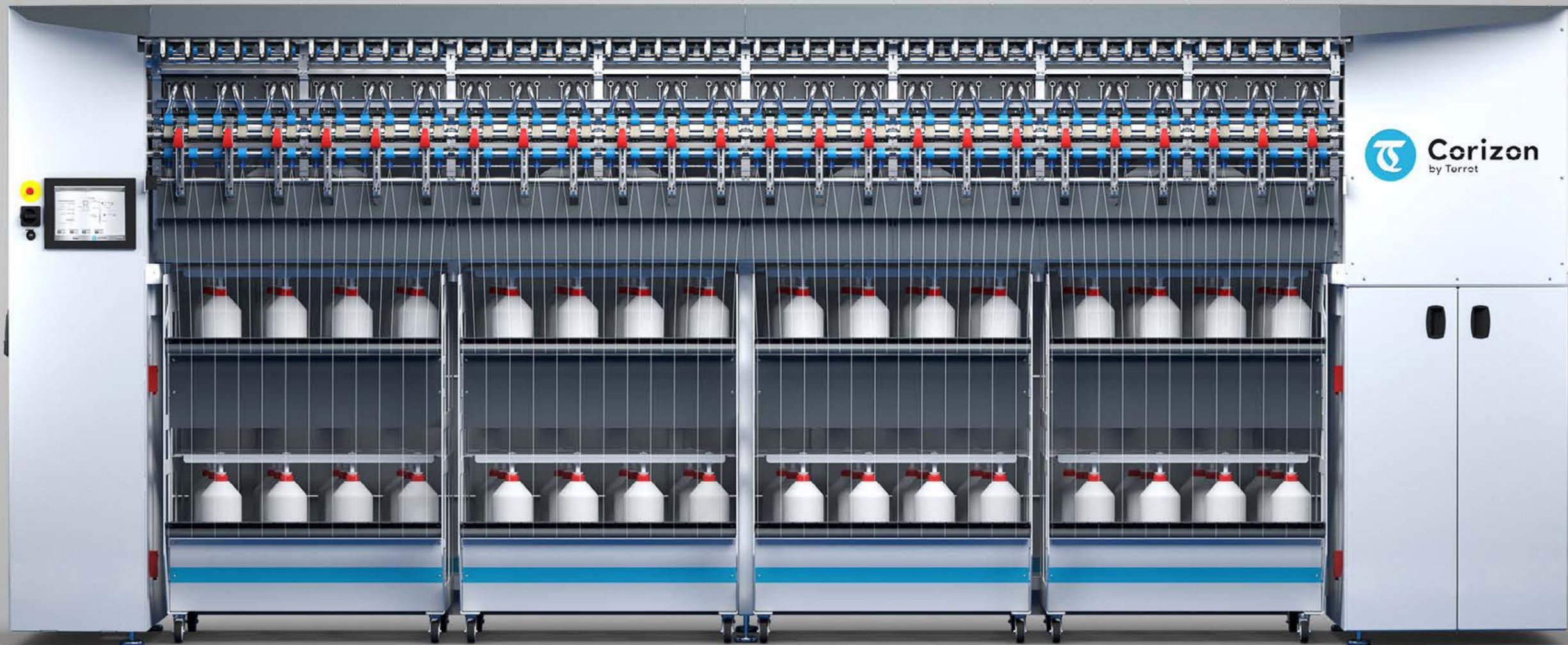
For any brand of knitting machine

Number of systems:
up to 120 in increments of 12

Positive yarn feed

Synchronous adjustment
of yarn count





CORIZON[®] DATA SHEET



MEDIA

- air pressure: minimum 4.0 bar
- air consumption: 18-29 l/min per spinning system
- air quality: classes 1-4
- power consumption: 8 kW
- temperature: 24°C to 32°C / 75.2°F to 89.6°F
- relative humidity: 35% to 50% adjustable



MACHINE SPECIFICATION

- 12 to 120 feeders
- modular design expandable in increments of 12
- fully electronic controls via touch panel
- integrated monitoring process
- integrated fluff removal
- circular knitting machine also operable in jog or hand-drive mode
- positive feeding device for solid and elastic* filaments
- bobbin diameter up to 180 mm, height up to 440 mm

*option



TYPES OF KNITTING MACHINES

- plain single-jersey machines
- fine-rib and 2/1 rib machines
- interlock machines
- any brand and diameters up to 120 feeders



PRODUCTION EFFICIENCY

- delivery speed up to 200 m/min
- yarn range: Nm 50 / Ne 30 – Nm 120 / Ne 70
- 1 raw material (1 roving count) for all yarn counts



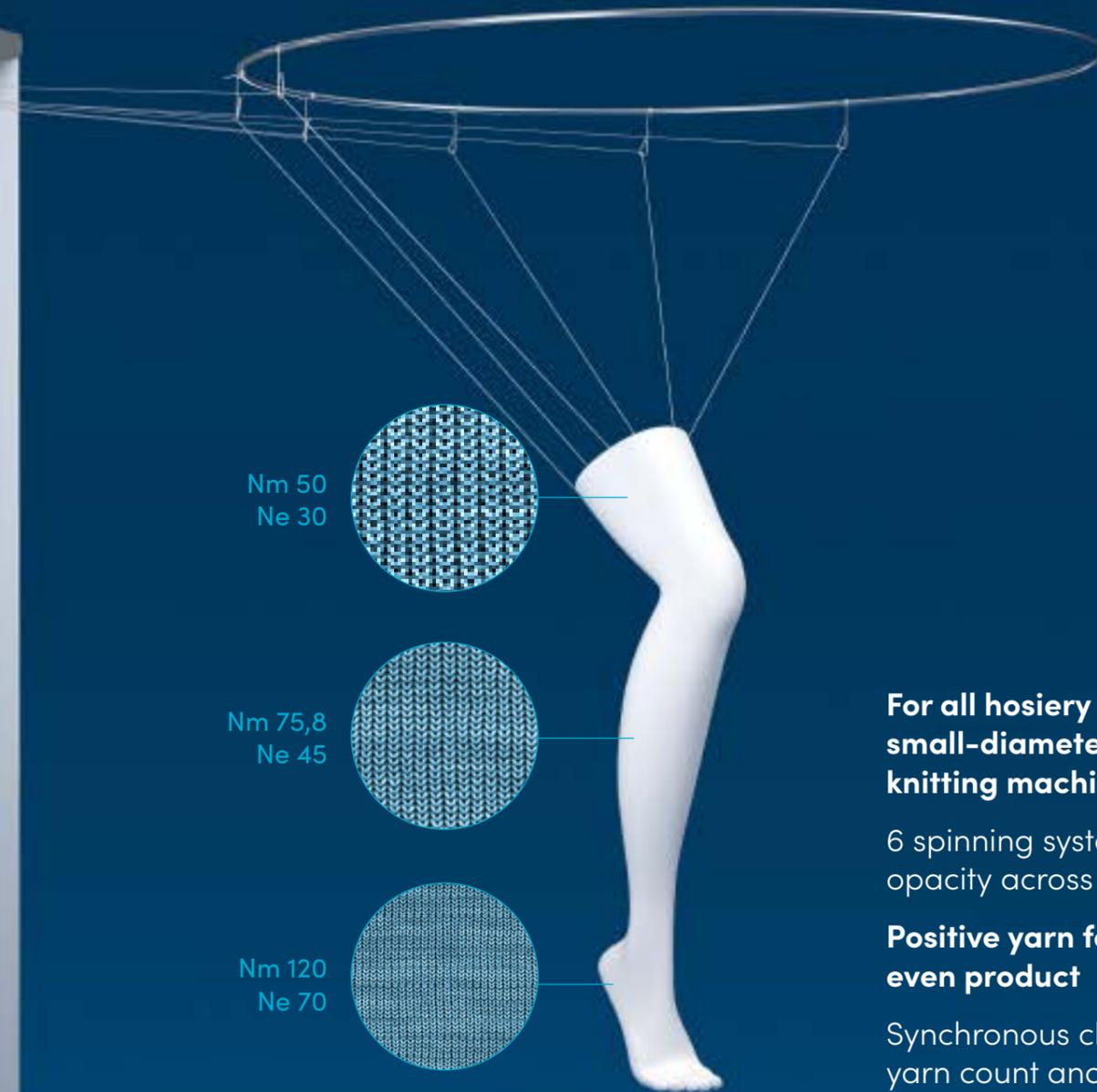
RAW MATERIAL SPECIFICATIONS

Roving

- natural, synthetics and blends
- staple fibres up to 40 mm
- cotton as combed fibre
- roving count from Nm 1.5

Filament

- continuous filament
- plain or textured
- solid & elastic 5-100 dtex



Nm 50
Ne 30

Nm 75,8
Ne 45

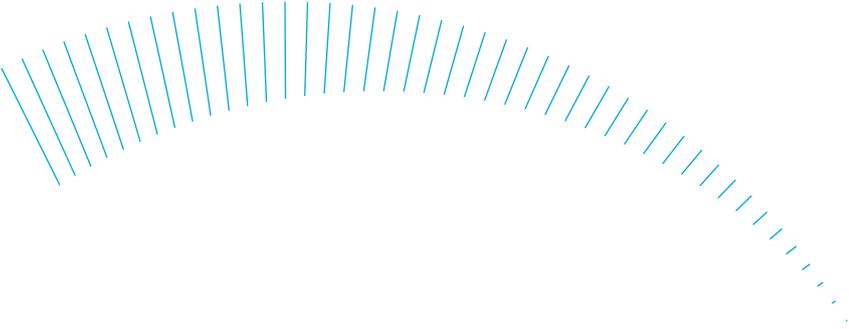
Nm 120
Ne 70

**For all hosiery and
small-diameter circular
knitting machines**

6 spinning systems, constant
opacity across the entire product

**Positive yarn feed, completely
even product**

Synchronous change of
yarn count and loop length
during ongoing operation



IMAGINE

We are ready to explore new textile horizons with you. Count on us as your partner who thinks ahead, anticipates your needs and offers tailored solutions with the best service.

Whatever your goals in creating innovative fabrics are, with Corizon® we at Terrot offer you not only a new technology but also an integrated concept for making future fabrics your business today. The Corizon® idea embodies an outstanding approach

to engineering. Whether you want to innovate an existing product or develop a whole new fabric or idea based on your requirements or your customers' needs – Corizon® offers a way to achieve it.

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