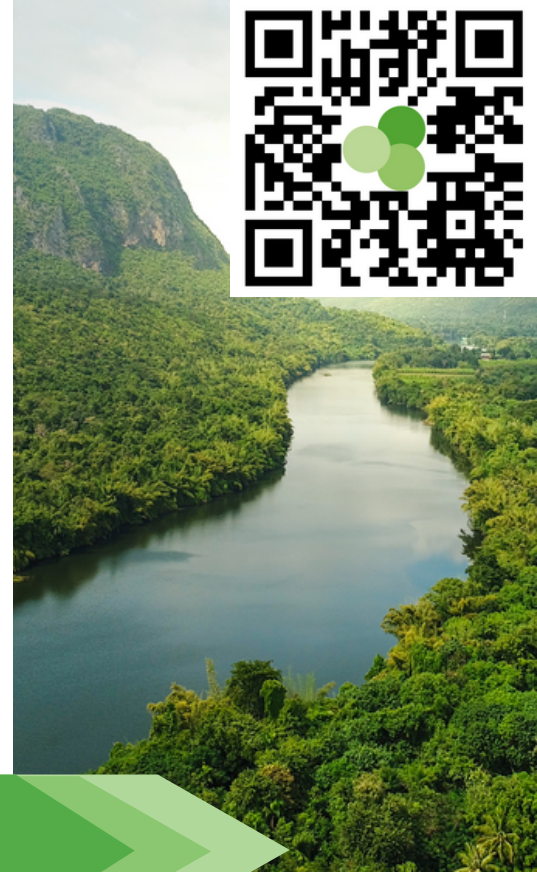




Choose a clean future

Alchemie novara

Novara™ digital textile finishing technology delivers sustainability with precision digital application of functional finishes to textiles.

**Novara™ is a non-contact technique, that utilises an array of digitally controlled nozzles to deliver precisely defined finishing to fabric.
Delivering coatings only where it is needed.**



**COST
REDUCTION**



**CHEMISTRY
SAVINGS**



**ENERGY
REDUCTION**

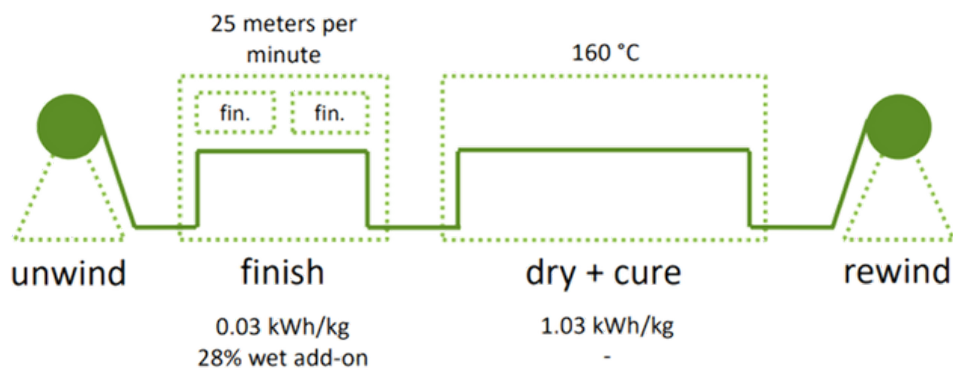
**Breakthrough
low energy,
low chemistry,
textile finishing**

The Novara™ digital finishing process can reduce energy consumption by up to 85% vs traditional padding processes. By delivering finishing chemistry at higher concentrations, precisely where needed, we have demonstrated that durable water repellent (DWR) finishes can be delivered to fabric substrates with:

- Up to 85% less energy.
- Up to 50% less chemistry than pad coating.

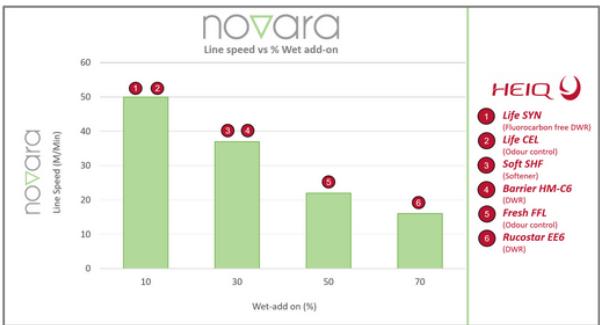
*When compared to data from pad coating.

Process



Technical Specification

Line speed	10-50 m/min*
Web width	1.4-1.8 m
Side application	Single-sided
Liquid flow rate	Up to 3 litres per minute
Finishing chemistries	Up to 50 cPoise, water based up to 50 °C
In-line drying	Infra-red
Fabric basis weight	50-500 gsm
Fibre types	Polyester, Nylon, Natural and Man-made Cellulosics, Wool & Blends
Fabric types	Woven, Non-woven, Knit
Dimensions	2.4 (L) x 4.25 (W) x 2.4 (H) m
Power requirements	380 - 430 V 3-phase 50/60 Hz 300 A Infra-red system (FLC) 100 A Novara system (FLC)



*line speed and chemistry requirements

Chemistry

Novara™ process delivers precisely defined finishes from the first to the last meter, spray technology enables a higher concentration of chemistry per kg.

We have demonstrated a wide range of finish functionalities:
WATERPROOF, STAIN RESISTANT, SELF-COOLING, FIRE-RETARDANT, METALLICS / VISUAL EFFECTS, ANTI-VIRAL, ANTI-BACTERIAL, ANTI-ODOUR & UV-PROTECTION.