

# adria2

Fully automated seamless hosiery production

[adria2.com](http://adria2.com)

Invest  
Northern  
Ireland 

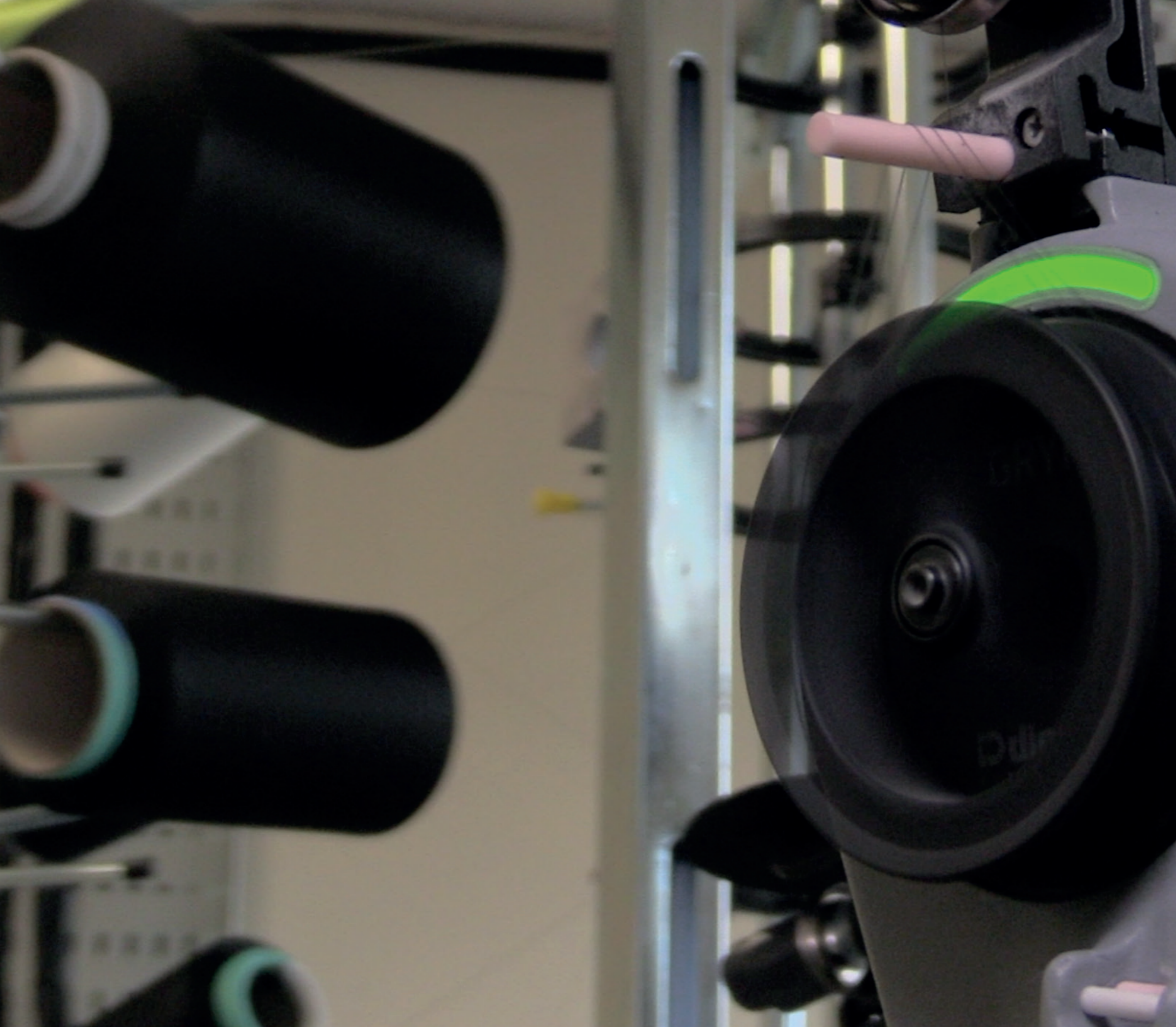


## Created from a blueprint of ideas.

Adria 2 has a formidable pedigree and from its inception has used the skills and knowledge of industry experts to devise this fully automated production unit.

Every conventional process has been studied and evaluated to create a new approach to hosiery knitting and processing.

The result is an automated line with minimal human intervention and a continuous process based on 'a batch of 1'.



Pigment dyed yarn has no loss of colour and after multiple washes the colour will not fade.

Key features:

- Core ingredient
- No loss of dye
- No shading
- No fading



Lycra<sup>®</sup> is made in Northern Ireland.

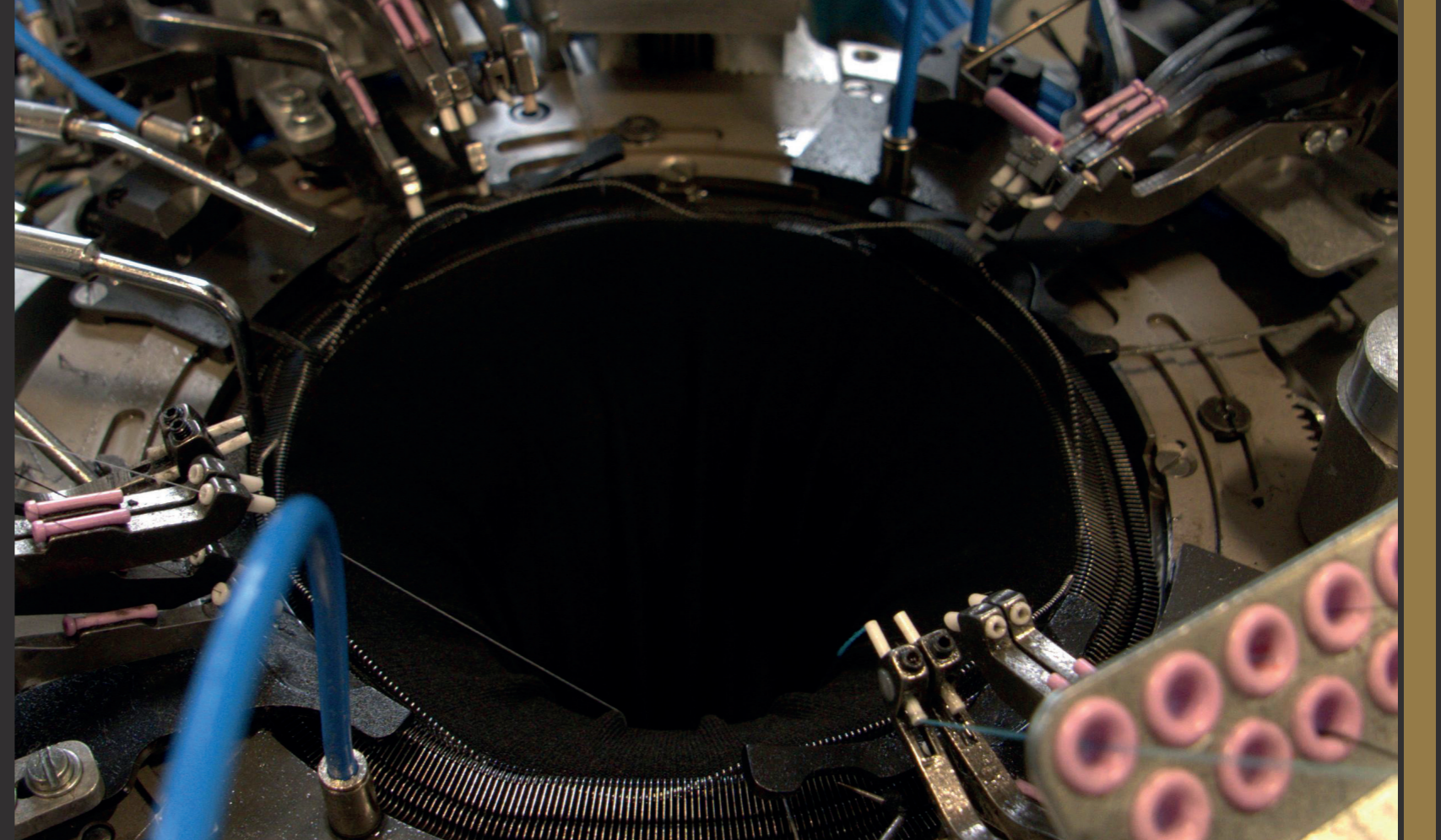
Key features:

- Best stretch & recovery
- Covered yarn (air mingled) not bare
- Comfort in wear
- Long lasting quality

Our Super microfibre filament count is made in 3D construction and will make for the best fitting product on the market. We have developed this yarn using Lycra<sup>®</sup> elastane for maximum comfort.

Key features:

- Soft
- Luxurious
- Silky finish



Seamless products are stronger, longer lasting and more comfortable. Seamless knitting is more innovative than traditional seamed products.

Key features:

- 41/2" diameter machine for optimum leg fit
- Seamless construction for comfort
- Carefully graduated knitting for shape



From knitting, the legs and bands are brought together through an automated collection point and then moved by robot to the sewing station.

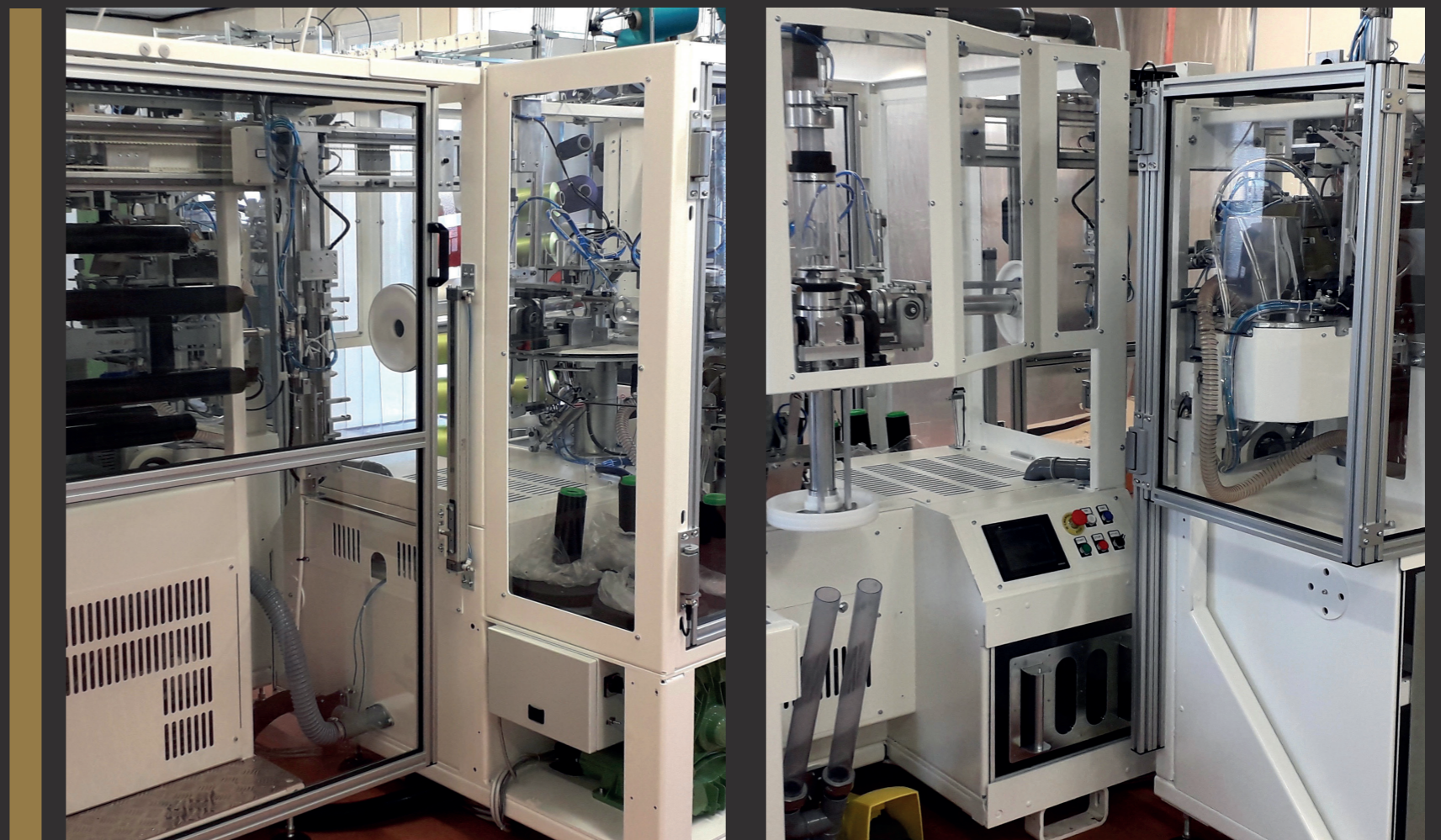
Key features:

- Continuous automated process
- Computerised pairing of components
- No human intervention

**Sewing is fully automated with new soft seam and curved toe.**  
The 'OPSmart' machine, developed by Santoni in Italy, enables the sewing of the band to the legs and the 'TCSmart', in-line with this enables automated seaming of the toe in an optimum comfort curved fashion.

Key features:

- Deep wide diameter band for total comfort
- No narrow tight waistband
- No uncomfortable seams
- No pressure marks
- Guaranteed ease of movement
- No risk of seams splitting



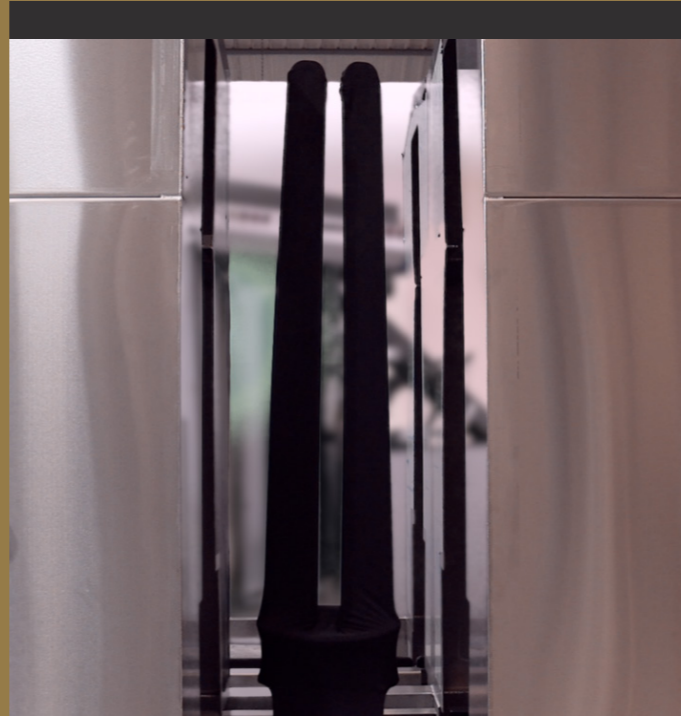


The seams are formed with new 3 needle technology that ensures supreme comfort for the consumer.

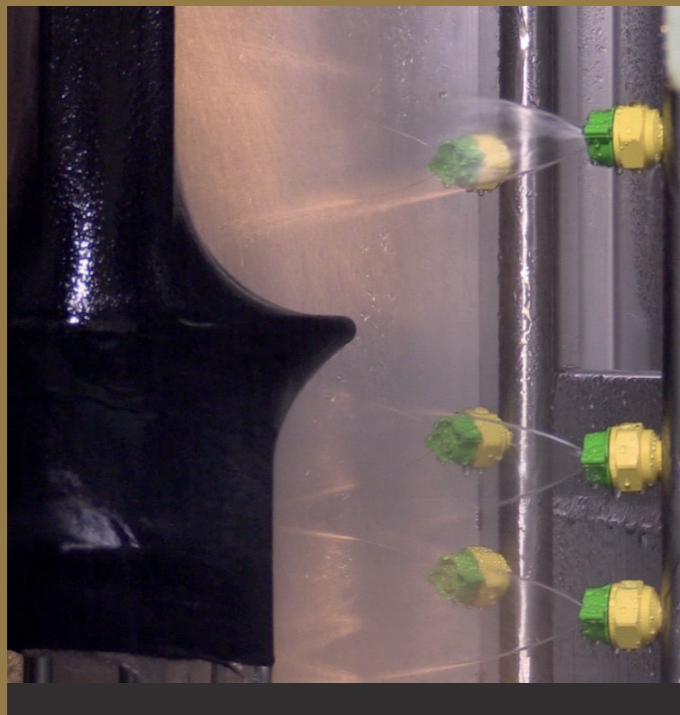
Key features:

- New 3 needle flat comfort band seam
- Positioned for minimum discomfort
- Toe seam – rounded & shaped to the foot



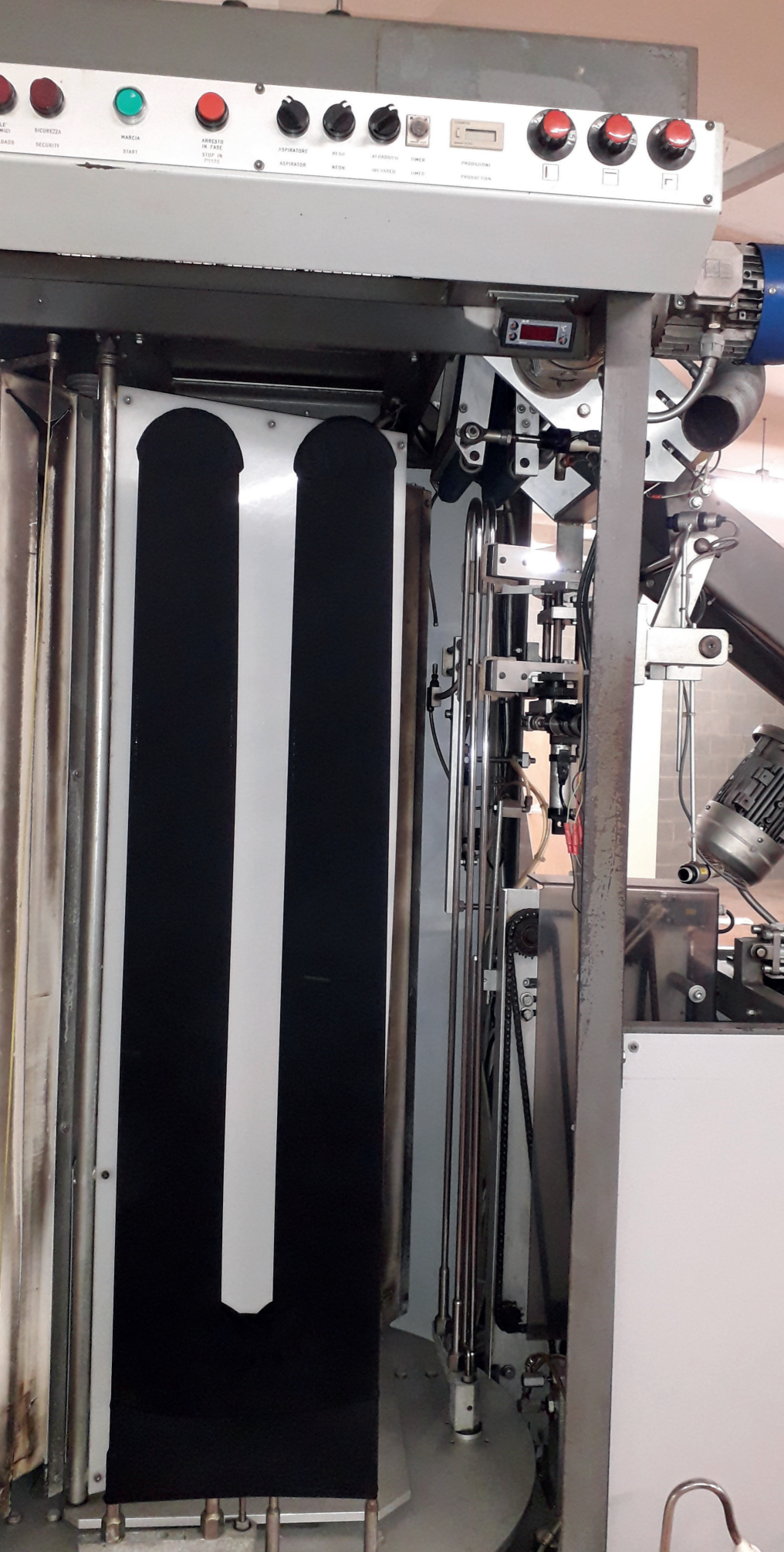


**Washing/drying is in a closed booth system with 100% recirculation of water and heat, creating no waste or effluent.**



Key features:

- Light touch wash process
- Minimal water usage
- Controlled & recycled water
- Minimal low impact chemical usage



Final shaping, folding and packing is achieved through a Cortese heat process, followed by an automatic in-line folding and packing process.



# Adria 2 Ltd. are proud to have developed this factory unit with the support of Invest N.I.

The team are also grateful for the inspiration and support from Rolf Noskwith, whose birth centenary anniversary is commemorated on 19th June 2019.

## The team also wish to thank:

The Lonati – Santoni Group

Jonathan Pears of Alphalex Ltd.

Andrew Venables of Contifibre spa

For their invaluable advice and assistance in helping make the project happen.