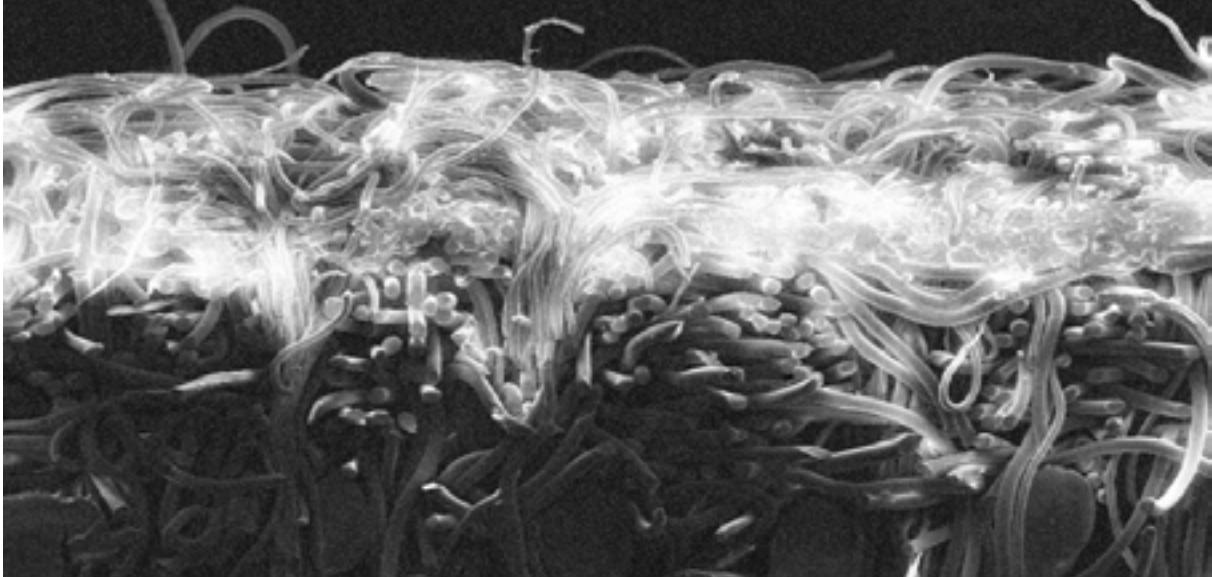


# Nitro™ FSn Fast Start-up



 **ASTENJOHNSON**



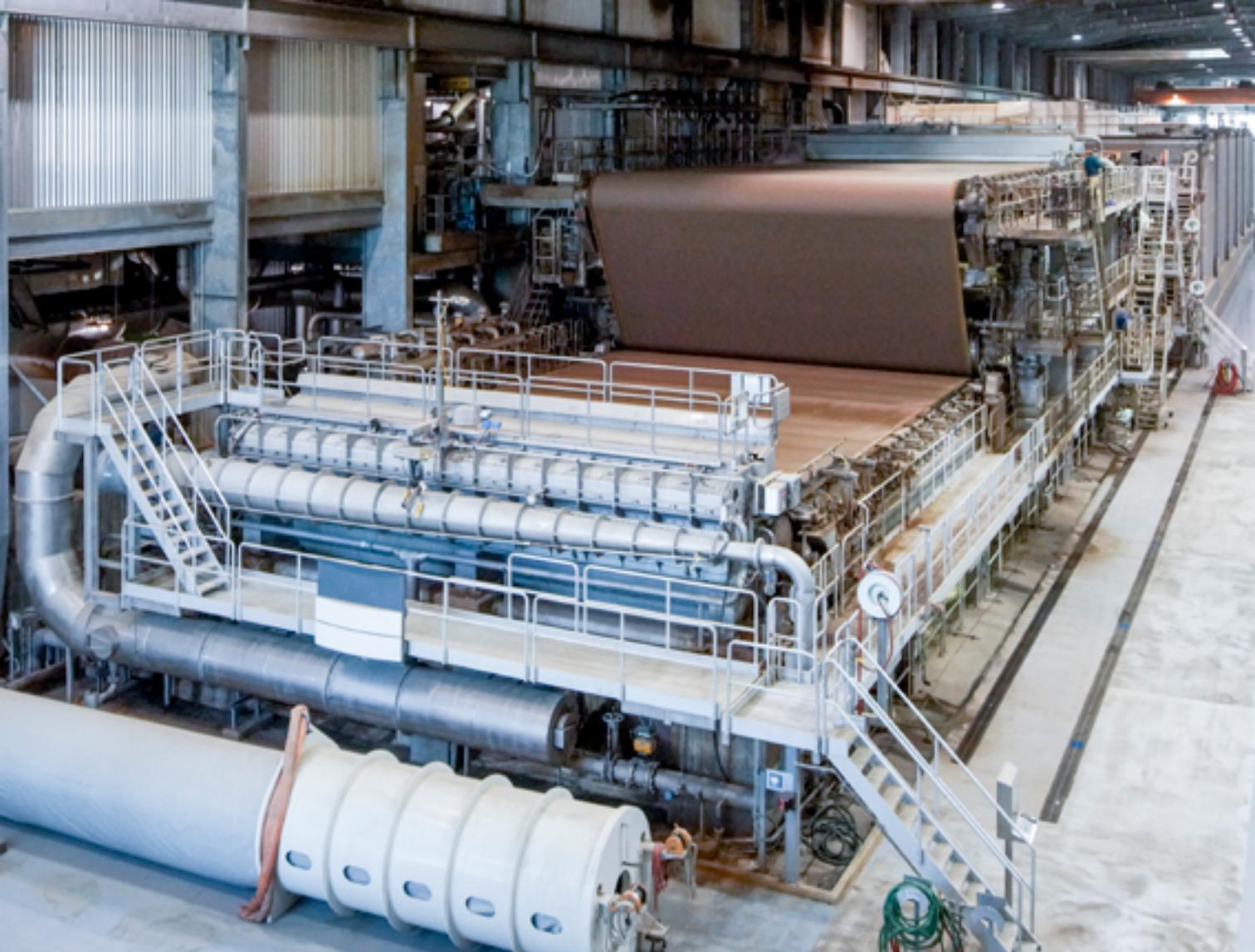
Nitro™ FSn

Your start-up is costing you tons (of money).

Fix it with Nitro™!

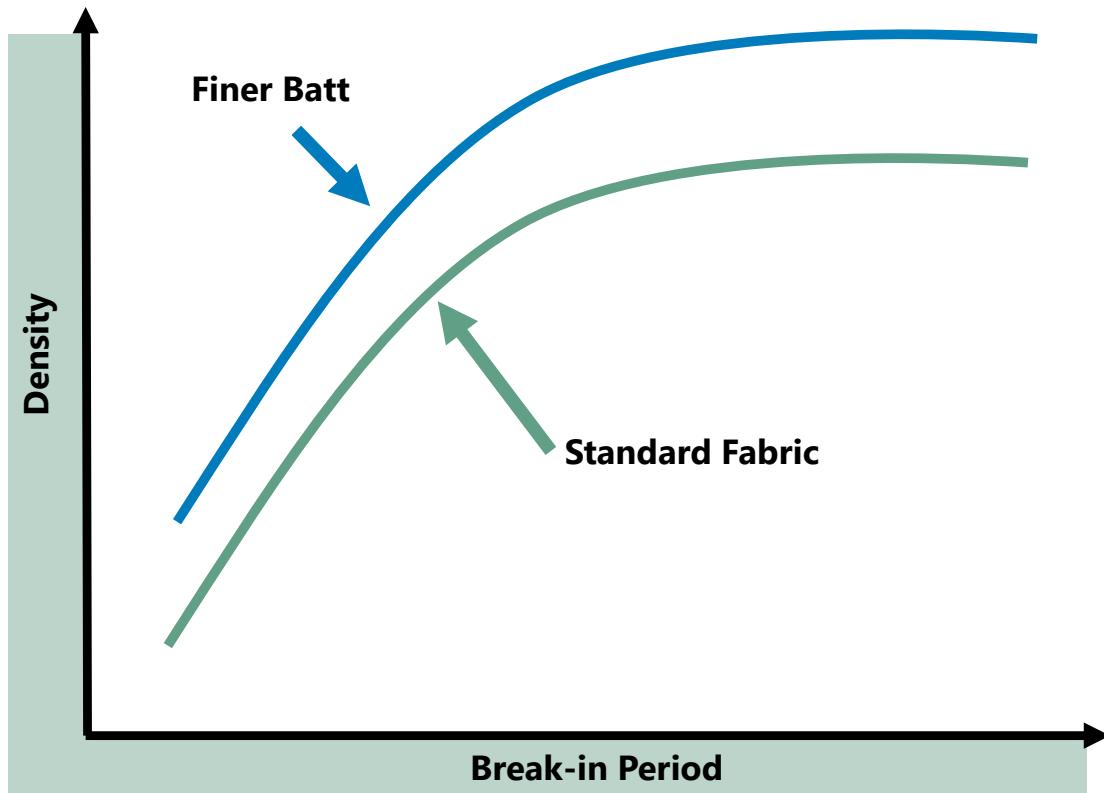
The reason press fabrics take time to settle into their running state is that the batt structure and base construction both need time to reach optimum density. The low initial density of new fabrics causes the Uhle boxes to remove too much water from the felt loop, which in turn affects nip saturation and pressing efficiency. Press fabric designers have to consider this effect to ensure that **most of the useful life** of the felt falls within the optimum density range.

We already have several conventional tools to increase initial density and pore size: pre-compaction and finer batt layers, but to truly influence the early density without sacrificing late life performance, some radical innovation had to be brought to bear. This is why AstenJohnson introduced the Nitro™ FSn treatment. Nitro™ FSn increases initial fabric density to reduce the break-in period, and then gradually exits the fabric structure to maintain optimal operating density throughout the rest of the fabrics' useful life. Unlike other technologies, **Nitro™ FSn is INTRINSIC**, part of the fabric structure, not topically applied, which ensures uniform application and does not compromise paper profiles.

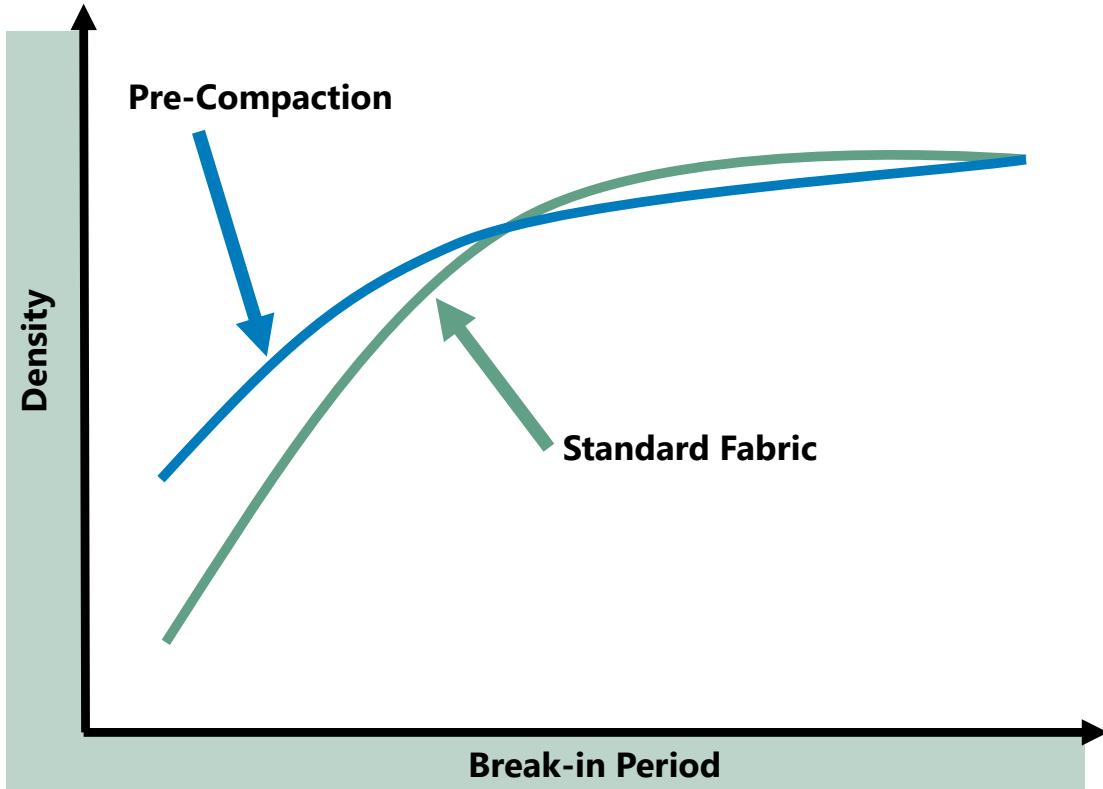


## Key Benefits

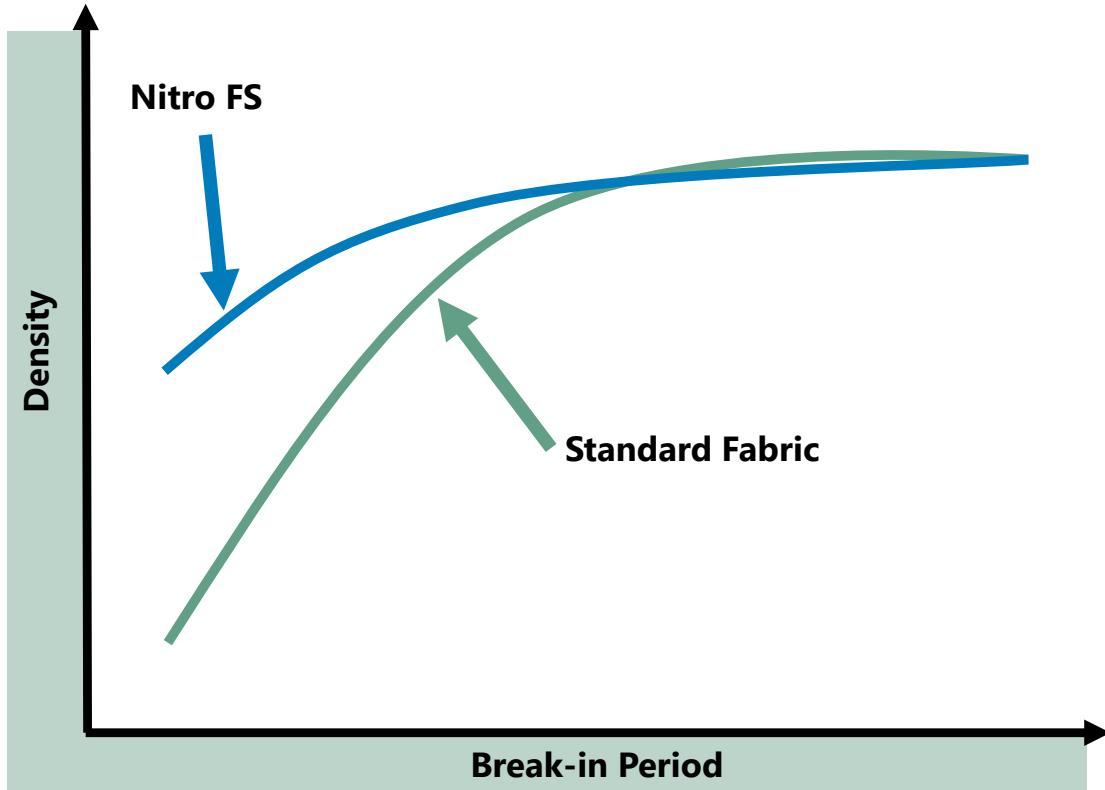
- Intrinsic to fabric design, so unlike topical treatments will not affect fabric uniformity and operating profiles.
- Temporary impact, does not affect late life operation.



Finer batt closes the permeability and reaches optimal pressing moisture sooner but increases overall operating density. This more closed structure could compromise late life operation.



Pre-Compaction increases initial density somewhat without affecting late life performance... But it is already widely applied!

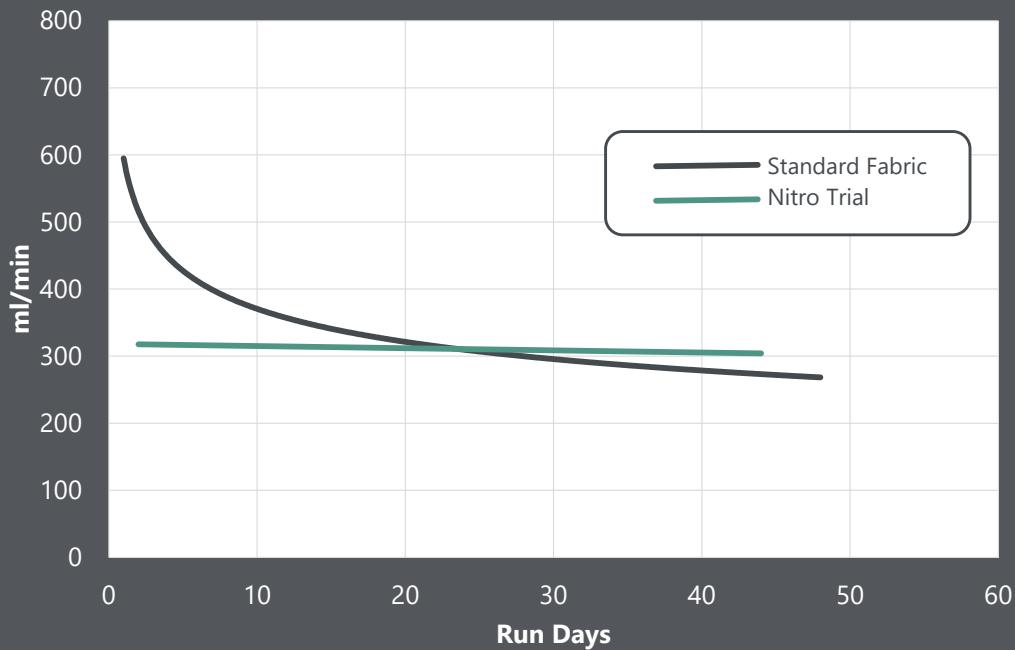


Nitro™ FSn combines the effects of pre-compaction and using finer batt, without affecting late life density.

## It pays for itself and then some!

Did you ever calculate the production loss from break-in time? Reducing break-in time on one machine by 3 days increased annual profits by \$591,000! Consider that increased speed and multiply by the number of fabrics used annually... It's one small move with massive potential.

## Actual Felt Water Permeability





Safety has long been one of the core values within the AstenJohnson organization. In 2016, we launched a new safety initiative to enhance and communicate our culture of protection, accountability, commitment, and trust.

This initiative, dubbed the Zero Accident Culture (ZAC), is more than just regulation. ZAC is a global effort to create and maintain a safety culture for AstenJohnson through ongoing dialogue and training that emphasizes safe practices in the workplace.

ZAC serves as a reminder of our shared vision for an environment where we all take pride and responsibility in caring for ourselves and for others.

