

Faster Startup

REGION:	Eastern Canada	
MACHINE:	Trinip w/ 4 th Press	
POSITION:	Pickup Felt	
GRADE:	Uncoated Freesheet	
BASIS WEIGHT:	38-60# / 3300	56-90 gsm
SPEED:	3600 fpm	1100 mpm
Loading:	450 pli	

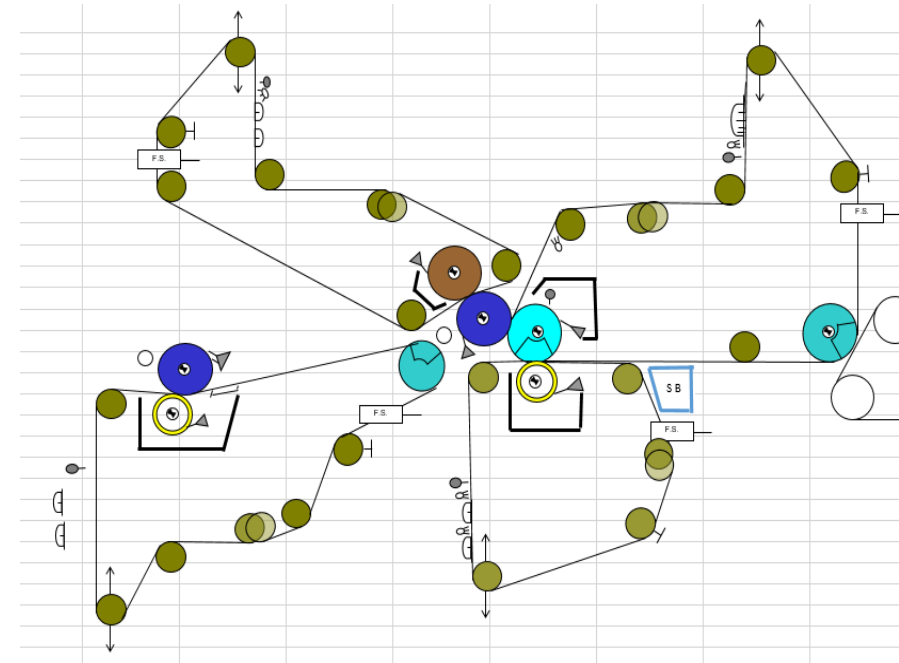
OBJECTIVES:

Reduce Pickup Felt break-in time and maintain 49 day felt life cycle.

Standard felt takes **5-10 days to break-in.**

RESULTS:

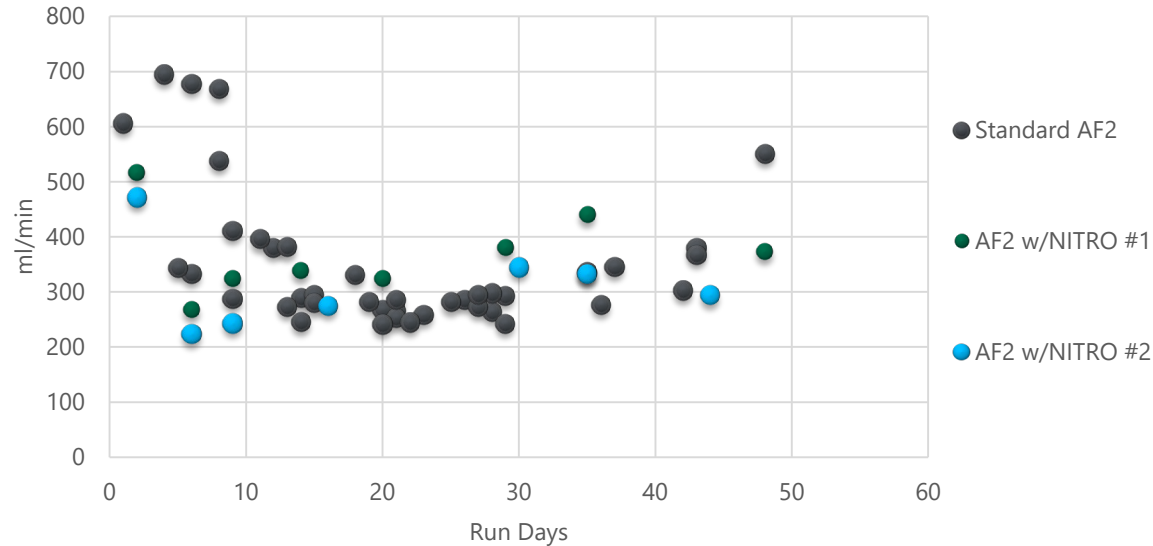
- **AccuFlow 2 with Nitro was at target speed in 3 days.**
- Ran the first 2 days without a wet end break.
- **Competitor trial to improve break-in still took 6-7 days to get up to speed.**
- 2nd Nitro trial ran similar to initial trial.
- Standard Design is now AccuFlow 2 w/ Nitro



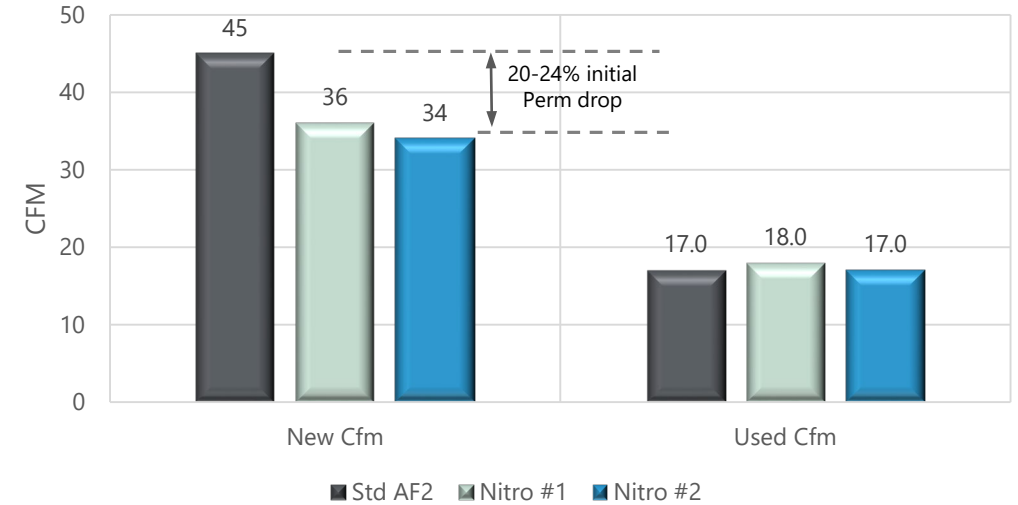
VALUE

Increased production due to reduced break-in time.
Ability to run lighter weight grades earlier in the run.

Pickup Felt Water Permeability



Pickup Felt Air Permeability



- Water Permeability values start out in the 600-700 range with the Standard AccuFlow 2 design.
- At 6-10 days, the AccuFlow 2 densifies and water permeability drops to the 250-350 range.
- At that point, the dewatering transfers from the uhle box to the nip and the machine speed increases.

With the Nitro Startup treatment added, water permeability starts out in the 500 range.

- After only 3 days, it drops to the 250-350 range and machine speed can be increased.
- Initial Air Permeability was 20% lower than Standard AccuFlow 2 while residual Air Permeability was similar.