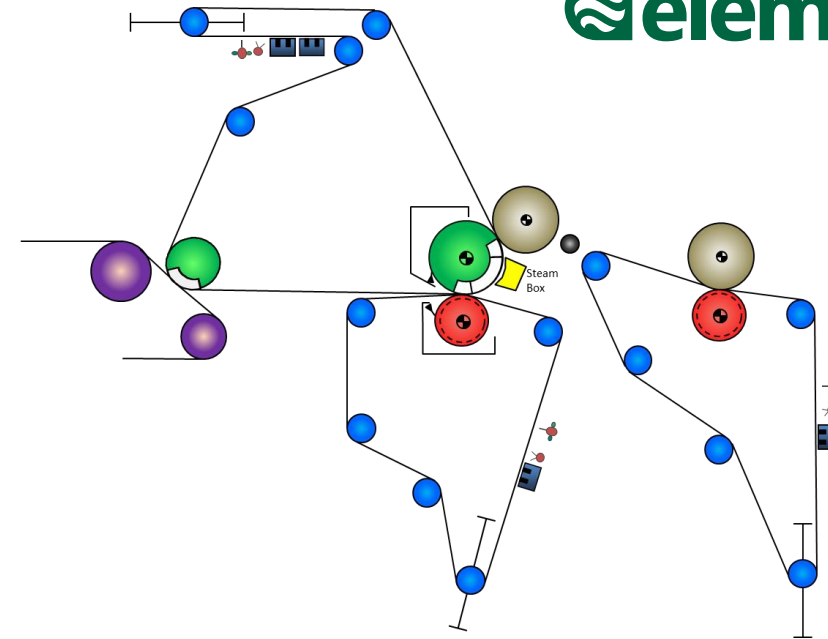


## Reduced Vibration

REGION:	North America	
MACHINE:	7	
POSITION:	3 <sup>rd</sup> Press	
GRADE:	Uncoated GWD	
BASIS WEIGHT:	24.5 – 36.5#/3300	46.4 – 53.8 gsm
SPEED:	3650 fpm	1115 mpm
LOADING:	1120 psi	7722 KPa



### OBJECTIVES:

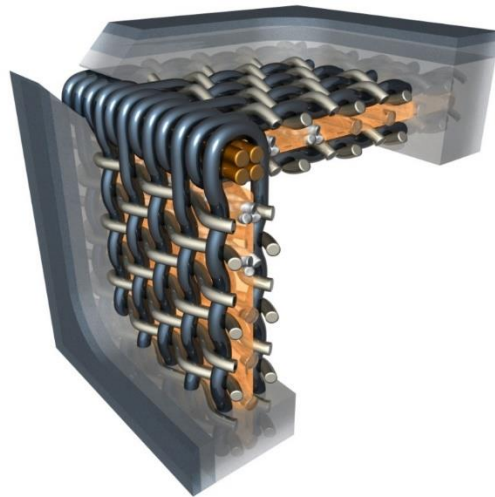
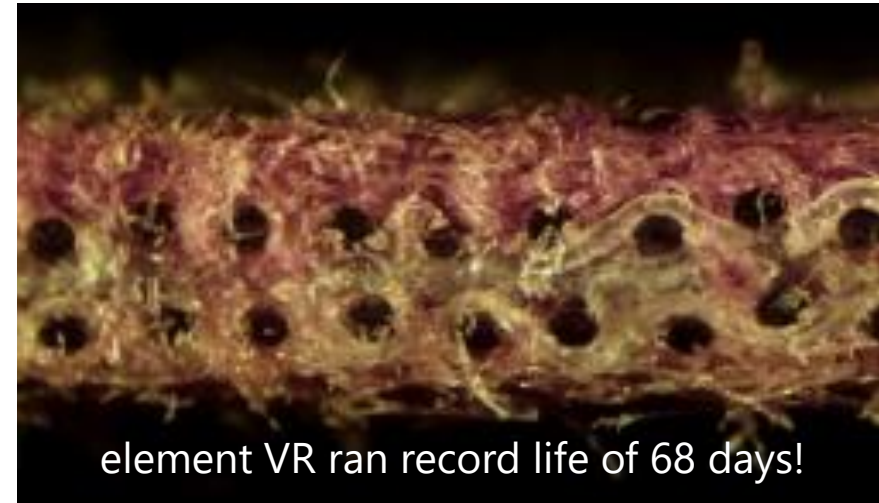
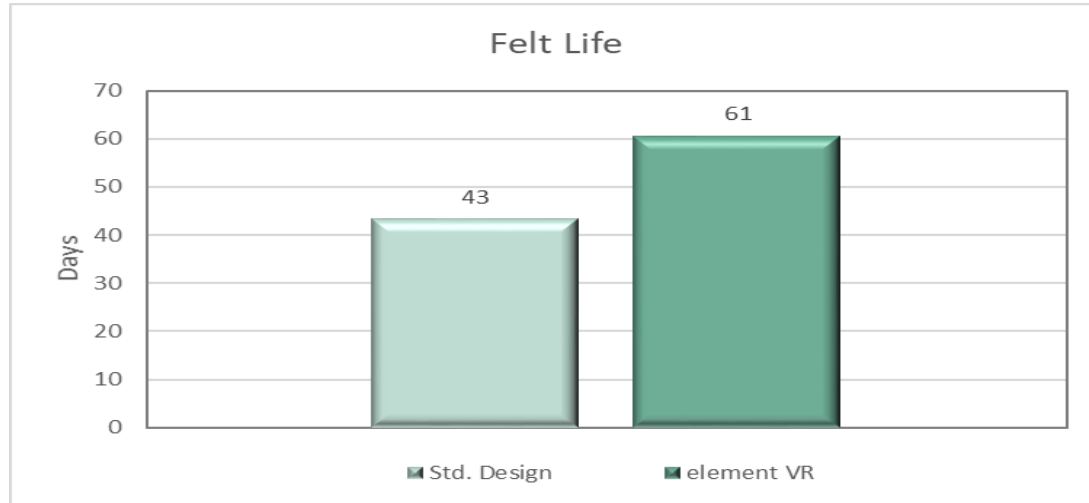
Reduce 3<sup>rd</sup> Press vibration.  
 Currently have to continually skew the felt tradeline to minimize vibration levels.  
 Ave. life is 43 days.

### RESULTS:

- Trial element VR ran 56 days with excellent runnability
- Returned felt analysis showed that the felt was in good condition and had life remaining.
- An element VR was reordered and ran 68 days!
- Lower draws and steam consumption.
- The element VR is now the standard felt as a 100% supplier

### VALUE

Lower vibration levels – less machine/roll damage.  
 Mill looking at ability to run 70 day cycle on the 3<sup>rd</sup> press.  
 Lower clothing cost as life goes from 42 days to 63 days.  
 Approx. 3 fewer felts / year = \$63,000 reduction in annual cost.  
 Lower draw / improved runnability.  
 Reduced steam consumption.



- Standard Design averaged 43 day life previous 3 years.
- First 4 element VR felts averaged 61 days!
- The vibration levels respond much quicker when cocking the element VR. Excitation level drops almost immediately.
- Lower draw and steam consumption!