Result off Clova Belgium

One of the discussed topics is still the total germ count of the last rinse water on Senking 2. It seems that the cfu remains > 1000 cfu/ml.

To my opinion & experience we had a similar issue at Clova last year:
- Senking tunnel on 30 - 40°C, washing coloured and white personal clothing from hospitals and retirement homes.
- one filter - circulation rinse water (filter installed by Jensen)
- Clova has 4 recuperation tanks for the rinse water and the extraction water <=> difference with Dumoulin.

Despite a proven disinfection / elimination (elimination factor more than 10^6) + adding extra Performance in the last compartment, we never reached a cfu < 1000 cfu/ml at the final rinse.

Main reasons are the low temperature (never > 40°C) + great amount of germs at the clothing before cleaning. Once the CBW is stopped by the end of production, clothes remain there and when the Performance is 'dissolved', germs can easily develop themselves again.

First actions taken: cleaning all tanks ; heating up the CBW to 90°C for all possible compartments

Result after 1 week: final rinse water: 850 cfu/ml; second week > 1000 cfu/ml.

Second action taken: cleaning again of tanks and CBW, followed by the installation of NDV Transducers on all tanks, on all pipes from tanks to CBW and on 4 compartiments. The NDV Transducers dissolve/remove all deposits from/on the walls and prevent so the formation of biofilm. The specific frequency also seem to tear apart the cell wall of unicellular microorganisms.

The results:

	Last comp.	Tank White	Tank Colored	
20/12/2013	2	4	2	*installation Transducers; 1 day after cleaning*
30/12/2013	43	65	80	*1 week after installation Transducers*
6/01/2014	23	300		*2 weeks after installation Transducers*
15/01/2014		15		
17/01/2014		240	275	*first internal tests*
28/01/2014	210	335		
26/03/2014	206			*switch off filter Jensen*
8/05/2014	0	0	370	

I discussed this experience at Dumoulin and Rik asked me to provide an offer. You can find some more at the website of NDV Ultrasonic:
http://www.ndvultrasonic.com