

Care and Feeding of Böttcher Rollers

□ Ink Changes and Daily Wash Up

- ✓ Recommended for daily maintenance, color changes, shift wash ups.
- 1. Saturate Rollers with *Böttcher ProAR* and allow to run for 2-3 minutes.
- 2. Saturate roller train with a Fogra approved wash (i.e. *Böttcherin 6003*)
- 3. Engage wash up blade.
- 4. As rollers start to dry, re-apply wash and water.
- 5. Continue with step 4 until rollers appear to be clean.
- 6. Last application - apply only water.
- 7. When rollers are dry, disengage wash up blade.
- 8. Apply a small bead of *BöttcherPro Cleanfix* across the top idler roller and allow to run in 3-5 minutes.
- 9. Repeat Steps 2-6 until clean.

□ Calcium Removal

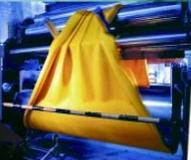
- ✓ Recommended to be done on a bi-weekly basis
- 1. Apply *BöttcherPro Calciumfix* to rollers free of ink.
- 2. Allow product to run in no longer than 3-5 minutes.
- 3. Wash rollers with (warm) water followed by a Fogra approved wash (i.e. *Böttcherin 6003*)

□ Deep Cleaning

- ✓ Recommended to be used during any available downtime. (Weekends, overnight, etc.)
- 1. Wash rollers free of ink. (see Daily Wash up above)
- 2. Stop the press and liberally apply *FEBO Clean 2000* paste with ink knife on to the top rider roller.
- 3. Start the press up and let idle for 3-5 minutes.
- 4. You should have enough applied so that you can see and hear the paste moving with the oscillation of the press.
- 5. Shut down the press and leave *FEBO Clean 2000* cleaner on rollers over the weekend, over night or other available downtime.
- 6. At start-up, rinse rollers with Fogra approved wash and water.
 - ✓ This product will not dry on your rollers.
 - ✓ This product cannot be overly used.
 - ✓ The more it is used, the quicker the start-ups will become.
 - If it appears to be drying, apply more paste before washing; it is simply thickening as a result of the "insoluble particles removed from the roller surface."

□ Lubrication- Always Lubricate Rollers in Open Units!

- This helps rollers run cooler and cuts down on ink misting.
- Proven to significantly extend the life of rollers.
- 1. Apply *Böttcher WP Lube* directly to clean rollers in the units that you will not be printing with.
- 2. To remove, simply wash rollers as normal using a Fogra approved roller wash and water per above procedures.
 - Use *Böttcher WP Lube* for conventional and TM*Chameleon* rollers.
 - Use *Böttcher Universal Lube* must be used on EPDM (UV) roller compounds and *can* be used on all other compounds.



Helpful Tips for Printing UV With Böttcher Rollers

Conventional Ink to UV Ink

1. Saturate Rollers with Böttcher ProAR and allow to run for 2-3 minutes.
2. Saturate roller train with a Fogra approved wash (i.e. Böttcherin 6003)
3. Engage wash up blade.
4. As rollers start to dry, re-apply wash and water.
5. Continue with step 4 until rollers appear to be clean.
6. Now, substitute the conventional wash you are using for a Fogra approved UV wash (i.e. Böttcherin UV 60-S) and continue.
7. Repeat Step 6 until rollers appear to be clean.
8. Last application - apply only water.
9. When rollers are dry, disengage wash up blade.
10. If a deeper clean is required, apply BöttcherPro Cleanfix across top idler roller and allow to run in for 3-5 minutes
11. Repeat Steps above.
 - The use of a UV conditioner is sometimes helpful and can be acquired from your UV ink supplier and should be ran in per the manufacturer's specifications, and rinsed per above instructions. Böttcher ProAR can be used in the same manner as a conditioner.

UV Ink to UV Ink

✓ Wash up to be done as described above in ink changes and daily wash up, with a Fogra approved UV wash (i.e. Böttcherin UV 60-S) in place of the conventional wash.

UV Ink to Conventional

✓ Wash up to be done as described in the steps for Conventional Ink to UV Ink at the top of this page with the exception of using UV wash first then moving to a conventional wash to complete the wash up.

✓ Böttcher along with most major press manufacturers, highly recommend using Fogra approved washes on your printing presses.

✓ For a list of available products please visit:

- <http://www.boettcher.de/index-engl.htm> - (on the left of your screen click on products, then washing agents, there you'll find many to choose from)
- <http://www.fogra.org/washes/index.html>

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