

# Eliminate Roller Contamination

with

TOWER PRODUCTS ROLLER CONTAMINATION ELIMINATION SYSTEM



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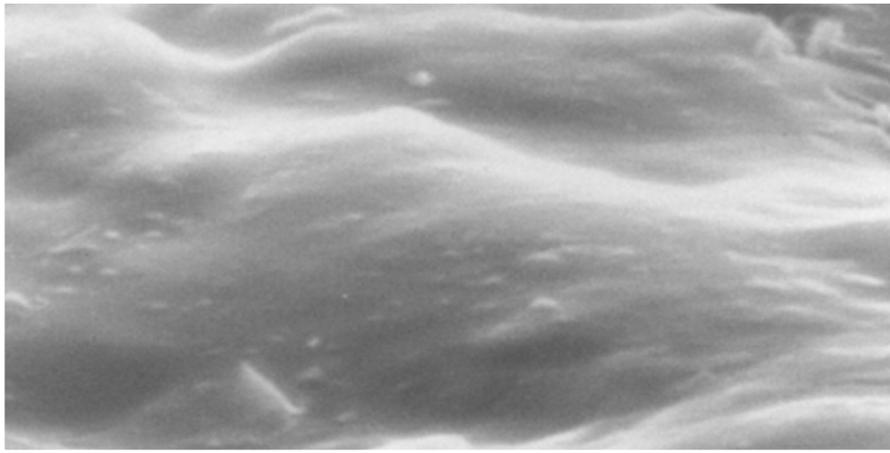
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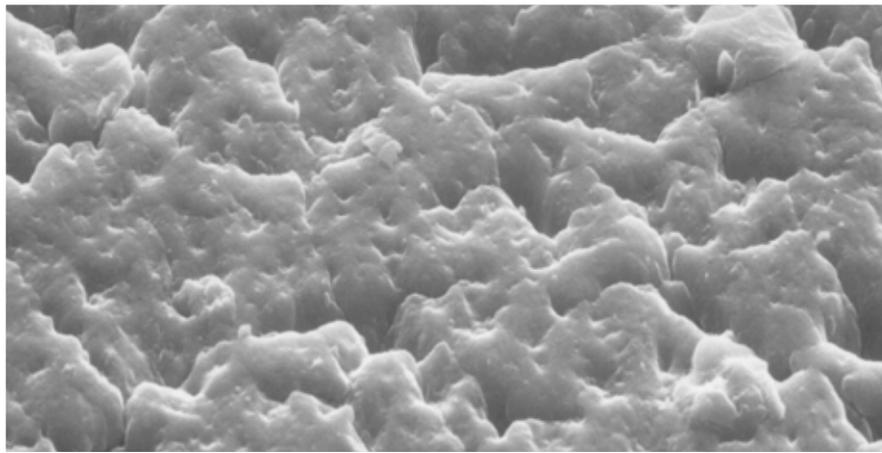
## TOWER PRODUCTS ROLLER CONTAMINATION ELIMINATION SYSTEM

In today's pressroom, printers are dealing with several areas of contamination in the ink rollers and water rollers of the press. Inks today, in many cases, are much higher in pigment loads. Surfactants are found in washes and fountain solutions; and calcium is present in most papers used today. All of these by-products are contaminants in the inking rollers that are not removed by simply washing up the rollers with just press wash.

Simply stated, printers are dealing with contaminants that are solvent soluble, water soluble and insoluble. The trick is to be able to remove all of these contaminants so that the rollers are clean and able to accept ink and water. The photograph below shows how these contaminants can build up on the roller over time.



As you can see, this glazed look is not the ideal surface to carry the ink and water emulsion down the roller train to the plate. Even more troubling is that the calcium, soap compounds and clays can easily ride this roller surface down to the printing plate which will cause blinding. The goal is to get the roller surface clean so that the proper transfer of ink and fountain solution can take place to produce quality printing. A properly cleaned roller surface will look like the picture below.



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Washing up the rollers with solvent alone or water alone will not get the rollers clean. You need to employ a system that will clean all of the contaminants.

Tower Products has developed a process to completely remove contamination from the rollers. This simple procedure will take on average 15 to 30 minutes to remove all the contamination that affects print quality.

### FOLLOW THESE STEPS:

- 1.** Wash up ink rollers using a quality water miscible press wash like **Tower I.P Wash** or **Tower Colorkleen**.
- 2.** Apply **Tower Super Roller Cleaner** to ink rollers and allow it to evenly coat rollers. Allow 5 minutes for product to work into rollers.
- 3.** Flush **Tower Super Roller Cleaner** out with a water miscible press wash.
- 4.** Apply **Tower Deluxe Calcium Rinse** to the rollers. Make sure the rollers are evenly coated and wet. Allow 5 minutes for product to work into rollers.
- 5.** Flush **Tower Deluxe Calcium Rinse** out with water.

*The benefits of utilizing the Tower Products Roller Contamination Elimination System are:*

- Print quality will be maintained at a high level.
- Plate blinding issues will be kept to a minimum.
- Roller life can be extended.

A video demonstration of this process can be found by clicking the link below.



<http://www.towerproducts.com/videolibrary>

**Tower Products** can provide additional technical support, product advice and samples by contacting our customer care department at 800.527.8626 or by emailing us at [info@towerproducts.com](mailto:info@towerproducts.com).



PO Box 3070 • 2703 Freemansburg Avenue  
Palmer, PA 18043-3070

V 800.527.8626 F 610.258.9695 • email: [info@towerproducts.com](mailto:info@towerproducts.com) web: [www.towerproducts.com](http://www.towerproducts.com)