

A RAPIDLY CHANGING PICTURE

As increasing worldwide legislation steadily outlaws all kinds of Volatile Organic Compounds (VOCs) in the pressroom, a new set of challenges arises. With low-VOC cleaning compounds, for example, rollers are now more difficult to clean thoroughly. The answer is a whole new kind of roller technology. One which acknowledges that the change to low-VOC solutions is permanent, and instead offers an alternative (and vastly better) way to go.

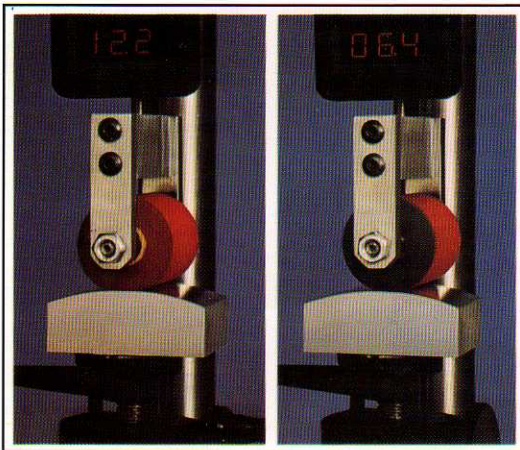
With our Ryno® and HydroMetric® printing rollers, Afton provides the answers to these major printing industry challenges.

In addition, both Ryno® and HydroMetric® printing rollers possess a long list of other advantages. These range from uniquely smooth, virtually non-porous surfaces to a soft, compressible but very durable makeup. Together, these characteristics allow Afton's Ryno® and HydroMetric® compounds to print much more efficiently.

Afton Compounds, when used in sheet-fed and web offset presses, allow lighter settings than conventional rubber rollers. This in turn reduces wear on journals and bearings, eliminates bounce in the plate gap and allows cooler running presses.

RYNO® COMPRESSIBLE ROLLER COMPOUNDS

The Ryno® roller compounds are the result of many years of research and testing. They are constructed of a proprietary synthetic material which is both softer and more resilient than rubber, truly compressible, and available in durometers from 15 to 70 Shore A.



To set a 1/4" stripe with a rubber roller of 25 durometer Shore A (left) required almost twice as much pressure as a soft, resilient Ryno® Roller of the same durometer (right). This dramatic reduction in pressure means less wear on the plate and roller life and a cooler running press. It also eliminates plate gap bounce, and provides a better water / ink balance.

In extensive laboratory and field testing all around the world, Ryno® Rollers consistently produce sharper dots, with superior transfer of both ink and water. Yet this softness doesn't come at the expense of durability. Ryno® compounds are many times more resistant to swelling, shrinking and hardening than even the best rubber rollers, especially with UV washes.

HALVING THE PRESSURE

Our roller compounds operate at half the pressure of conventional rollers. This reduces operating strains on the rollers, journals, bearings and plates, as well as the inevitable heat build up, and extends their lives substantially. Lower pressure also reduces or eliminates bounce and allows a better water / ink balance.

Bottom Line: you get a better job, with less downtime.

THE AFTON ADVANTAGE

Ryno® compound for Ink Forms, Distributors and Ductors is now used in pressrooms worldwide. Because Afton rollers are a lot less porous than their rubber counterparts, they absorb little or none of the roller wash. The swelling, shrinking and hardening which results from ink and wash up contamination when rollers are washed in the new generation of low-VOC cleaners are largely eliminated.

BUILT LIKE A RYNO®

Thanks to the density of Afton material, Ryno® Rollers are machined and polished to an extremely smooth, blemish-free finish. They're precision ground and polished to exact OEM specifications. This painstaking process has been largely responsible for Ryno's® worldwide reputation for uncompromising quality.

HIGH SPEED RYNO® WEB RED

Afton is very pleased to announce the availability of our newest roller compound, High Speed Ryno® Web Red. Designed specifically for high speed web presses as well as sheet-fed offset presses, High Speed Ryno® Web Red works great for ink form, distributor and water form rollers.

Ryno® Web Red was evaluated on presses by GATF with excellent results at speeds in excess of 50,000 IPH, generating significantly less heat than the rubber rollers used for comparison.

The Ryno® Web Red rollers work extremely well with many of the commonly used UV press washes on the market.

