



**Paper Needs Moisture.**



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**WEKO-RFS**  
**Remoistening System.**

# Heatset Web Offset Printing. Not Only The Ink Is Dried.

## Dryers generate extreme heat.

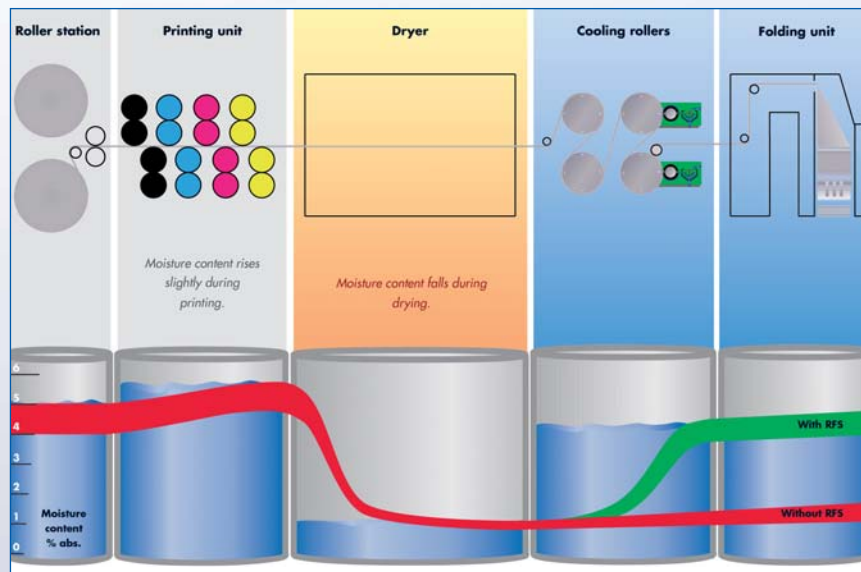
In commercial web offset printing, hot air flotation dryers are used to dry the ink. This process has an unfortunate side effect, in that the paper loses a high

proportion of its natural moisture and, as a result, its original characteristics. Within a very short time, the relative moisture of the printed material falls from around 40% to less than 10%.

Dried-out or excessively dry paper has an extremely adverse effect on subsequent conversion processes, impairing both productivity and quality. In today's competitive world, no one can continue to ignore problems of this nature.

WEKO offers an economical, versatile solution which eliminates the undesirable side effects of heatset offset printing.

How paper loses its moisture – during printing the WEKO-RFS counteracts moisture lost in the dryer.



## The Proven Solution. WEKO-RFS Remoistening System.

### Straightforward integration and retrofitting in modern heatset web offset presses.

With a WEKO-RFS remoistening system, the printed material recovers its natural moisture after drying. Because the web is moistened on both sides, the original characteristics of the paper are almost completely restored. As a result, all the problems associated with dried-out paper are prevented and productivity and quality are improved.

Thanks to its modular design, a WEKO-RFS remoistening system can be straightforwardly mounted to the cooling roller pillars of heatset web offset presses, even retrospectively if required. No additional floor space is needed, nor is the distance travelled by the web extended.



A WEKO-RFS can be mounted to the cooling roller pillars simply and straightforwardly.

# WEKO-RFS. Offers All These Convincing Advantages.

## Improved Productivity.

### No static electricity.

Dry paper is particularly prone to static electricity charges, resulting in problems in the folding unit, shingle stream and compensating stacker, as well as in subsequent conversion processes. A WEKO-RFS provides a reliable remedy.

### No problems in the folding unit.

Brittle, dried-out paper frequently causes the web to tear or become jammed, with the result that the press must be stopped. A WEKO-RFS contributes to trouble-free operation.

### No sloping stacks in the compensating stacker.

Poorly defined folds, combined with the inflexibility of dry paper, lead to sloping stacks in the compensating stacker and impair handling. A WEKO-RFS permits rapid, fault-free stacking.

The particularly impressive effects of the WEKO-RFS remoistening system include improved printing productivity, the elimination of problems in the folding unit and the avoidance of split folds.



## Improved Quality.

### No adhesion between adhesive-bound pages.

Corrugations and distortion in the spine make it difficult to separate the pages and may cause the spine to break. A WEKO-RFS compensates for lost moisture and restores the paper to its original quality.

### No irregular expansion of pages.

During drying, the paper shrinks under the effects of heat. Following printing, it expands again by absorbing moisture

from the atmosphere, with the result that quality is impaired when different production batches are mixed. A WEKO-RFS compensates for shrinkage.

### No split folds; staples do not fall out.

When dry paper webs are folded, the fibres or coating may separate at the fold. Splits in folds are unsightly and staples frequently fall out. A WEKO-RFS is a guarantee of the highest possible quality.



A WEKO-RFS optimises the shingle stream.