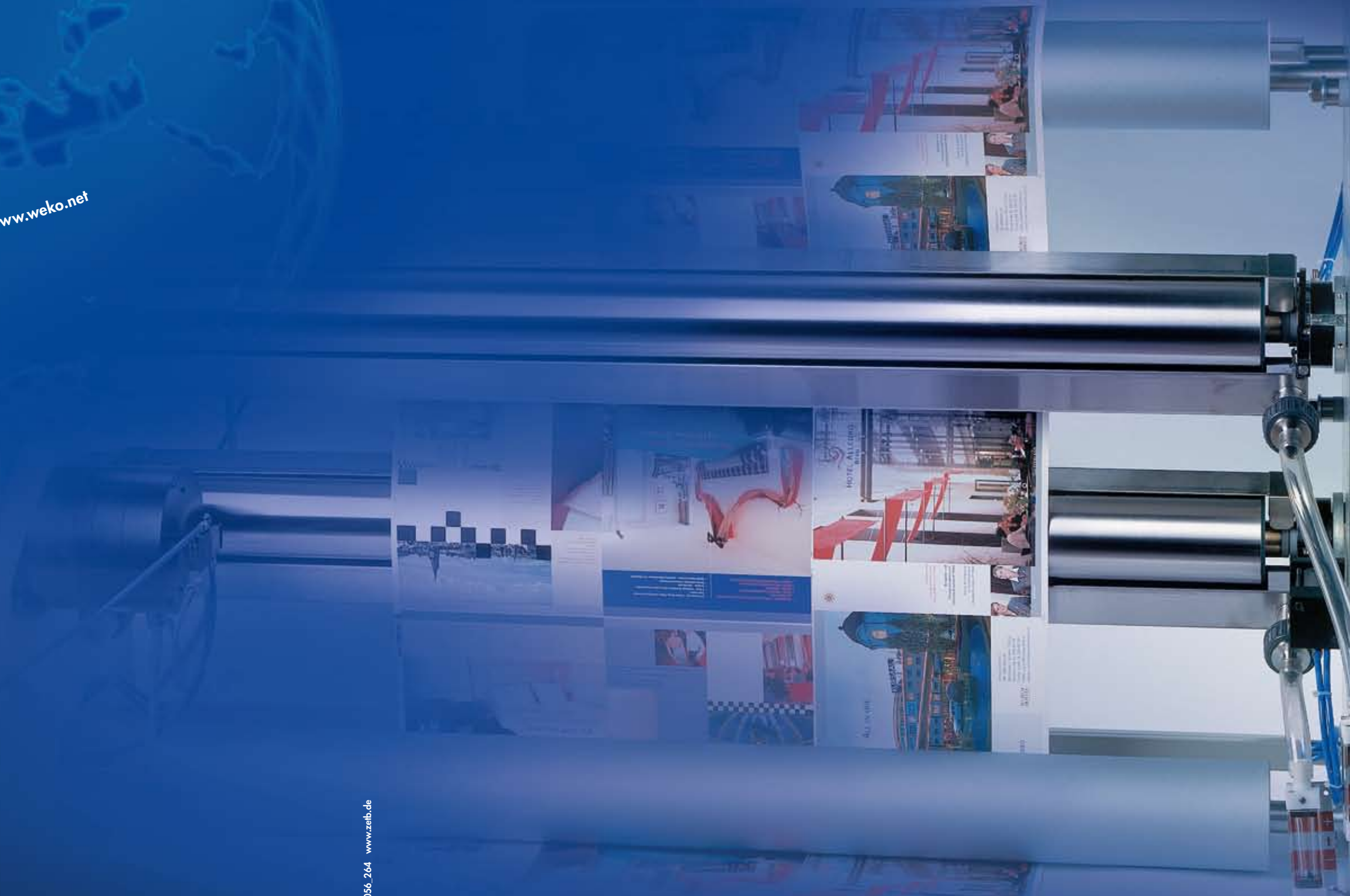




Paper Needs Protection.



For worldwide contacts of the WEKO Group see www.weko.net



Weitmann & Konrad GmbH & Co. KG
Friedrich-List-Straße 20-24
D-70771 Leinfelden-Echterdingen
Tel. +49 (0) 7 11-7 98 80
Fax +49 (0) 7 11-7 98 81 14
E-mail: info@weko.net

056_264 www.zetfb.de

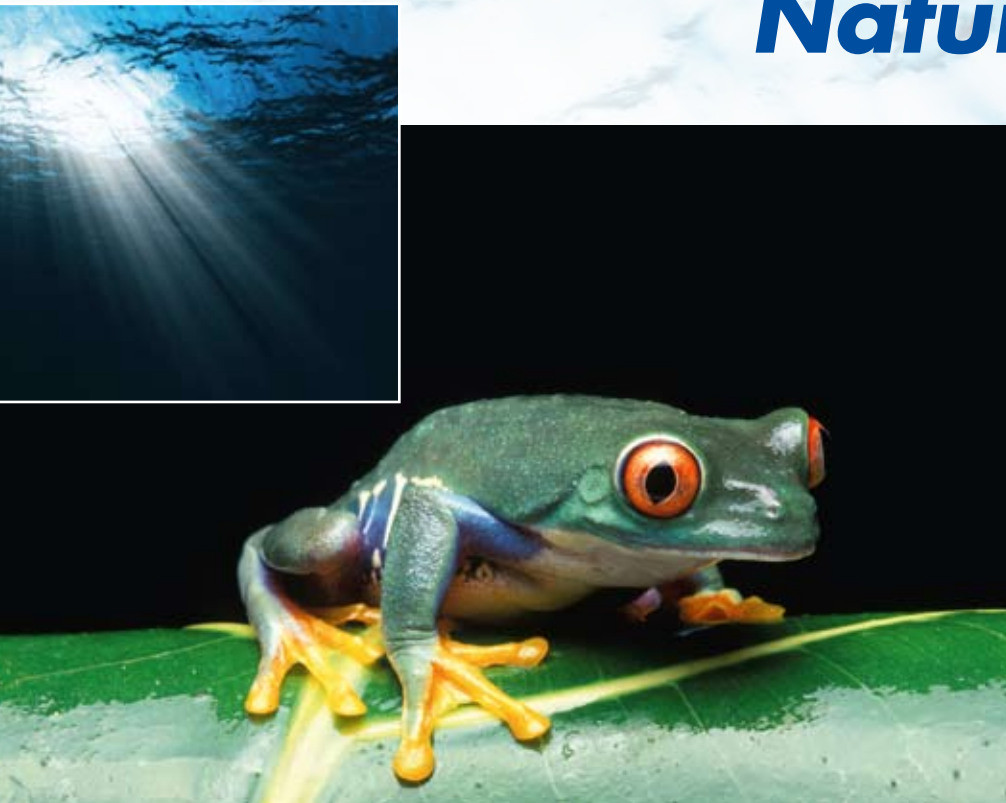
WEKO-WFA Roller Moistening.

Nature Has Moisture.

Nature provides for a variety of optimal biospheres and protects all of its inhabitants.

And Paper Has WEKO.

The WEKO roller moistening improves and protects paper webs and, therefore, it provides for the optimal conditions for smooth further processing.



Function principle

WEKO roller moistening uniformly transfers liquids that have various properties at the correct dosage on paper. Such liquids mostly include silicone emulsions, but also waxes, antistatic agents and finishers.

A metering unit mixes water and concentrate, fills this mixture into a storage tank and then maintains its level. The emulsion circulates at a high rate within a closed cycle from the supply unit to the troughs and back via filters. Thanks to the compact design of the storage tank, the system quickly responds to any changes to the emulsion concentration setpoint.

Moreover, an optional exposure roller can bind the separate emulsion particles in order to form a homogeneous film and prevents the silicone from being thrown away from the first idler roller after application.

Benefits

The paper web is protected by an extremely thin silicone film. This results in a surface that is highly capable of withstanding stresses. The sliding properties within the folder and the flexibility of the material web are considerably improved, in which rub and pressure marks are thereby reduced.

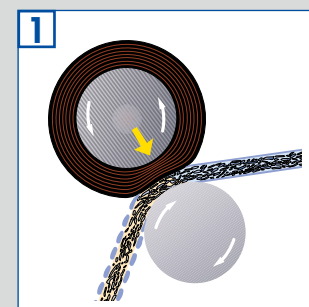


Fig. 1
An optional exposure roller fills the emulsion into the paper.

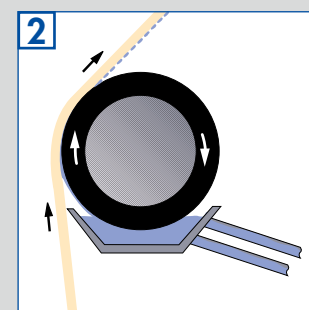


Fig. 2
The applicator roller can be continuously controlled in ganging and reverse rotation.



Advantages

- high availability thanks to the extensive freedom from maintenance attained
- different web running directions are possible
- the paper web can be coated on one or both sides in a single pass
- an automatic metering unit ensures the optimal application quantities of the silicone concentrate
- easy cleaning trough, thanks to a flow-optimised design
- dirt particles are simply washed away and can be easily removed from the filter
- the magnetically coupled metering pump is non-wearing
- the compact design allows for an adaption to different machine types
- the applicator roller can be continuously controlled in ganging and reverse rotation to the paper web
- the trough, tank and filter can be removed without tools for easy cleaning



WFA supply

Concentrate is fed into the water tank at high pressure and stirred there. The control is realised with a continuously adjustable potentiometer.



WFA/R supply (specially designed for silicone emulsions)

The concentration is continually measured by a sensor and is quickly controlled to a defined setpoint.



Liquid supply in a cleaning position

- filter screen, washable
- trough, removable
- pump, lifted