



WEB OFFSET PRINTING



INNOVATIVE ROLLER TECHNOLOGY



EUROGRAPHIC PRODUCT RANGE

1. INKING UNIT

1.1 NEWSPAPER WEB OFFSET

In newspaper printing both vegetable oil based inks and mineral oil based inks are used. On roller coverings these inks can sometimes cause either extractions or swelling, resulting in the need for a resetting of the rollers. In order to minimize the need for adjustments, our EUROLAB has developed – in close cooperation with leading ink manufacturers from Europe and North America – the product range **EUROWEB-NC**. The result of this cooperation is a newly designed formula that promotes further the dynamic efficiency of this **New Concept** roller covering.



1.2 ILLUSTRATION WEB OFFSET

High volume printing runs using various paper qualities are everyday business in illustration web offset printing. Limited downtime is given a high priority in most modern heatset printing plants. One decisive basis for achieving this goal is ink roller coverings from the **EUROWEB-SHS** product range. Those **Super High Speed** compounds, specially developed for high performance web offset printing, are able to fulfil the needs induced by high mechanical stresses over long print intervals because of their special composition.



1.3 MULTI FUNCTION ROLLERS

The distribution of ink films over up to three nip points per roller puts those roller coverings under extreme mechanical stress. As a result, increased abrasion and sudden breakdowns are quite common. If adjusted correctly the multi function roller coverings from the product range **EUROWEB-MF** (**Mul ti Function**) do not only offer the best possible ink distribution and provide an extended service life, but also contribute to a reduction in fogging.



1.4 INK ROLLER INNOVATIONS

Further increases in printing speed lead to constantly growing dynamic stresses placed on rubber roller coverings. In order to meet these demands, two product ranges have been developed: **EUROWEB-HTS** (Heat-set Top Speed) and **EUROWEB-CTS** (Cold-set Top Speed). These future generation compounds for inking rollers are the result of our understanding of the need for INNOVATIVE ROLLER TECHNOLOGY.



1.5 HICKEY REMOVER ROLLER

Through the grouping of special fibers on the surface of the roller, the dual function roller **EUROWEB-HP** (Hickey Picker) provides not only functional stability during ink transfer, but also allows for the removal of dirt particles during the printing process if used in the position of the first ink form roller.



1.6 INK DISTRIBUTION ROLLER

The high performance covering of the product range **EUROSAN** is the basis for the cover finishing for all distributor drums and distributor rollers. Aside from a hardness of 100 Shore A, the blemish free surface offers the best possible distribution of ink.



2. DAMPENING UNIT

2.1 STANDARD DAMPENING ROLLERS

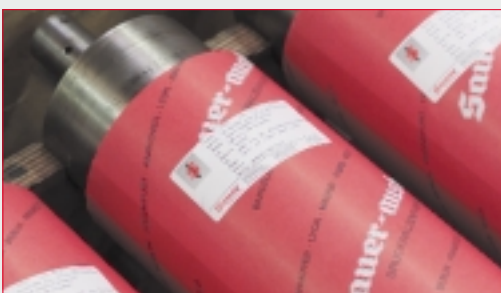
Independent of the dampening unit construction, only few dampening rollers allow a constant and even transfer of dampening solution. Even the standard version of the dampening roller covering **EURO-DAMP** provides optimal results due to its specific goal oriented development.

For use as a pan or metering roller in job web offset, a special consideration during the development process was placed on the optimization of the crown, i.e. dampening solution retention.

2.2 FUNCTIONAL DAMPENING ROLLERS

The dampening roller compound **EURODAMP-NG** in combination with **EURODAMP-SC**, has been specially designed to reduce and eventually eliminate IPA. Due to its special hydrophilic surface properties the dampening roller compound **EURODAMP-NG** (New Generation) has an additional function in that it evenly distributes the dampening solution at an optimal level over the entire surface of the roller. The special ink-repelling properties of **EURODAMP-SC** (Self Clean) allow for all meter, pan and ductor rollers to continuously and adequately maintain the necessary levels of dampening solution required for optimal printing.

During the after dampening process in brush, spray or turbo dampening units, **EURODAMP-NG** also offers an improved distribution of the dampening solution.



3. BLANKET WASHUP SYSTEM

The product line **EUROWEB-BWR** (Blanket Wash Roller) proves itself not only by its increased hydrolytic resistance, but also from its impressive washup abilities.

4. WATERLESS OFFSET PRINTING

The product range **EUROSET-WL** has been specifically designed for Water-Less offset printing. Special rubber based coverings allow for roller longevity, but even greater longevity is obtained with a newly developed polyurethane covering of the same product range due to its superior mechanical characteristics. The special surface being almost free of pores is a contributing factor in achieving the extraordinary printing features and reducing the amount of time needed for clean up.

5. ANILOX OFFSET PRINTING

The **EUROLOX** covering was developed specially for use as an ink form roller in anilox offset processes due to its thermodynamic properties. This compound distinguishes itself through high elasticity and minimal elongation. Best possible resistance against deformation as well as high dimensional stability gives this roller covering the necessary functional stability it needs. A necessary optimal hardness of 55 Shore A allows for an even, exact controlled distribution of ink.





Related Products and Services

A highly qualified and expanding sales force capable of providing service and **consultation** is the foundation for the **euroservice** concept – a customer oriented program available throughout Continental Europe and the United States.

Aside from a **complimentary** door-to-door pickup service, a **roller exchange** program is offered for most common printing machines. Innovative customer service also means a ready-to-print guarantee that includes **disassembly**, core inspection and repair, replacement of old or worn

parts, and **reassembly** of the finished product. Furthermore, core **balancing** and surface profile grinding of **grooves** and/or **crowns** are other available services vital for a press ready product.

Additional benefits include **compatibility testing** of inks, varnishes and cleaning solvents, provided free-of-charge by the **EUROLAB** – a highly specialized R&D team of chemists and engineers who also assist in creating **customized solutions** on a daily basis.

Pickup and Delivery Service



Roller Exchange Program



Disassembly and Assembly



Compatibility Analysis



EUROSOL Roller Shampoo



EUROCREAM Roller Conditioner



Ready-to-Print



CFK, GFK and Metal Cores



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