



SHEET-FED PRINTING



INNOVATIVE ROLLER TECHNOLOGY



EUROGRAPHIC-PRODUCT RANGE

1. INKING UNIT

1.1. MINERAL OIL INKS

Long maintenance intervals coupled with a consistently high level of printing quality are the keys to economic success in today's sheet-fed printing market. In order to meet those requirements, which have increased significantly in recent years, our Eurolab has developed – in close cooperation with printing press and ink manufacturers – the compound **EUROSET-NC**. Exceptional stability with regard to both dimension and hardness is the foundation for the success of this **New Concept** compound range.

1.2 UV INKS

Sheet fed printing presses that use only UV inks need specific roller compounds. For printing exclusively with **UV** inks the compound range **EUROSET-UV** guarantees exceptional ink transfer properties combined with an increase in service life due to its specially formulated design.

1.3 MINERAL OIL AND UV INKS

More and more often mineral oil based inks, UV inks and the hybrid inks are printed parallel to one another. The impact of switching between the above-mentioned inks can damage conventional ink rollers. The results of intensive research have led to the special compound range **EUROSET-M**. This well-balanced compound offers chemical resistance against mineral oil, UV and hybrid inks which in turn helps establish success in this type of mixed application printing.



1.4 HICKEY REMOVER

If dust accumulates on the paper during printing, dirt particles – i.e. hickies – can very quickly build up on the printing plate. A special arrangement of fibers in the compound **EUROSET-HP (Hickey Picker)** allows for a sustained elimination of those dirt particles while printing. This special hickey remover roller is used as an alternative to the first plate inking roller.

KOMORI

HEIDELBERG

1.5 INK DISTRIBUTION

The high performance covering of the product range **EUROSAN** is the basis for the covering of all distributor drums and distributor rollers. Aside from a hardness of 100 Shore A, the bluish free surface guarantees an optimal distribution of ink.



 **KBA**

 **MITSUBISHI
HEAVY INDUSTRIES, LTD.**

 **FUJI**



 **MAN
ROLAND**



2. DAMPENING UNIT

2.1 ALCOHOL DAMPENING UNIT

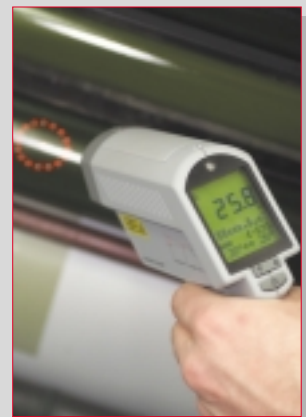
In today's printing environment, the demand for high-quality printed products is constantly increasing. Only premium quality dampening rollers are able to consistently transfer uniform amounts of dampening solution under complex modern-day printing conditions.

The compound range **EURODAMP** demonstrates outstanding results during application of dampening solutions because of its hydrophilic surface structure. During development of this compound a specific emphasis was placed on optimizing the conductivity of the dampening solution.

2.2 ALCOHOL FREE DAMPENING UNIT

The properties of dampening solutions are changing dramatically due to the elimination / distinct reduction of the amount of Isopropyl Alcohol (IPA) used. The results of these changes range from a decrease in transport qualities to an instability of the dampening solution transmission.

The dampening roller system **EURODAMP-NG**, in combination with **EURODAMP-SC**, has been specially designed for the reduction and eventual elimination of IPA. 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 maintain the necessary levels of dampening solution required for optimal printing.



3. COATING UNIT

In the Coating unit, both water-based and UV-based coatings are used. With the product range **EUROLAC** for water-based coatings and **EUROLAC-UV** for UV-based coatings, optimal compounds are made available so as to perfectly complement the type of coating used while maintaining the necessary Shore Hardness.



4. BLANKET WASHUP SYSTEM

Blanket Washup rollers with polyester based polyurethane covers can be damaged due to a loss of hydrolytic properties as a result of continuous contact with dampening solution. The product line **EUROSET-BWR** (Blanket Wash Roller) proves itself not only by its increased hydrolytic properties, but also from its impressive washup abilities.

5. WATERLESS OFFSET PRINTING

The product range **EUROSET-WL** has been specially designed for waterless offset printing. Special rubber based coverings allow for roller longevity, but even greater longevity is obtained with a newly developed Polyurethane covering of this same product range due to its superior mechanical characteristics. The special product surface is a contributing factor in achieving the extraordinary printing features in waterless offset printing.





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



Competent customer service - only a phone call away...

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