

# LotoTec® ink rollers offer higher value

## LotoTec®

- ✓ Quick and "easy to clean"
- ✓ Improved proction run
- ✓ Stable printing process, free from IPA
- ✓ Excellent printing quality



■ For a **stable offset printing process** you need an ink/dampening medium emulsion with **minimum water content**. If the water content is too high, even the slightest variation can cause serious problems, such as changes in density, tonal changes, colour spraying or unsatisfactory run clean of the printing plate.

■ The most important objective is to keep the amount of water in the **equilibrium** at the lowest possible level to ensure that it is reached **as quickly as possible** and kept as stable as possible. This reduces the amount of adjustment to the printing press needed and the risk of waste production.

■ The LotoTec® technology developed by Westland is the right answer for commercial and packaging printing and has now become a recognised product for the offset inking unit. The new **special coating** based on **fluoropolymers** provides a **water repellent surface finish** both on "hard" ink rollers (ink distributing rollers) and "soft" rubber rollers. This effect is further enhanced by the extremely low surface roughness of the rubber rollers. It minimises the area and capacity available for the retention of the dampening medium on roller surfaces.

■ The roller system that provides these advantages is eminently suitable for the generation of an **emulsion with minimum water content** and therefore optimises the process. It also offers distinct **environmental improvement**, since it is particularly suitable for **IPA-free printing**.

■ LotoTec® is a **patented coating system** for sealing metallic and elastomeric rollers. The comparatively thin coating made from a polyfluoromeric material ensures full retention of the **elastic properties** of rubber rollers and produces a **very smooth surface** when compared with conventional rollers. The coating is also exceptionally **resistant to chemical attack** with very low surface tension.

### LotoTec® System Components

➕ **WEROGRAPH®-LT**  
Ink roller coating,  
conventional offset printing

➕ **WEROUV-LT**  
for use with UV inks

➕ **LotoTec®-ETC**  
Coating for ink distribution rollers  
"Easy-to-clean"

# Discover the values of LotoTec®

Inking system with LotoTec® ink rollers  
No need for intermediate washing  
during ink changes!



Inking unit with conventional ink rollers:



## The roller system meets all important needs of the commercial and the packaging printer:

# WESTLAND

**1.** LotoTec® ink rollers are quick and easy to clean, especially when you change from dark to light ink. It is now possible to dispense with the conventional intermediate washes which reduces the consumption of detergent. During the development process, special attention was paid to the non-polluting qualities of the detergent – without detriment to the outstanding results during washing.

**2.** LotoTec® ink rollers provide a stable water/ink balance which ensures unsurpassed quality during production run. The use of IPA (iso-propyl alcohol) is no longer necessary and leads to cost savings and reduced pollution. IPA-free printing is now possible without problems.

**3.** The balance between ink and dampening agent is established quickly after every ink change and the amount of waste after such change is decreased. For users with short runs this means a significant gain.

**4.** LotoTec® rollers prevent the deposits of calcium and silicon-silicates. Because the roller surface is sealed, the roller remains free of ink deposits and pigment residue. The system is protected against undesirable water pick-up.

**5.** LotoTec® ink rollers have greater dimensional stability compared with conventional rollers and can be adjusted and set more accurately in relation to the printing plate. It is possible to achieve "kiss print" settings that may be needed for special subjects.

■ Lototec® ink rollers are the solution that offers **cost savings, productivity gains** and **environmentally optimised printing**.