

UPGRADES

Inking Roller Blowing Device with Ink Mist Extraction

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Inking unit guard with inking roller blowing device and integrated ink mist extraction.



The filter mat is easy to exchange even when the press is running.

For ROLAND 500 700 HiPrint ■ 900 ■ 900, XXL

Improve the process stability of your production through a constant ink/water balance.

Printing inks

The range of inks on the market is as varied as the applications. However, different inks absorb different amounts of dampening solution. Inks that are sensitive to dampening solution have less dampening latitude and too much dampening solution in the ink leads to piling or excessive tone value increase. These problems get even worse when printing subjects with a low area coverage or printing on non-absorbent substrates.

The ROLAND 500 prints at speeds up to 18,000 sheets per hour and with some inks these high speeds cause ink mist – very fine ink particles pollute the pressroom air. To ensure constant process stability, highest productivity and good working conditions, manroland has developed an inking roller blowing device with ink mist extraction.

Stable processes

During the printing process dampening solution emulsifies in the ink or emerges from it as free surface water. This can disturb the ink/water balance and lead to variations in ink viscosity and ink splitting which has a direct influence on print quality. The inking roller blowing device helps here by sucking in pressroom air through a filter and blowing it onto the inking rollers, thus evaporating the surface water. This increases dampening latitude considerably and process tolerance as well. As a result, a stable printing process is achievable even with sensitive inks.

A healthier and cleaner environment

Especially at high printing speeds, ink splitting can cause a mist that soils the inking unit and is a health hazard for operators. It may even be necessary for the inking unit to be thoroughly cleaned. To prevent this and ensure high productivity with optimal working conditions, the extraction system sucks the ink mist through a filter and blows the purified air out of the press.

The filters are similar to those used for an extractor hood in a kitchen and are easy to pull out sideways and replace. ■■

Advantages

- A constant ink/water balance
- Greater process stability
- Fewer waste sheets during production
- Consistently high print quality
- Less soiling of the press
- Less time needed to clean the press
- Higher production speeds
- Higher productivity
- Improved working conditions

Remarks

Upgradability depends on the series of the press. Therefore this must be checked in each case



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