

InkSave

PRODUCT DESCRIPTION

INKSAVE IS A PLC-CONTROLLED INK RECOVERY SYSTEM THAT MAKES WASH-UP QUICKER, EASIER AND MORE ECONOMICAL.

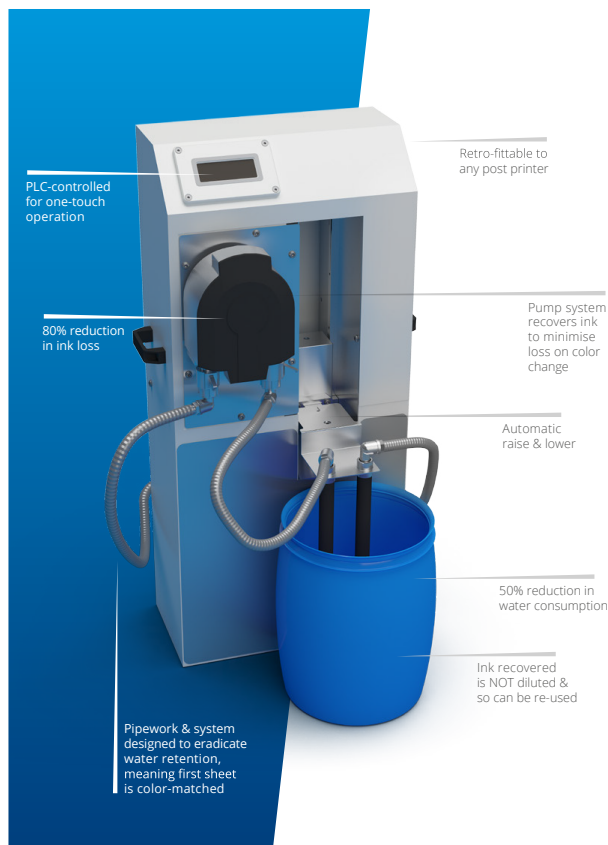
→ **80% REDUCTION IN INK LOSS**

Designed to extract the maximum amount of ink before wash-up, InkSave will reduce your ink loss by 80% and effectively halve water consumption - saving you time, money and valuable resources. With installations throughout Europe, North America and the Middle East, InkSave has proved its worth and continues to gain an impressive track record.

Most plants use ink kitchens which provide the required colour and viscosity. However, as ink circuits tend to retain surplus water from previous wash-ups, fresh ink is immediately diluted, causing production delays while color balance is corrected. InkSave, on the other hand, resolves color consistency at the outset, so the entire process runs smoothly with no color dilution and no need for adjustments. Ink loss before the system was installed was 2.6 litres per change; with the InkSave system installed it was down to 0.6 litres.

→ **50% REDUCTION IN WATER CONSUMPTION**

For each process, water is needed to replace excess ink recovered from the wash. InkSave draws this unused ink out of the chamber and ink circuit, reducing the amount of residue which needs to be washed out. Now reduced to a minimum, remaining ink can be cleansed more quickly and effectively, so reducing water volume to as much as 50%.



THE THREE INKSAVE STAGES EXPLAINED

InkSave is programmed to streamline every function, saving you time and enhancing your performance in just three stages. Many of our customers identified ink loss as a key cost which needed to be addressed. In response, we focused on this problem and came up with InkSave, a system specially designed to use less water and allow for faster wash-up, as ink from the previous process has already been emptied from the chamber. Now your entire operation will run smoothly, economically and with fewer interruptions to production.

STAGE 1 Removes and recovers ink residue from the chamber bucket for re-use.

STAGE 2 Washes the chamber, anilox pumps and piping to ensure a totally clean ink circuit..

STAGE 3 Recovers residual wash water from the system.

INK CALCULATIONS (82"/2,100mm post printer)

Ink lost per colour change:

→ 3 litres x 8,000 col changes 24,000 loss

Ink lost per colour change with InkSave:

→ 0.6 litres x 8,000 col changes 4,800 loss

SAVINGS (based on €3 per litre):

24,000 - 4,800 = 19,200 x 3 EUR 57,600 EUR

WATER CALCULATIONS

Water lost:

→ 50 litres x 8,000 col changes 400,000 loss

Water lost with InkSave:

→ 25 litres x 8,000 col changes 200,000 loss

SAVINGS

400,000 - 200,000 200,000 litres

TOTAL SAVINGS

Ink recovered from wash:

→ 19,21 x 1,5EUR (koszt odzyskania)

19,200 litres x recovery cost (€1.5) = 28,000 EUR

TOTAL INK SAVINGS

€57,600 + €28,800 86,400 EUR

TOTAL WATER SAVINGS

200l