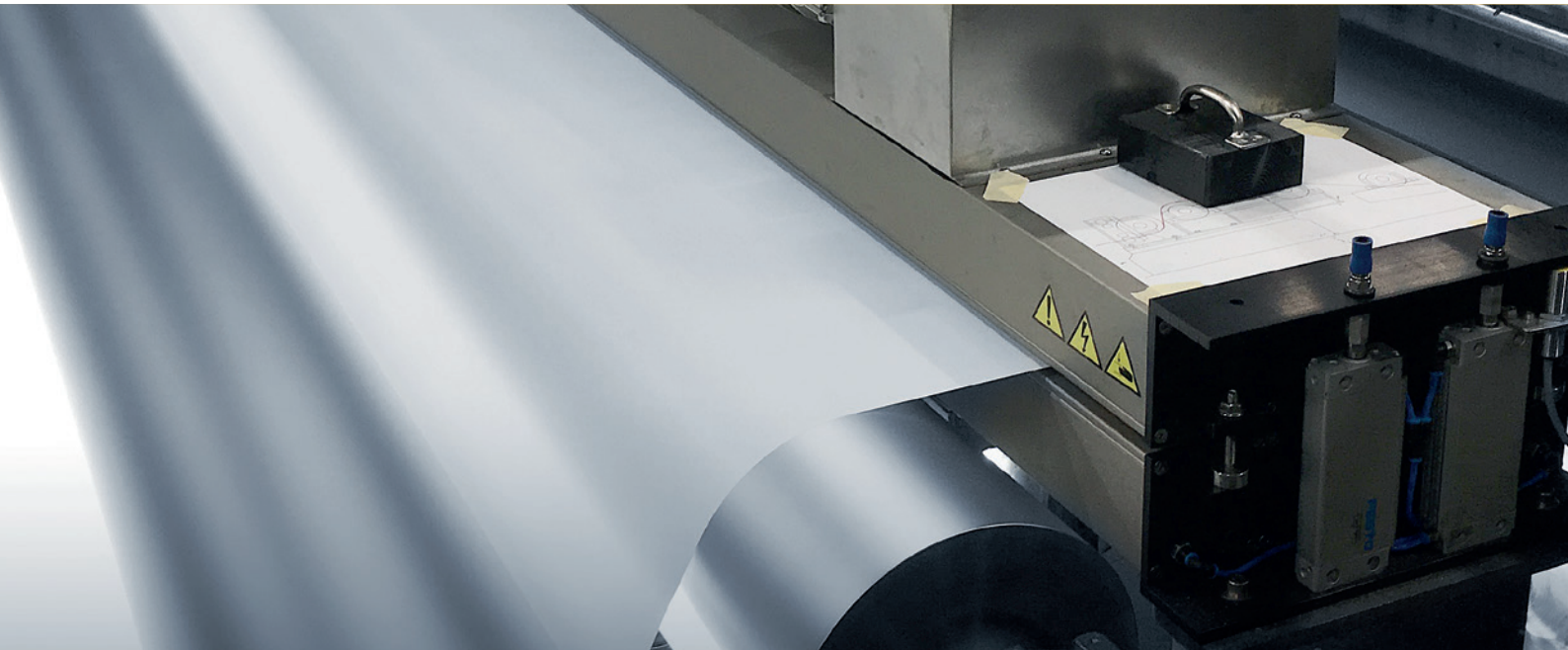


# **KELVA** INVENTOR OF WEB CLEANING

**SPECIFIC SOLUTIONS  
FOR PAPER AND SOLID BOARD.**



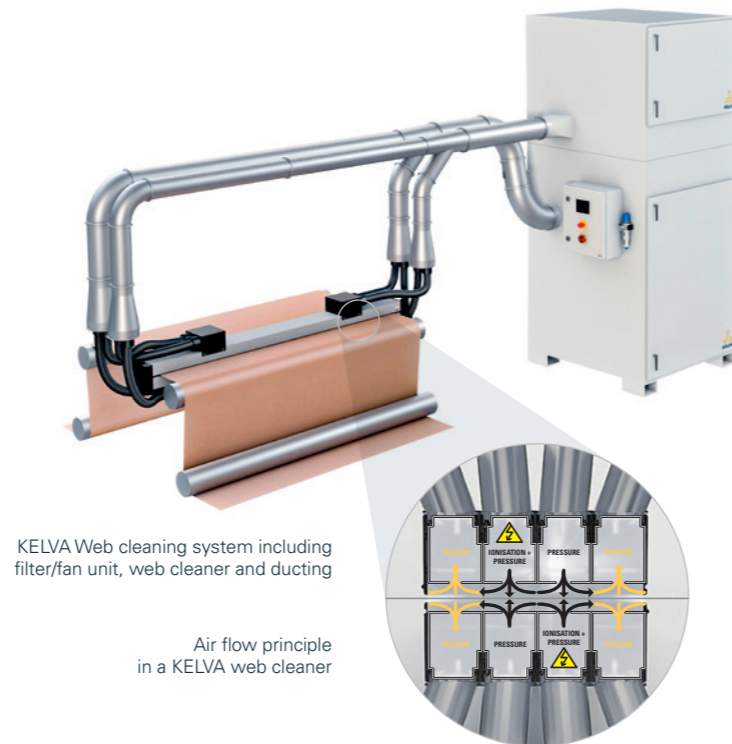
# WHY WEB CLEANING FOR PAPER AND SOLID BOARD?

KELVA developed and introduced non-contact web cleaning almost 50 years ago. Since then our main target is to improve quality on printed products and increase productivity by a reduced number of washing cycles. The KELVA web cleaning systems are widely used also in other processes such as slitting, laminating and sheeting.

Dust settles on the surface or between the material layers in the roll. This can happen during transport or storage. But dust and debris for sure occur when cutting, slitting or during wind/unwind. So all this contamination must be extracted before the material moves further to any finishing process.

For the production of multi-ply solid board, the dust-free surface is a prerequisite to ensure the bond adhesion of the board layers.

And when it comes to printing on digital machines, the printing surfaces must be 100% clean, because the printing heads and nozzles are highly sensitive to dust.



KELVA Web cleaning system including filter/fan unit, web cleaner and ducting

Air flow principle in a KELVA web cleaner

# THE KELVA CLEANFLOW NON-CONTACT CLEANER PRINCIPLE

KELVA web cleaners follow the well-known KELVA Cleanflow principle with a number of features to match high industrial demands. The systems cover web widths up to 10 m and very high web speeds.

### Features:

- Cleaning on both sides of the web
- No damage to the surface of the material
- Integrated or external antistatic device
- Circulating air flow to make use of both vacuum and blowing air for high efficiency cleaning
- Energy efficient air system reusing the filtrated air flow
- Filter with automatic jet-pulse cleaning or disposal filters
- Very low need for maintenance and hardly no need for spare parts and consumables



KELVA web cleaner model HS85 for wide webs up to 10 m

# IMPROVE YOUR PERFORMANCE

By using Kelva web cleaners in converting, cleaning time is massively saved as dust and debris can no longer accumulate. It reduces the need to clean the dewatering tank from paper sludge or to wash the blankets and extends their life. Less cleaning will extend lifetime of consumables and reduce time for cleaning.

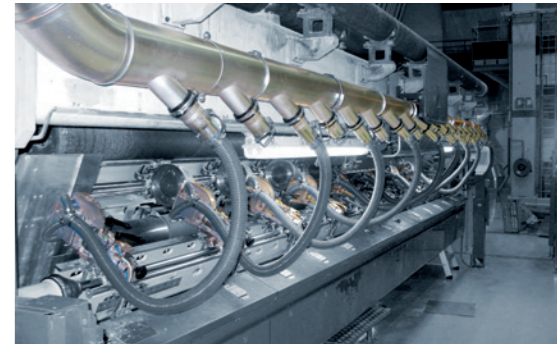
### Conventional and Digital Printing

KELVA web cleaners placed before any printing unit will ensure printing quality, increase process stability by preventing dust and loose particles from getting into the critical press parts. The number of misprints will be greatly reduced. Less washing and cleaning cycles will have a positive impact on your productivity and cost efficiency.

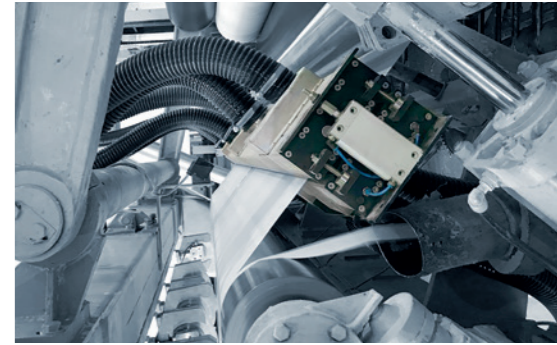
### Slitting and sheeting

The slitting process generates a lot of dust. A KELVA Cleaner placed just after the slitting knives is generally the most efficient method to keep the web clean. A clean base material is very important to ensure high quality in the laminating process. Dust and particles can cause damages to the layers.

Knife dust extraction with knife hoods and vacuum system



Cleaner installed after slitter knives and edge trim



web cleaner installed in a laminator

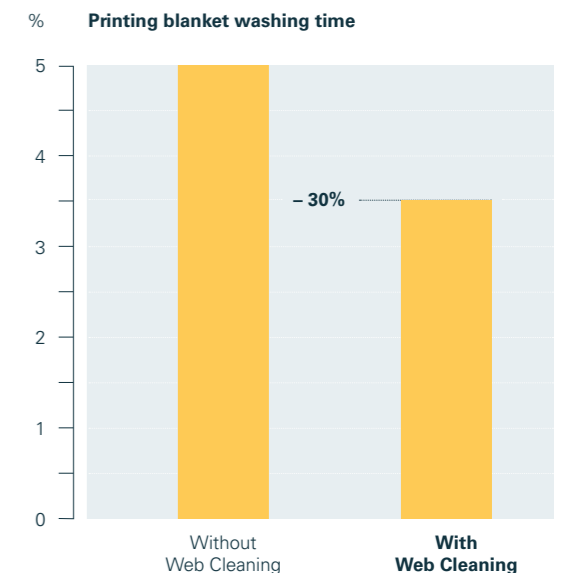


# PAYBACK IN LESS THAN A YEAR

When investing in a KELVA web cleaning system you can count the ROI in less than a year. KELVA installations have helped many customers with excellent results in quality improvements and economy.

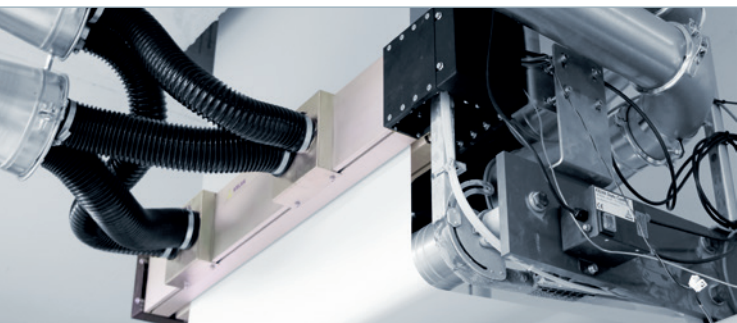
### Benefits:

- Increased productivity
- Always deliver to the highest standard regardless of quality of base material
- Reduce maintenance, cleaning and consumables
- Significant reduction of dust and particles in the work environment





# WEB CLEANING FOR PAPER AND SOLID BOARD APPLICATIONS / INSTALLATIONS



## **KELVA TL1 cleaner head**

1050 mm width and integrated antistatics equipment. Installation in a web printing machine with automatic paper web loading. With special chain guiding when switching paper width and grammage.

**KELVA web cleaner HS85**  
for a wide web slitter installation



## **KELVA filter/fan units, 2x AFF-I68**

Industrial and flexible design with automatic filter cleaning, hopper and bucket.

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