

Who needs clean board ?

Chances are, when you are printing on corrugated, you will benefit from clean sheets. Reduction in down time, removal of hickies and reduced wear to your printing stereotypes all point towards an increase in profits.

With a web cleaning system from KELVA all this can be achieved.



Efficiency in action

Improve environment

The corrugated industry is not particularly clean by nature. With high amounts of cutting and slotting taking place in most plants, it comes as no surprise to find that one of the biggest problems that printing machinery operators face can be dust and particle contamination on the sheet - resulting in hickies. With increasing pressure on boxmakers from customers to produce top quality work with little room for error, one area in the production chain that should be examined is how to keep the board clean.

Where is it coming from ?

One of the main stages in production that causes the highest volume of waste and dust particles is the slitter scorer. It therefore makes a great deal of sense that the KELVA web cleaning system is installed after the slitter scorer.

As an option for maximum performance, separate cleaning heads can be installed after cross-cutting. The system can be fitted in a new corrugator, or alternatively easily retrofitted to most existing machines.

Reduce downtime

Modern printing equipment requires regular cleaning to ensure that dust and particles are cleaned from the machine. This also helps reduce wear on the printing plates. With a cleaner sheet, the number of wash-ups can be reduced - this in turn increases the life of the printing plates and reduces the amount of cleaning solvents used. Better for your operating costs and better for the environment.



One cleaning head per web is all that is needed.

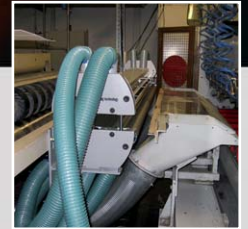
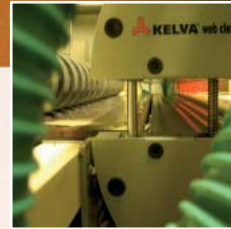


Quick pay-back

When investing in a web cleaning system from KELVA you can normally calculate with a payback on the equipment less than 12 months. For example, working on a double shift pattern. Operating 4 flexo converting lines, you can easily remove the need for at least 2 wash-ups per day per machine, equating to 80 minutes per day of up-time. This means over 330 hours of production time per year is used producing boxes instead of washing up. The numbers are simple and the results speak for themselves, not only in terms of a return on investment, but more importantly the improvement in performance on each converting machine.

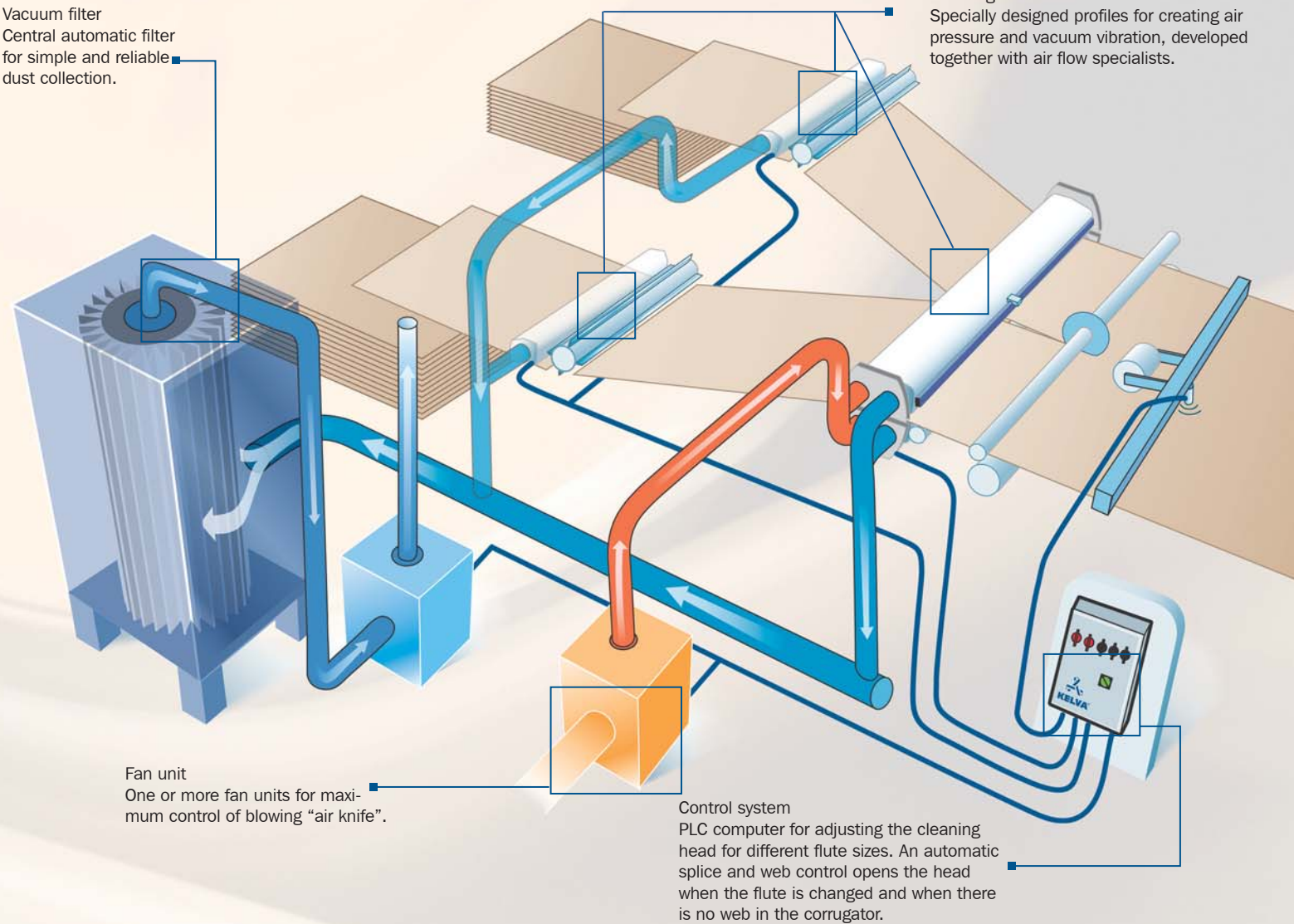
Who needs clean sheets ?

Anyone interested in reducing downtime, improving quality of print and adding to the bottom line should certainly look at the KELVA web cleaning technology.



Vacuum filter
Central automatic filter
for simple and reliable
dust collection.

Cleaning head
Specially designed profiles for creating air
pressure and vacuum vibration, developed
together with air flow specialists.



Fan unit
One or more fan units for maxi-
mum control of blowing "air knife".

Control system
PLC computer for adjusting the cleaning
head for different flute sizes. An automatic
splice and web control opens the head
when the flute is changed and when there
is no web in the corrugator.

In-line synchronised operation

The KELVA non-contact web cleaning system for double sided cleaning consist of web cleaning head with passive or active anti-static equipment, a filter fan unit, a dust collecting filter and a control unit. The corrugated board is neutralised by the discharger. Then air blown through the head breaks up the boundary layer on both sides of the web. Dust and particles are shaken loose and sucked up through the head to be collected in the filter. The board emerges clean. The KELVA web cleaning system can be controlled via PLC interface with the corrugator's central control centre or as a stand-alone unit. The system adjusts automatically for different flute profiles and machine stops.

Why choose Kelva?

KELVA's web cleaning system for corrugated board is specially designed for maximum efficiency, low maintenance and full synchronisation with the press.

Benefits:

- All board is cleaned on the corrugator, ensuring a supply of clean board for converting
- Downtime for cleaning of the printing machines can be reduced considerably
- The number of rejects will be reduced, as will material waste during production
- Premature plate wear can be controlled
- A cleaner working environment





KELVA® web cleaning concepts and diaphragm pumps for graphic media are distributed to customers all over the world. We hold a unique combination of broad international experience and extensive process knowledge. Safe and reliable production are key words for all our products and services supplied. Through our worldwide network of distributors we can guarantee full customer satisfaction when it comes to solutions based on individual needs.

AB KELVA is a member of the Swiss company group Chromos AG, a strong and well-known supplier to the graphic arts industry in central Europe. Chromos AG also forms strategically important part in our global network.

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