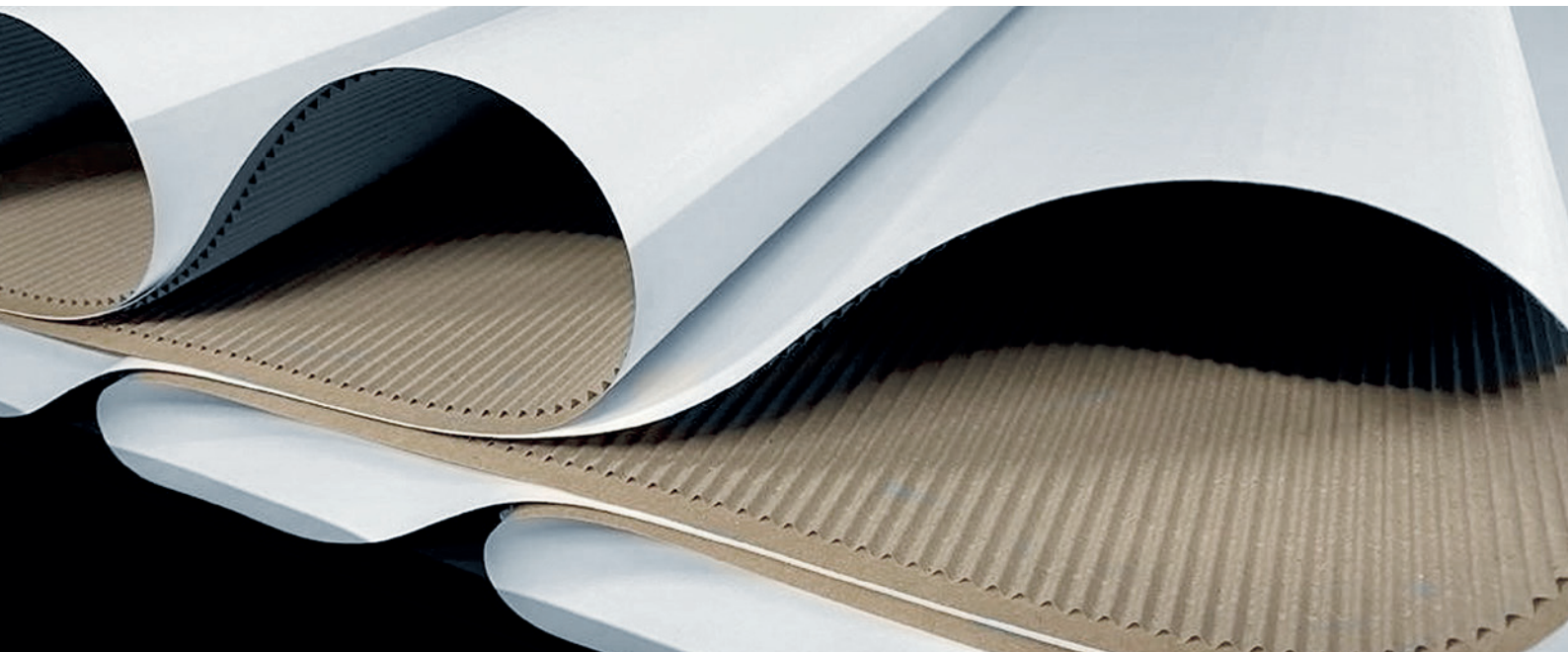


KELVA INVENTOR OF WEB CLEANING

**SPECIFIC SOLUTIONS
FOR CORRUGATED BOARD.**

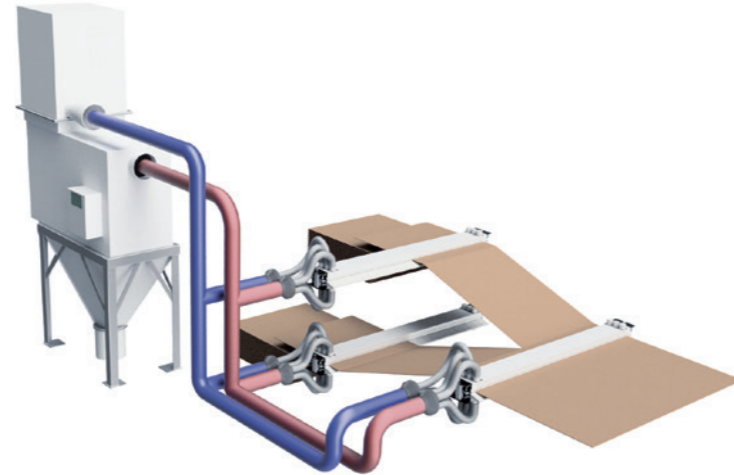


WHY WEB CLEANING FOR CORRUGATED?

The corrugated industry is not particularly clean by nature, and it comes as no surprise that dust and particle contamination is one of the biggest problems.

A big part of these issues can be solved already in the slitter/ scorer process, where a lot of dust is generated. For max performance cleaners can also be installed after the cross-cutting.

A KELVA web cleaning system is always designed to act at the source of the problem and can be implemented in new corrugators as well as retro-fitted in most existing machines.



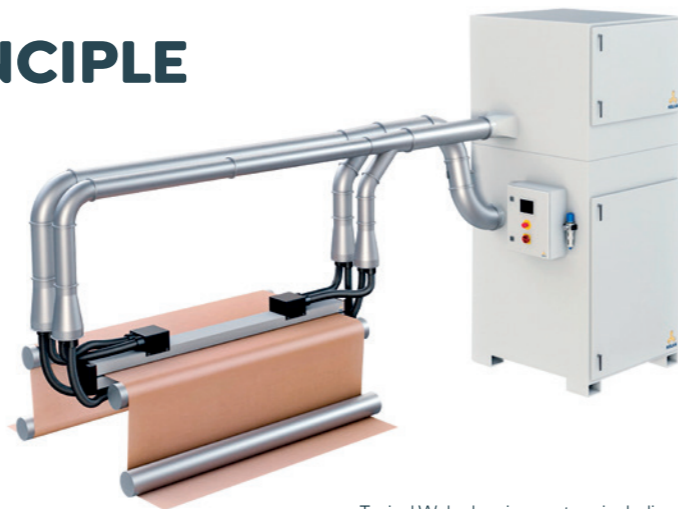
Complete system with web cleaners located at slitter/scorer and cut-off all connected to a common filter/fan unit

THE KELVA CORRUCLEANING PRINCIPLE

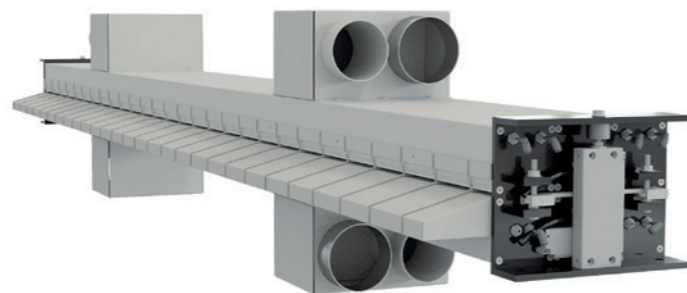
KELVA web cleaners for corrugated board are developed from the well-known KELVA Cleanflow principle with several features to match the industrial demands from corrugated industry. Systems are standardized for capacities to cover widths of 1800 – 10000 mm and web speeds up to 500 mpm.

Features:

- Cleaning on both sides of the web
- Inlet guide and grids to ensure the web passage through the cleaner
- Gap adjustment to adapt to different flute-types
- Integrated antistatic device
- Circulating air flow to make use of both vacuum and blowing air for high efficiency cleaning
- Energy efficient air system recirculating the filtrated air
- Filter with automatic jet-pulse cleaning
- Very low need for maintenance and hardly any need for spare parts and consumables
- Can be connected to existing waste handling systems



Typical Web cleaning system including Web cleaner, filter/fan unit and duct system

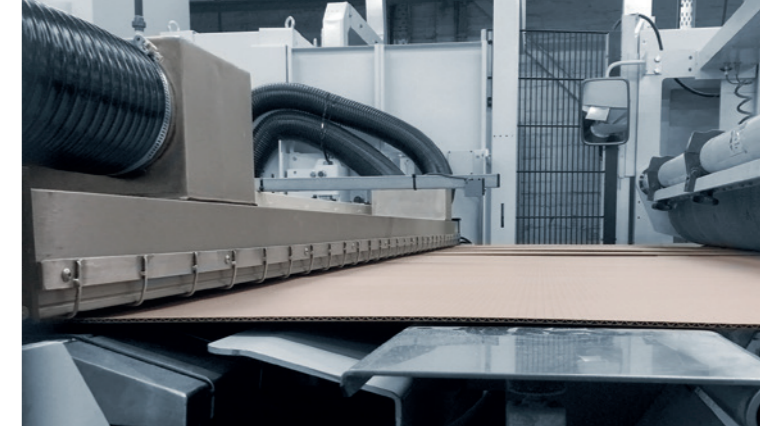


KELVA corrugated cleaner ST85CC including infeed and grid

IMPROVE YOUR PERFORMANCE

Benefits:

- Increased productivity
- Achieve highest standards, regardless quality of base material
- Reduce maintenance, cleaning and consumables
- Significant reduction of dust and particles in the working environment
- No risk for damages on material due to non-contact cleaning principle



Boards passing through the cleaner after slitter/scorer

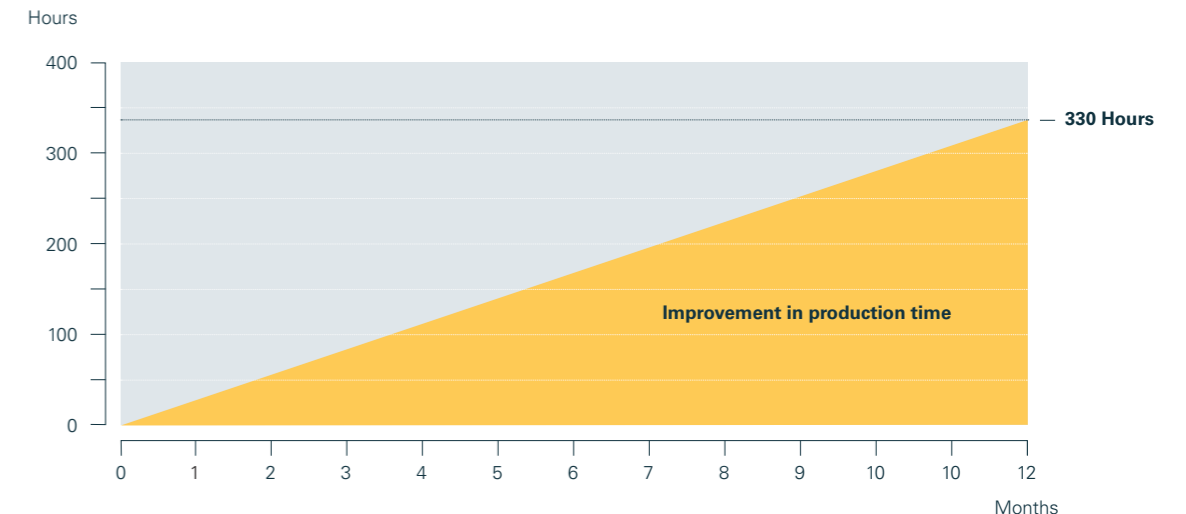
KELVA filter/fan unit AFF-I42 with waste handling connected to a central system

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:

- Large improvement in production hours
- High reduction of wash cycles for printing processes
- Less cost for maintenance
- Less rejection



WEB CLEANING FOR CORRUGATED APPLICATIONS / INSTALLATIONS

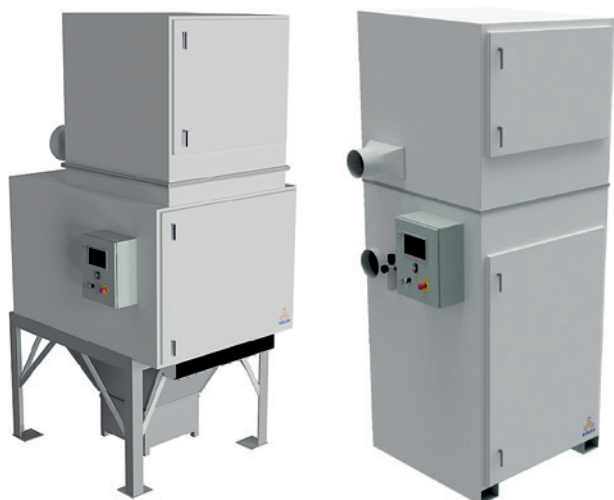
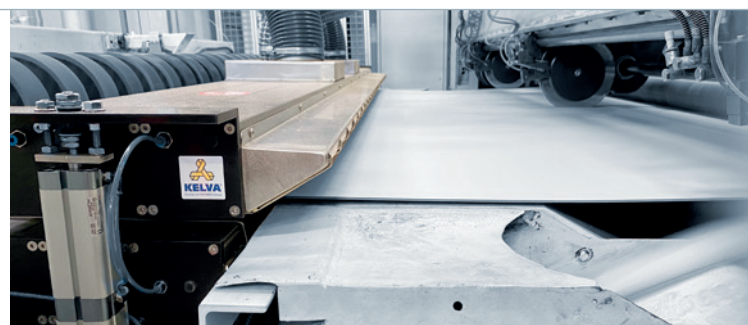


KELVA Corrugated web cleaner

Overview of a KELVA installation on 2,8 m corrugator. Filter/fan unit model AFF-I68 connected to a ST85CC cleaner and additional exhausts.

KELVA Corrugated cleaner ST85CC

At slitter/scorer position with inlet guide and grid as well as pneumatic open/close. With automatic gap adjustment.



Filter/Fan units

Automatic filtercleaning. Compact, design and small footprint. Flexible design according to local possibilities

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