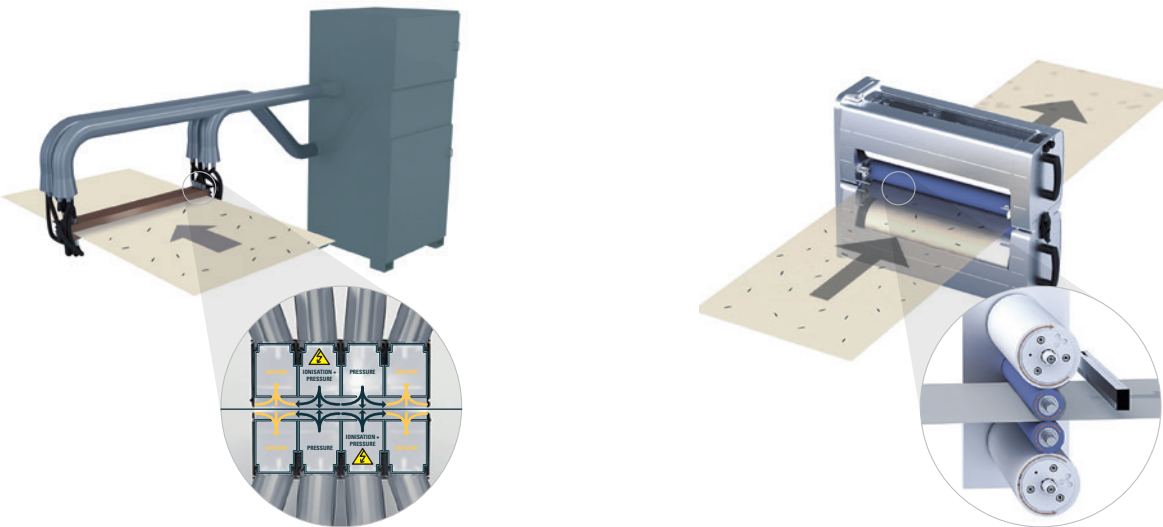


WHY WEB CLEANING?

Contamination of a moving web can be caused by the environment, the process itself or needed operations. Debris, such as particles, fibers and even foreign objects can influence quality and customer satisfaction as well as health and safety. From the smallest particles that interfere with cleanroom environments to larger fibers that cause quality issues, such as poor printing quality or even rejects, web contamination is not an easy problem to solve. Physical phenomenon's, such as electrostatic charging and boundary layers, do make the solution even more of a challenge.

Since more than 50 years KELVA is a pioneer in web cleaning and the leading supplier of web and sheet cleaning equipment. Specific solutions for corrugated board, tissue, non-woven, film, glass, glass fiber, printing (among others) assure you of the best web cleaning solution for your application. Over 7000 installations worldwide show that KELVA is a proven partner for dust and contamination free production. KELVA's web cleaning systems are developped, engineered and produced in Switzerland and Sweden.

CLEANING TECHNOLOGIES



NON-CONTACT CLEANING

Cleaning method for relatively high dust load and sensitive webs where no contact with the material is allowed. Typical applications are converting, printing, and materials like non-woven, tissue, paper and glass fiber.

A KELVA non-contact cleaning system includes a web cleaner with integrated antistatics, a filter/fan unit and connecting duct system. There is no contact to the web or interference on guiding and tension.

CONTACT CLEANING

Cleaning method for applications with high demand on cleaning efficiency, like e.g. film and non-fibrous materials. A typical application is label printing.

The KELVA contact cleaners contain a special polymer roller for close contact to the web picking up almost 100% of all particles from the web passing through the cleaner even at low pressure. The particles are transferred to a sheeted adhesive roller from which sheets easily can be torn off when required.

APPLICATIONS

MATERIALS

Paper

Film & Foil

Fabrics

Non-Woven

Glass Fibre

Tissue

Solid Board

Corrugated

Glass

DUST TYPES

- Cutting Waste
- Lint & Fluff
- Powder
- Fibers
- Dust

DUST-GENERATING PROCESSES

- Slitting
- Scoring
- Cutting
- Trimming
- Winding
- Coating

SOLUTION DESIGNS

COMMON INFLUENCING ASPECTS



CONTACT CLEANING

- Highest cleaning efficiency
- Non-fibrous materials such as coated paper, film, foil
- Web widths up to 2.5 m
- Web speeds up to 400 m/min

NON-CONTACT CLEANING

- High dust loads
- Almost any material, but especially for sensitive webs such as non-woven, tissue, textiles, glass, glass-fiber
- Web widths up to 10 m
- Web speed up to 1500 m/min

FEASIBLE WEB WIDTH

From 20 cm to 10 m

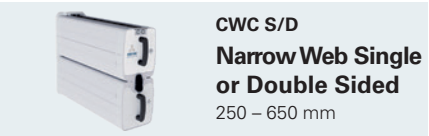
ADVANTAGES

- Up to 40% Higher Productivity
- Up to 50% Less Waste
- 1 year Return on Investment
- Healthier and Safer Workplace
- Increased Machine Lifetime
- Simple Integration, no Speed Loss

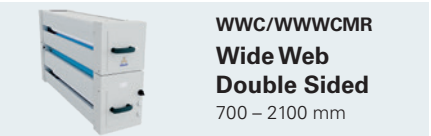
CONTACT CLEANERS



LC/LCW
Single Sided
250 – 2500 mm



CWC S/D
**Narrow Web Single
or Double Sided**
250 – 650 mm



WWC/WWWCMR
**Wide Web
Double Sided**
700 – 2100 mm

NON-CONTACT CLEANERS

NARROW WEB, 150 – 800 MM



SL1M
**Reference
Solution**
Ideal for most
applications,
250 – 800 mm



BR45
**Label Printing &
Converting**
150 – 650 mm



BR43
Wall Mounting
150 – 400 mm



TCC
Tissue Converting
250 – 800 mm

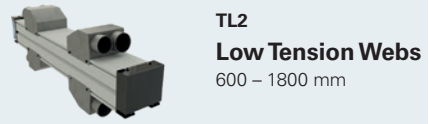
MEDIUM WEB, 600 – 2000 MM



TL1
**Reference
Solution**
Ideal for most
applications,
600 – 1800 mm



HS65
Highly Modular
High technical adapta-
bility, 800 – 2000 mm



TL2
Low Tension Webs
600 – 1800 mm



HS65BT
**Sticky Dust &
Fast Webs**
800 – 2000 mm



HS65GC
Glass Cleaning
800 – 2000 mm



SL1
**Sensitive
Surfaces**
600 – 1600 mm



SL2
**Low Tension Webs
w. Low Clearance**
600 – 1600 mm



ST65
Heavy Boards
600 – 1600 mm

WIDE WEB, 1500 – 10 000 MM



TLX
**Reference
Solution**
Ideal for most
applications,
1600 – 4000 mm



HS85
Highly Modular
High technical adapta-
bility, 1600 – 10 000 mm



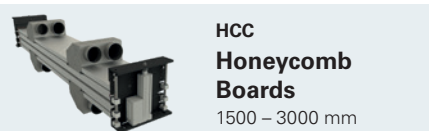
ST85CC
Corrugated Board
1500 – 2800 mm



HS85GC
Glass Cleaning
1600 – 5000 mm



HS85BT
**Sticky Dust &
Fast Webs**
1600 – 10 000 mm



HCC
**Honeycomb
Boards**
1500 – 3000 mm



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- KELVA Offices
- KELVA Partners

KELVA – part of CHROMOS Group

Swiss based CHROMOS Group is a leading solution provider for the graphic arts industry; packaging industry; food and beverage industry; photo, film and broadcast industry; medical and pharmaceutical industry as well as manufacturing industries.

KELVA INVENTOR OF WEB CLEANING

**SPECIFIC SOLUTIONS FOR
CORRUGATED BOARD, TISSUE, NON-WOVEN,
FILM, GLASS, GLASS FIBER AND PRINTING.**

