



At K 2019 Eltex presents innovative electrostatic systems for process optimization

For more than 60 years, Eltex has been focusing on specifically targeting the use of electrostatics to optimize production processes and removing it where it has unwanted consequences. Electrostatic systems from Eltex enable higher production speeds, significantly increased quality, reduced energy consumption, fewer faults and minimized downtimes and spoilage in the entire field of the plastics industry, with a focus on converting, injection moulding and packaging.

FOKUS > Eltex Cleaning Systems

Effective cleaning, dedusting and discharging with Eltex Ion Blower Nozzle Technology. Interfering particles, dusts and electrostatic charging in the production process are removed from various surfaces.

We also present:

NEW > Eltex POWER CHARGER

The new generation of high voltage generators for all charging applications. With intelligent control software for more process reliability and intuitive LCD touch display for individual settings.

NEW > TERRALIGHT

The battery-operated device for safe monitoring of ground connections when handling hazardous materials.

NEW > MISTING TACKER System

For preventing ink mist in silicone coating applications.

Our further portfolio includes:

- > Efficient Discharging systems
- > Powerful Charging systems
- > ESA Printing Assist systems for packaging printing
- > Remoistening systems for heatset-/digital printing

Learn more about Eltex at K 2019 in Düsseldorf, October 16-23, 2019, hall 10, stand H38.



Download the images in print quality:

http://transfer.qu-int.com/eltex/Eltex_K19_PR.zip



Eltex focus at K 2019: Effective cleaning and discharging with Ion Blower Technology

Static charges in production processes mean serious disruptive factors, as dust, particles and dirt are attracted by the static charge in the environment, are deposited and thus severely disrupt the production process.

Eltex electrostatic cleaning systems optimize production by removing interfering particles, dust and electrostatic charges from a wide variety of surfaces with the use of compressed air. Effective cleaning and discharge ensures higher production speeds, improved product quality, minimized spoilage and personal safety during assembly work. They provide the basis for a smooth-running production process.

Eltex cleaning systems are already used in many industrial sectors: In the **plastics industry** for the cleaning of 3D plastic parts in **screen or tampon printing**, for the cleaning of tools and/or plastic moulded parts in **injection moulding**, in the **furniture industry** for the cleaning of laminate and raw boards, in **painting** for the cleaning of car parts before painting, in the **electronics and semiconductor industry** for circuit board production (camera lens systems, sensors), in **film and packaging production**, for the cleaning of product carriers/workpiece carriers and in many other production areas.

Even where cleaning is not the primary concern, Eltex cleaning systems support reliable production processes, for example in ESD protection or exact sheet guiding in the printing industry.

The spectrum ranges from **stationary systems** with ion blower nozzles for smaller, precise cleaning of surfaces to the SCC **cleaning station** for larger distances and better cleaning performance thanks to rotating nozzles. Eltex also offers **manual systems** using blow pistols and nozzles to cleaning small 3D parts to large components (bumpers, film wraps, etc.). Eltex also offers solutions for **Ex areas**.

You will find the Eltex Cleaning systems for a wide range of applications on the following pages.



Higher performance - greater range: Eltex Cleaning Systems

Ion blower systems for electrostatic cleaning, dedusting and discharging of highly sensitive components. The emission tips are surrounded by the airflow and generate an ion-enriched discharge cloud. The effect: disturbing particles, dusts and electrostatic charge from the most diverse surfaces are removed.

- › Stationary ion blower heads for fixed installation – **Eltex R36 and R55**
- › Flexible ion blower pistols, also for the use in EX-areas – **Eltex PR36, EXPR50**
- › Cleaning station with rotating nozzles and suction hood – **Eltex Static Combi Cleaner SCC**
- › Air-supported discharge bars for larger widths – **Eltex flexION air R60L**
- › Suitable power supplies with 24VDC or 230VAC supply voltage and 2 to 5 connections – **Eltex ES24 and ES51**



The Stationary Cleaning Systems

Ion blower nozzles for surface and pinpoint discharging and cleaning - with air support for long distances.

- › **Eltex R36 und R55** – Ion blower heads for stationary installation



R36AF



R55RL6S

Further information
about ion blower
systems on
www.eltex.com





The flexible Eltex Cleaning systems

Ion blower pistols and nozzles for cleaning small 3D parts to large components (bumpers, film wraps, etc.). Eltex also offers solutions for **Ex areas**.

- **Eltex PR36** – Ion blower pistol with and without balancer
- **Eltex EXPR50** – safe cleaning and discharging in Ex-area



PR36



EXPR50



PR36/E

Further information
about ion blower
systems on
www.eltex.com



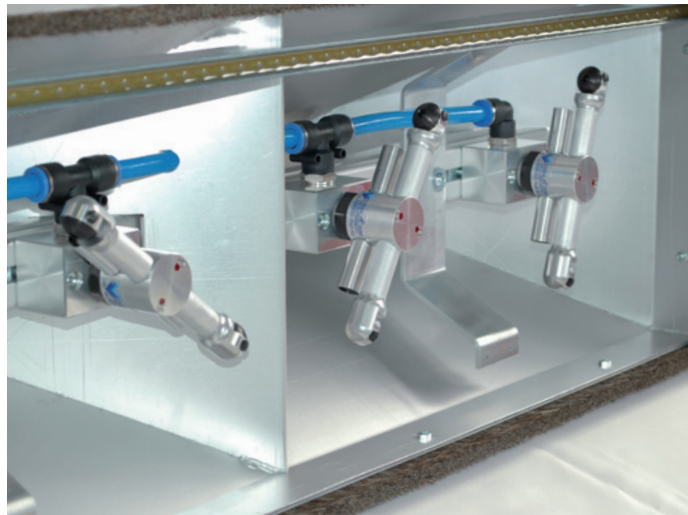


The dynamic Eltex Cleaning system

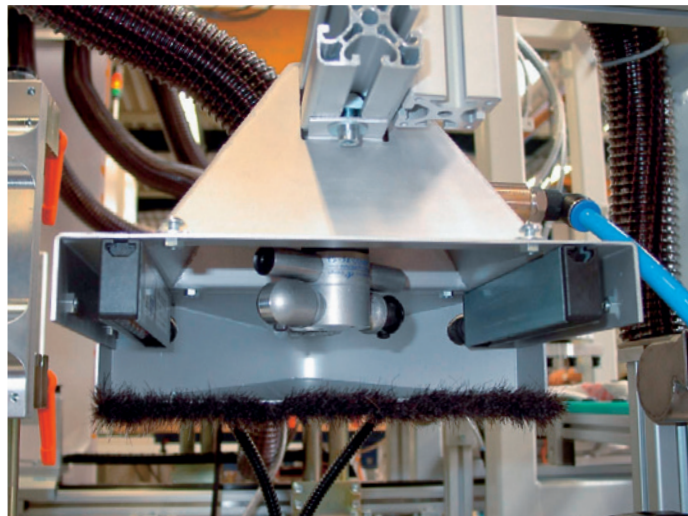
Speed-controlled, dynamic ionizing blowing station for contactless cleaning for complex requirements - with or without suction housing.

› Eltex Static Combi Cleaner SCC

Cleaning station with rotating nozzles and suction hood



Static Combi Cleaner SCC



Static Combi Cleaner SCC with suction hood

Further information about
Static Combi Cleaner
on www.eltex.de

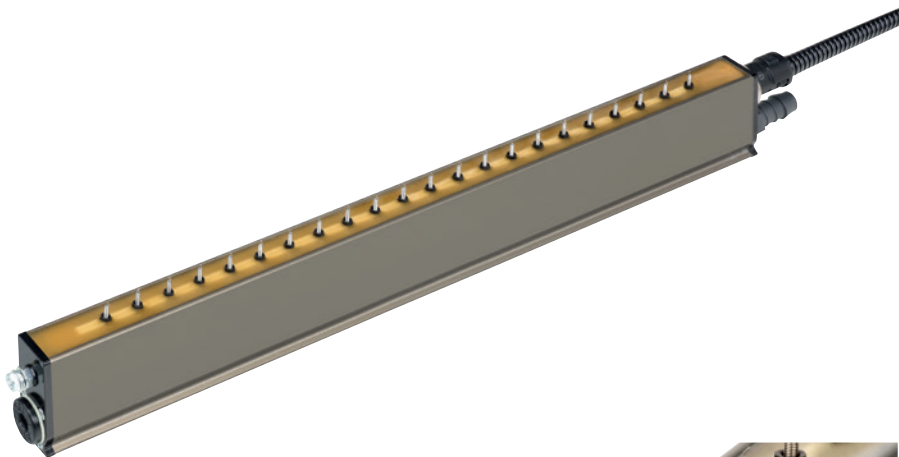




Air supported discharging bar for larger widths - Eltex flexION air

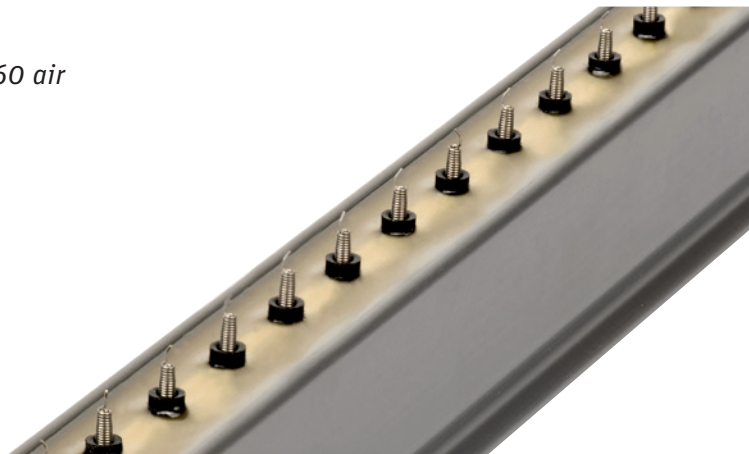
The newly patented AC discharging bar with a freestanding airsupported spring tip achieves a very high passive discharge effect, which enables active operation even at a low level of high voltage AC. A small amount of air can be blown through the hollow spring tip to increase the range and to continuously clean the emission tips.

> flexION R60 air



flexION R60 air

Detail



Further information
about Eltex flexION
on www.eltex.de





Efficient Eltex discharge power supplies

Power supplies for the Eltex discharging components operated with AC voltage in non-Ex and Ex-area..

- **Eltex power supplies** for AC discharging in various
- performance levels and adjusted to the customer application



Power supply ES51



Power supply ES24/O Compact Power

Further information
about Eltex power supplies
on www.eltex.de





Eltex POWER CHARGER – A new generation of high-voltage generators

The POWER CHARGER generators are suitable for all charging applications. Equipped with a new touch display, operation is simple and intuitive. The intelligent control software regulates power values extremely quickly and reliably. Load changes are detected in the millisecond range and the output power is adjusted by automatic power derating. This increases process reliability and the service life of the electrical components. An optionally integrated discharge unit is also available.

> POWER CHARGER PCSC



POWER CHARGER PCSC

Further information
about POWER CHARGER
on www.eltex.de





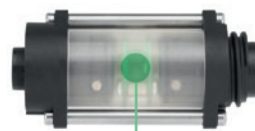
Eltex Grounding Systems: TERRALIGHT for safe monitoring of containers

The mains-independent **TERRALIGHT** ensures a high level of safety also in manual operations: It checks whether the grounding contact transmitter is conductively connected to the object to be grounded and whether it is itself connected to the potential equalization. This ensures that static charges are safely dissipated. The correct ground connection is indicated by a green light.

> TERRALIGHT



TERRALIGHT_1.jpg



TERRALIGHT_2.jpg



Further information
about **TERRALIGHT**
on www.eltex.de

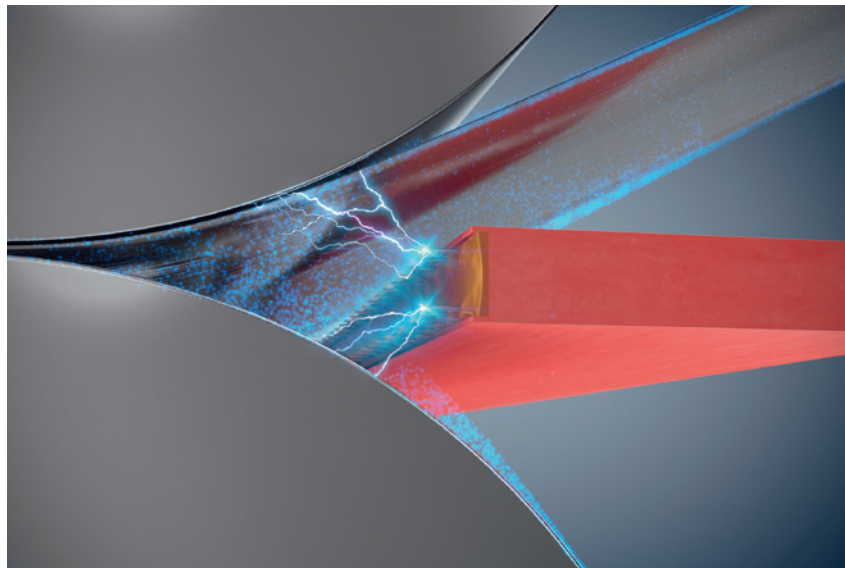




MISTING TACKER system: Anti-Misting system for Silicone Coating

During coating processes, so-called ink mist or particle mist arise in the outlet of double-roll systems. A patented double-row DC plasma electrode is used to prevent this particle mist and thus ensures an optimum ink application.

- **MISTING TACKER**
(Distribution via Polytype Converting)



DC-Plasma-electrode

Further information
about Eltex **MISTING TACKER**
on www.eltex.de





Eltex Top Class Discharge systems

Eltex discharging bars for different designs, aligned for different ranges, production speeds and connected loads



Further information about Eltex discharging bars on www.eltex.de



Die Eltex Power Supplies for AC discharges in various performance levels and adapted to the customer application



Power supply ES51



Power supply ES24/O Compact Power

Further information about Eltex power supplies on www.eltex.de





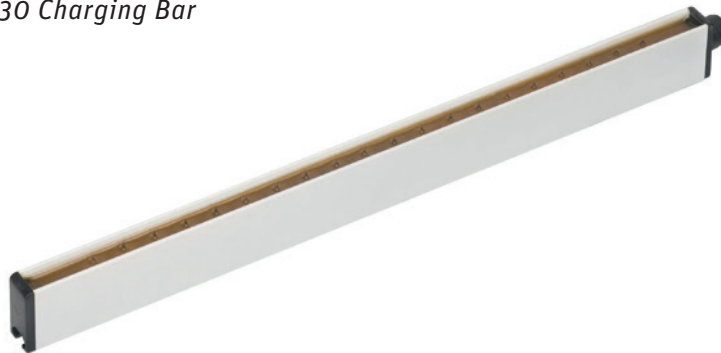
Eltex Top Class Charging systems

The Charging Bars

Powerful Eltex charging bars in different designs, aligned on the most diverse production processes



R130 Charging Bar



R120 Charging Bar



R23ATR Point Charging Bar

Further Information about
Eltex charging bars
on www.eltex.de

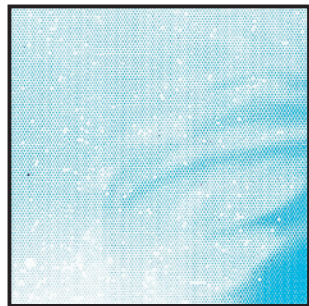
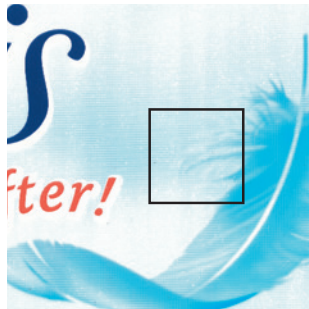




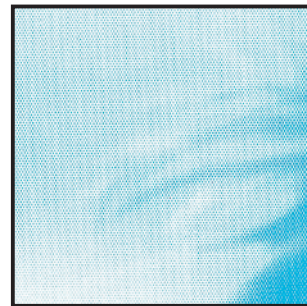
Eltex Printing Assist systems in Gravure Packaging Printing

The ESA printing assist systems guarantee optimum ink transfer on flexible materials. This results in a very high print quality in packaging and decorative gravure printing.

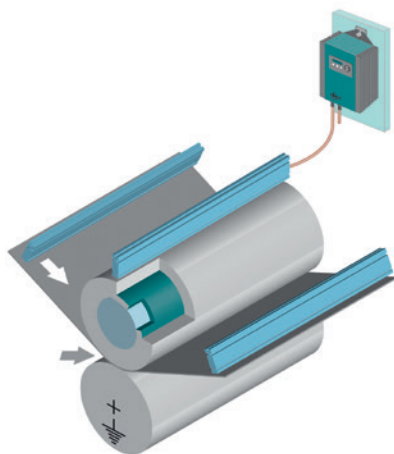
- > ESA GNH61
- > ESA GNN75



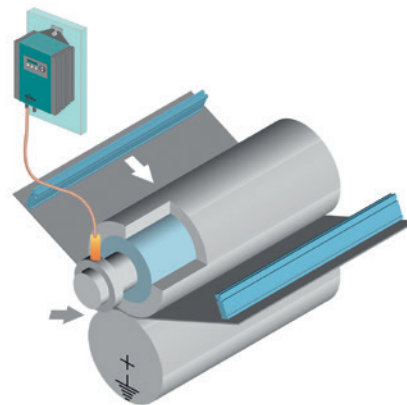
without ESA: Missing Dots



with ESA: Missing Dot-free ink transfer



*Top-Loading
ESA GNH61*



*Direct-Charging
ESA GNN75 / ESA GNN75S*

Further information about
Eltex Printing Assist systems
on www.eltex.de



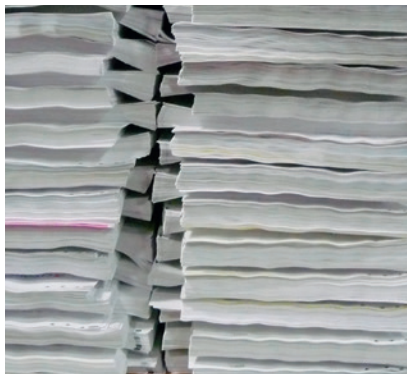
NEWS



Electrostatic Remoistening systems - Eltex DIGIMOISTER 1500 and WEBMOISTER 3000

In printing, paper loses moisture during drying. This leads to considerable quality and efficiency problems. The Eltex electrostatic remoistening systems precisely controls the water content in the paper and thus improves the quality and productivity throughout the entire process chain.

- > **DIGIMOISTER 1500**
- > **WEBMOISTER 3000**



*waviness
(without remoistening)*

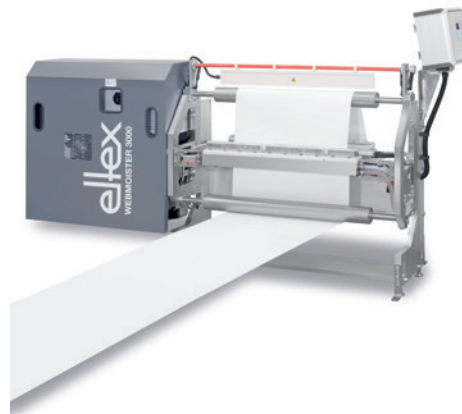


*perfect flatness
(with remoistening)*

Remoistening.jpg



*DIGIMOISTER 1500
in digital printing*



*WEBMOISTER 3000
in heatset-web offset printing*

*Further information about
Eltex remoistening systems
on www.eltex.de*





Eltex_1.jpg

Eltex-Elektrostatik-GmbH, founded in 1953 in Weil am Rhein, Germany, is a leading manufacturer of electrostatic systems.

With its successful, more than 65-year history, the innovative company's intelligent solutions have become established in numerous branches of industry. A global presence is provided by an international sales network of 50 agencies.

For additional information about the company, please visit www.eltex.de or contact Mr. Marc Rechberger, Sales Manager Static Control, marc.rechberger@eltex.de.



eltex

electrostatic
innovations

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