news

At ICE Europe 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.

NEW > Eltex POWER CHARGER
The new new generation of high-voltage generators for all charging applications. The LCD touch display with intuitive operation enables the display of actual values and process data, the configuration of parameters, the display of error/warning messages and much more.

NEW > Eltex flexION air
The new AC discharging bar with freestanding and air-supported spring tips for higher discharge ranges at the lowest possible operating voltage.

NEW > MISTING TACKER System
For preventing ink mist and for optimal particle deposit on the substrate in silicone coating processes. (Distribution via Polytype Converting)

We also present:

- **Powerful Eltex Charging systems**
- **Efficient Eltex Discharging systems**
- **Eltex ESA Printing Assist systems**
- **Eltex Remoistening systems**

Learn more about Eltex Electrostatic Innovations at ICE Europe 2019 in Munich/Germany, Hall A5, Stand 1250.

Download the images in print quality:
http://transfer.qu-int.com/eltex/eltex-ICE19.zip

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

news

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

Higher quality, less energy consumption, faster production thanks to fewer disruptions, less downtime and less spoilage. Electrostatic charging does not always have negative consequences; when used for specific purposes it is downright useful in many areas. It is great to see that Eltex is setting new benchmarks in charging technology.

User safety has been re-examined during the development of the POWER CHARGER. The generator will also be available in performance level D in the future. An entirely new plug system enables simple, secure contact with the inserted bars. Continuous refinement is bringing hardware and user protection to a higher level with each step.

Features

- Smart software control system
- 30 kV or 60 kV output voltage
- 24 V DC or 85 V – 265 V supply voltage
- 75 W or 150 W power
- Automatic power derating
- Analog interface
- LED status display
- UL certification

Optional

- Touch-Display
- Fieldbus interfaces
- Performance level D
- Configurable arc detection
- Access recording
- Integrated discharge unit

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

news

Versatile. Compact. Powerful.
Eltex flexION/flexION air discharging bar

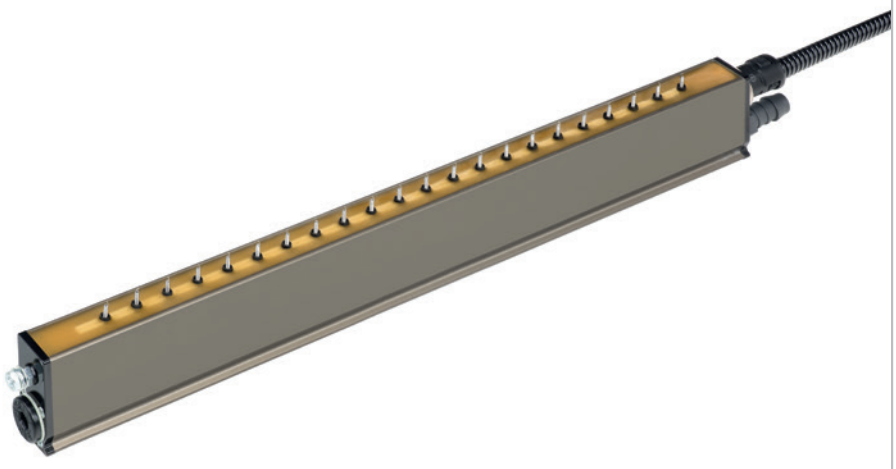
The newly patented AC discharging bar with a freestanding air-supported spring tip achieves a very high passive discharge effect, which enables active operation even at a low level of high voltage AC. A small amount of air can be blown through the hollow spring tip to increase the range and to continuously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

Uniquely efficient from close to wide range

The new flexION Eltex bar features excellent discharging results at low and maximum speeds. The special feature here is that the discharge performance remains constant from short distances up to large ranges. It is exactly this wide-ranging performance that characterizes the flexION as the only discharging bar in the world that can be used in different geometric situations – even in narrow, grounded machine environments.

Advantages

- flexible, freestanding emission tips with new resistor technology
- integrated air duct with flexION air
- wear-protected emission tips
- excellent discharge performance at close and wide range
- high range at the lowest possible level of high operating voltage
- increased ion production using the same voltage
- versatile use in narrow and grounded machine environments

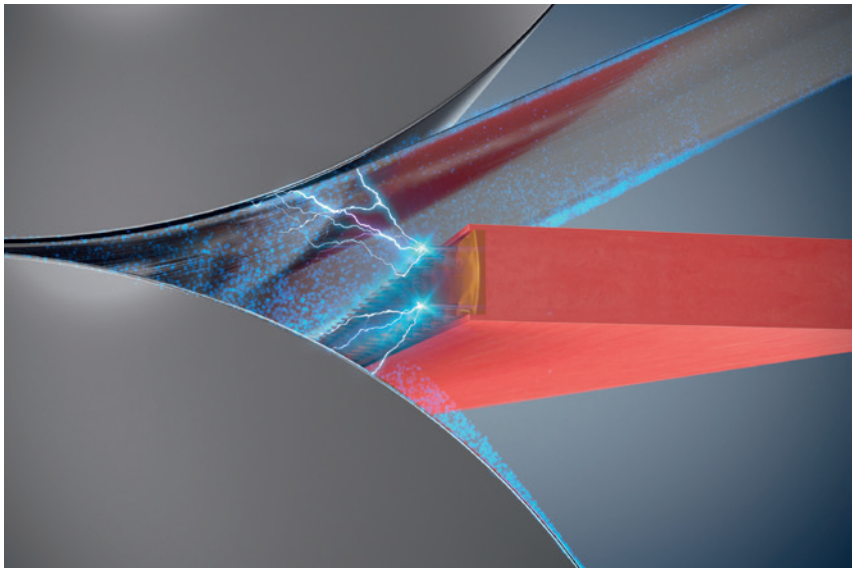


Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

news

Eltex MISTING TACKER for preventing ink mist and for the optimal particle deposit in printing and coating units

During printing and coating processes, so-called ink mist or particle mist arise in the outlet of double-roll systems. This unwanted particle deposit results in lower product quality, high maintenance costs, increased ink consumption and the contamination of the environment. The formation of ink mist is very noticeable and annoying, particularly during coating and printing processes on substrates with non-absorbent surfaces (films, metalized substrates or composite films).



A patented double-row DC plasma electrode is used to prevent this ink mist. This plasma electrode acts separately on both particle streams and ensures an optimal ink transfer. The electrode will be connected to the high voltage generator HSG61.

Advantages

- complete particle deposit on the roll surface or on the substrate
- optimal print/coating results at the highest processing speeds and lowest maintenance costs

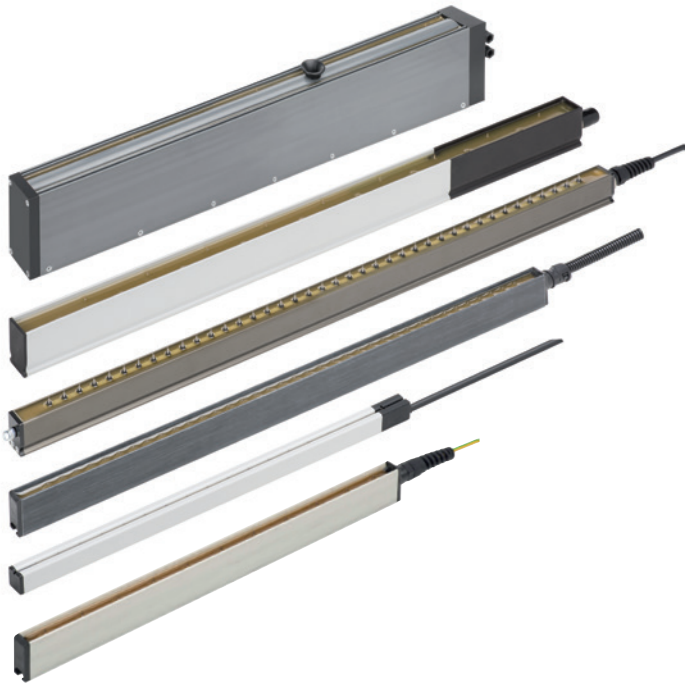
The MISTING TACKER system is currently used in silicone coating applications. (Distribution via Polytype Converting)

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

news

Eltex Top Class Discharging

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



RX3

SDS

flexION

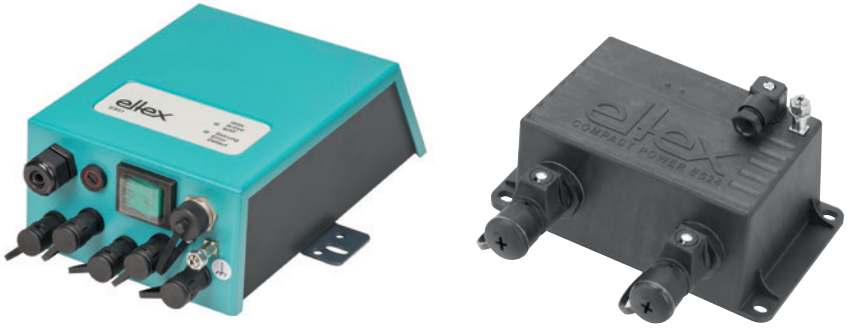
R50

R47

RG52

Further information about Eltex discharge bars on www.eltex.com

The **Eltex power supply units** for AC discharges in various performance levels and adapted to the customer application



ES51 Power Supply

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

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

news

The Ion Blower Nozzles, Heads and Pistols
For flat and precise discharge and dedusting – with air support for large distances and for better handling, as a pistol

R36AF

R55RL6S

PR36

PR36-spiral

EXPR50

Further information about Eltex Ion-blower nozzles, heads and pistols on www.eltex.com

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

news

Eltex Top Class Charging

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

R130 Charging Bar

R120 Charging Bar

R23ATR Point Charging Bar

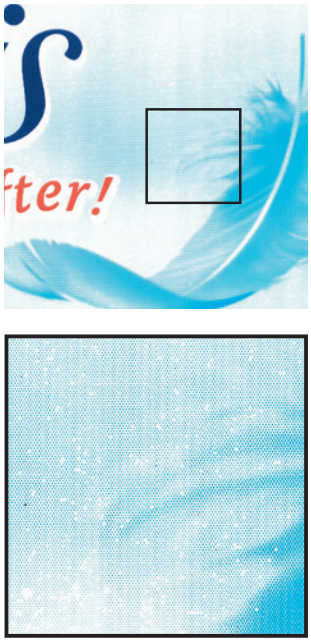
Further information about Eltex charging bars on www.eltex.com

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

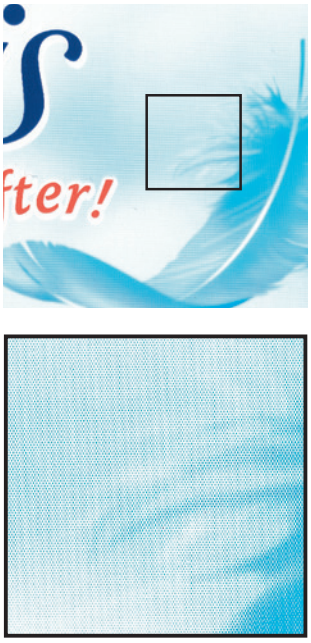
news

Electrostatic Printing Assist systems ESA GNH61 and GNN75/GNN75S

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

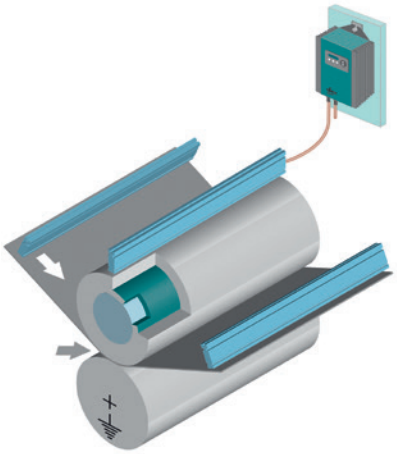


without ESA: missing dots

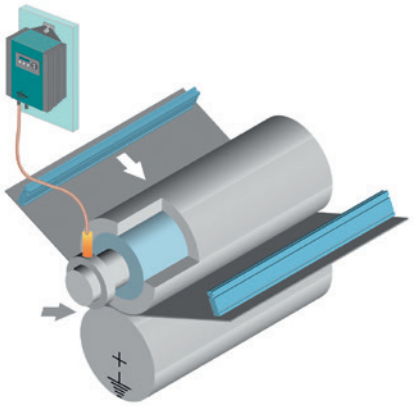


with ESA: missing dot free ink transfer

Missing Dots.jpg



Top-Loading
ESA GNH61



Direct-Charging
ESA GNN75 / ESA GNN75S

Further information about Eltex printing assist systems on www.eltex.com

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

ICE europe
INTERNATIONAL CONVERTING EXHIBITION

ELTEX AT ICE | HALL **A5**, STAND **1250**

eltex electrostatic innovations

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.

waviness
(without remoistening)

perfect flatness
(with remoistening)

DIGIMOISTER 1500
in digital high speed printing

WEBMOISTER 3000
in heatset web offset printing

Further information about Eltex remoistening systems on www.eltex.com

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**

news

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 60-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.com or you may contact Mr. Marc Rechberger, Sales Manager Static Control, marc.rechberger@eltex.de.

Eltex-Elektrostatik-Gesellschaft mbH | Blauenstraße 67–69 | 79576 Weil am Rhein | Germany
Phone +49 7621 7905-422 | info@eltex.com | **www.eltex.com**