



More performance, less risk: Optimized printing processes thanks to intelligent electrostatic control

At drupa 2024, world market leader Eltex presents innovative electrostatic charging, discharging and grounding systems for maximum performance and safety.

Weil am Rhein, May 2024: *For more than 70 years, everything at Electrostatic Innovations from Eltex has revolved around an exciting topic: using electrostatics wherever it is useful - and eliminating it where it is disruptive or even harmful. This core competence requires decades of expertise and experience.*

Intelligent electrostatic systems for process optimization

Ever higher machine speeds and more demanding materials mean that the requirements in the printing and processing industry are becoming more and more extreme. In this environment, the electrostatic charging, discharging and grounding systems from Eltex not only enable maximum safety, but also higher production speeds, more efficient work and significantly improved quality in the entire printing area – especially in the finishing and processing of paper and film – thus ensuring fewer faults and minimized downtimes and waste.

The highly effective discharging systems from Eltex ensure optimum production processes through efficient discharging. The result: safe discharging, trouble-free feeding, accurate delivery and clean stacking of sheets even under the most difficult production conditions. Eltex charging systems use targeted, precise electrostatic charging to improve many finishing processes, for example by ensuring non-slip and stable blocking of inserts or stacking of printed materials. In potentially explosive areas, the intelligent smart grounding solutions from Eltex ensure controlled electrostatic grounding and therefore reliable protection for people, production systems and transport machines.



Experience Eltex Electrostatic Innovations at drupa 2024 in Hall 15, Stand 15F51.



The Eltex highlights at drupa 2024

Visitors to drupa 2024 can already look forward to the following product highlights:

➤ **Monitored Discharging: SENSOR, blueBAR R50, flexBAR R60L and PRO IONIZER**

The revolutionary PRO IONIZER discharging power supply with patented Performance Control and optional fieldbus integration enables convenient process monitoring and control on multiple channels. Together with the blueBAR R50 or the flexBAR R60L with E-field sensor, the PRO IONIZER guarantees reliable discharging, high production quality and safe and monitored process sequences.

➤ **Sheet handling: flatBLOW R55E/RB, flatBLOW R36E/AF, Type B, Type T, flexBAR R60L**

The highly effective discharging systems for sheet processing machines flatBLOW R55E/RB, flatBLOW R36E/AF, Type B, Type T and flexBAR R60L eliminate electrostatics between film and paper sheets and thus ensure trouble-free material transport.

➤ **ESA – Electrostatic Printing Assist: ESA POWER TOP GNH63 System, POWER CHARGER**

With its simple operation and reliable high-voltage technology, the POWER TOP GNH63 system ensures printing without missing dots. With the POWER CHARGER high-voltage generator, the GNH63 electrostatic printing assist system achieves performance level d. The ESA top-loading system can be installed in new machines, retrofit existing machines with ESA or replace older top-loading systems. The upgrade is particularly easy for existing Eltex GNH61 or GNH60 systems.

➤ **Mobile Ground Monitoring: TERRALIGHT and TERRACLAMP**

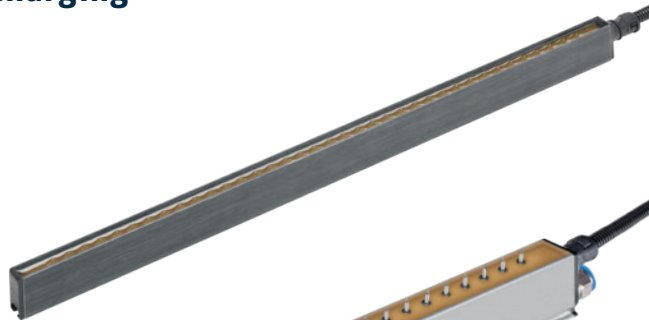
By monitoring conductive drums and containers independently of the mains, the battery-operated, mobile TERRALIGHT ground monitoring system ensures maximum safety when handling explosive liquids – with minimum installation effort. The active grounding clamps from the TERRACLAMP series with permanently high closing force ensure a secure connection to the equipotential bonding at all times.

As a special highlight, drupa visitors will also get an exclusive look at the brand new TERRASMART ground monitoring system and learn all about the multifunctional Eltex Connected Control (ECC) control unit with its convenient operating options.

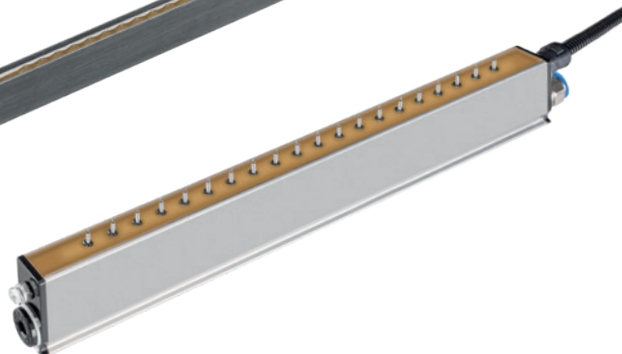


Monitored Discharging

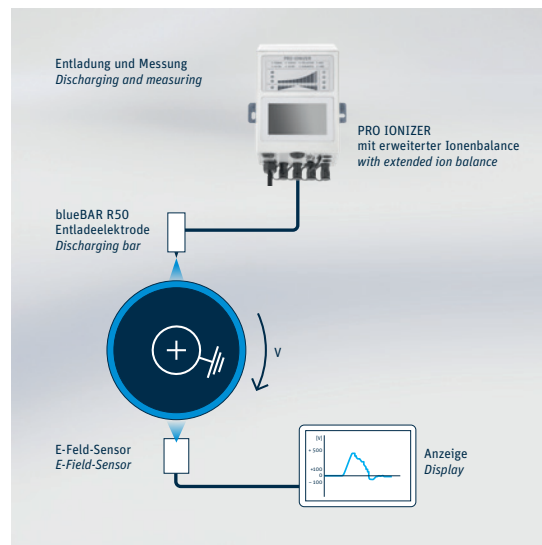
blueBAR R50



flexBAR R60L



PRO IONIZER ES61



Monitored Discharging



Sheet-Handling

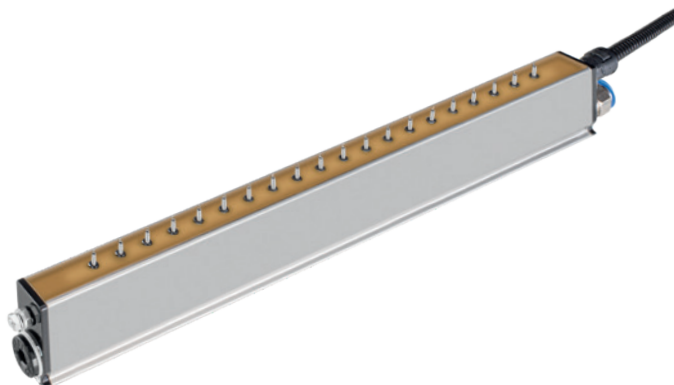
flatBLOW R36E



flatBLOW R55E



flexBAR R60L





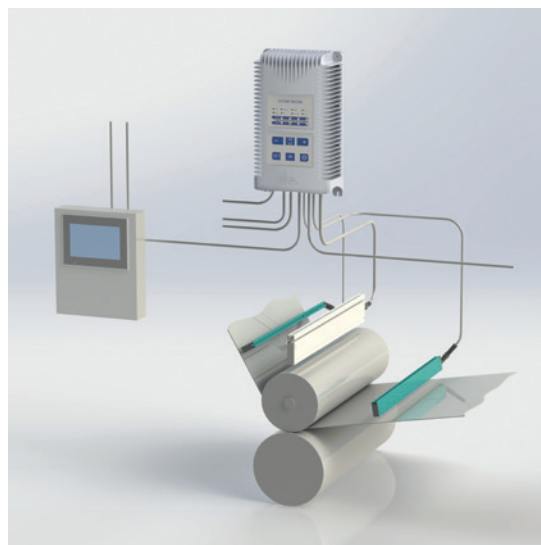
ESA – Electrostatic Printing Assist



POWER CHARGER PCSC with touchscreen



POWER CHARGER PCSC with membrane keypad



ESA POWER TOP GNH63 System



Mobile Ground Monitoring



TERRALIGHT



TERRASmart



ECC ELTEX CONNECTED CONTROL





Eltex Elektrostatik GmbH in Weil am Rhein, founded in 1953, is the world's leading manufacturer of electrostatic systems. For more than 70 years, Eltex has been developing intelligent solutions for the beneficial use of electrostatics and the elimination of their undesirable side effects by means of targeted charging and discharging using electrostatic systems. Eltex's innovative products have established themselves as a fixture in numerous industries and help to optimize industrial processes, increase productivity and efficiency and minimize hazards and risks. With an international sales network and more than 55 representatives, Eltex has a global presence and is a leader in electrostatic control.

Do you have any questions? Talk to us!

If you have any questions, please contact Mr. Kai Werner, Technical Consultant, at kai.werner@eltex.de at any time.

Further information can also be found at www.eltex.de.



Download for the pictures (in print quality):
<https://we.tl/t-zVjDne1ZNK>

