eltex electrostatic innovations

Perfect performance – versatile use
Eltex Charging Technology

Perfect performance – broad range of applications

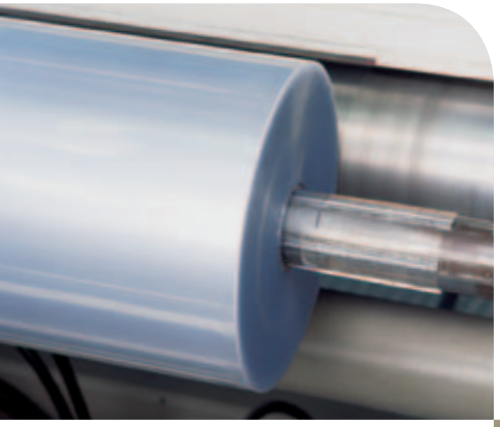
Eltex charging technology for optimized process flows in numerous branches of industry, including the plastics, wood, printing and packaging industries.

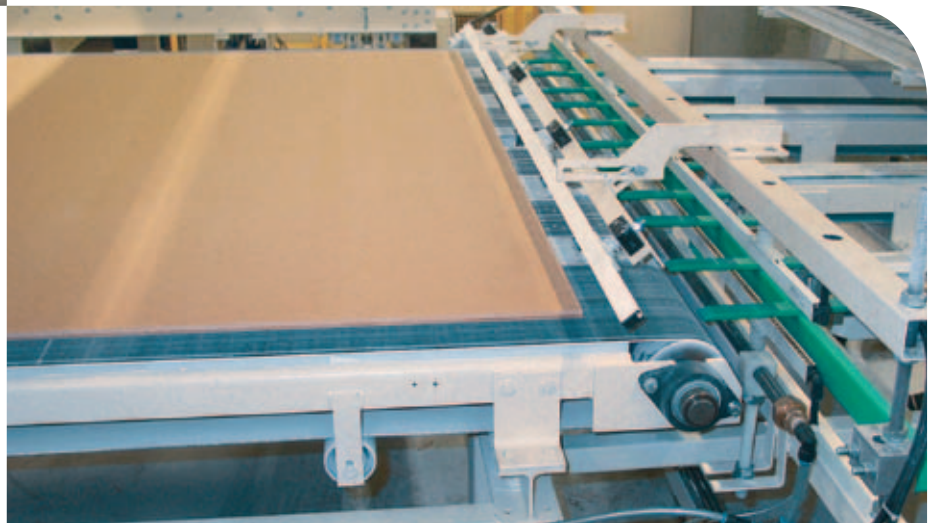
Optimal in many application areas, with convincing results.

- Covering, laminating, coating:
  targeted adhesion or fixing of foils
- Inmould labeling:
  precise fixing of the label in the mould
- Film production:
  dot-accurate, limited-time or continuous electrostatic fixing of films during processing, secure powder tacking on foil surfaces, no telescoping at the winder

Maximum output values

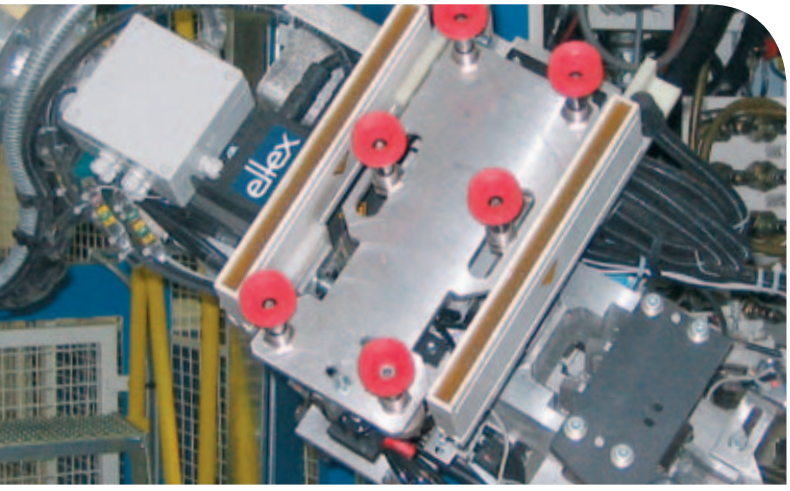
- low current consumption
- compact power supply units
- universal bar type for all applications
- high efficiency
- interference-resistant
- fast payback of investment
- efficient performance





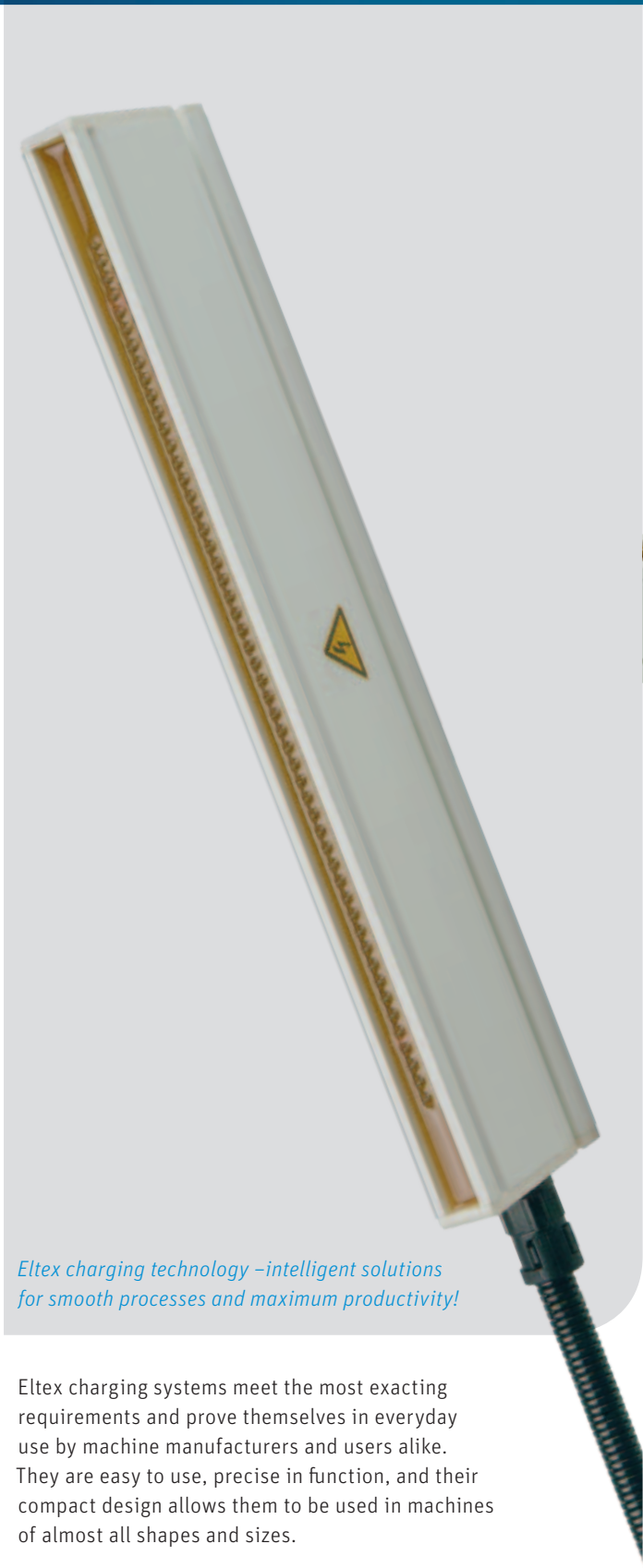
Targeted charging for higher efficieny

Static electricity is generated in many industrial processes. It is usually undesirable and has to be controlled or eliminated. Applied in a targeted manner, however, electrostatic charging can also be highly useful and increase performance, for example through short-term blocking or dot-accurate fixing for certain workflows in the production process.



Individually tailored to the application, electrostatic charging has convincing economic and quality advantages:

- higher production speeds
- increased efficiency
- optimum quality
- reduced energy consumption
- lower costs
- smooth processes
- faults, downtime and waste are minimized

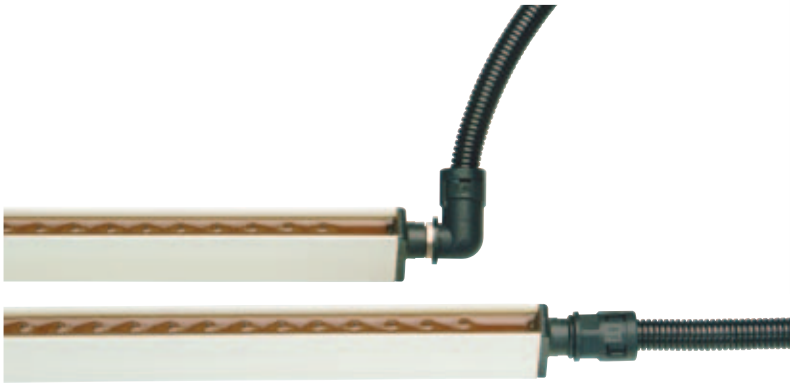


Eltex charging technology –intelligent solutions for smooth processes and maximum productivity!

Eltex charging systems meet the most exacting requirements and prove themselves in everyday use by machine manufacturers and users alike. They are easy to use, precise in function, and their compact design allows them to be used in machines of almost all shapes and sizes.

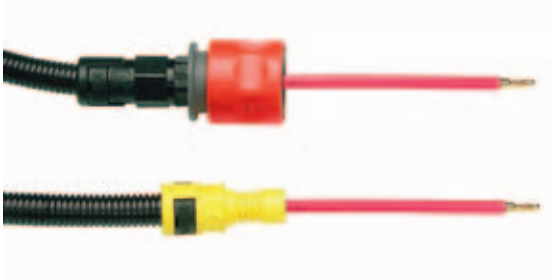
Charging bars

Eltex charging bars are used primarily in applications in which production processes are faster and smoother when the materials used, such as films and paper, cling to each other. The parallel arrangement of two or more bars allows two-dimensional charging or operation at the highest web speeds.



Charging bar R120
A universal bar with minimal dimensions for supply voltages up to 15 kV. It is used to charge surfaces for blocking and tacking purposes.

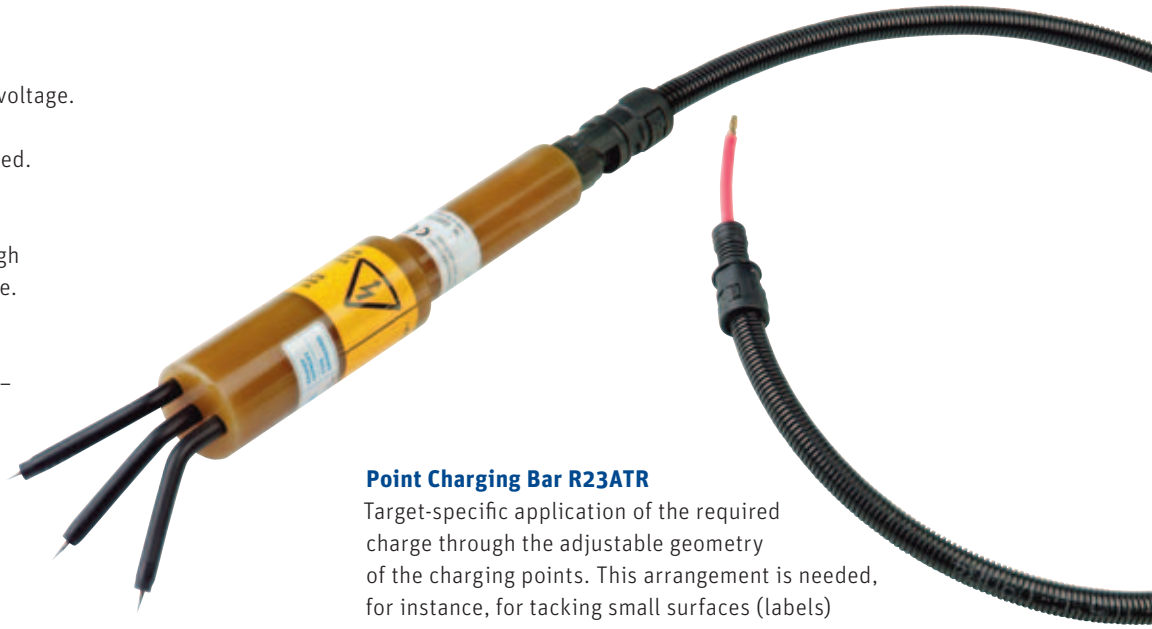
Charging bar R130
Heavy-duty precision bar for supply voltages up to 60 kV. The charge and field distribution have been substantially improved by the optimized arrangement of the individual bars. Separate current-limited tips prevent an increase in air ionization and high-energy sparks.



Maximum safety
No need to worry about high voltage. Limited contact currents prevent safety risks – GS-tested.

Certified quality
CE, GS and UL certified for high reliability and trouble-free use.

Uncomplicated assembly
Flexible and simple to install – even in complex systems.



Point Charging Bar R23ATR
Target-specific application of the required charge through the adjustable geometry of the charging points. This arrangement is needed, for instance, for tacking small surfaces (labels) using electrostatic power. Suitable for edge zone fixing during film and foil production.

Small, Strong and highly effective

High Voltage Generators KNH35/KNH65

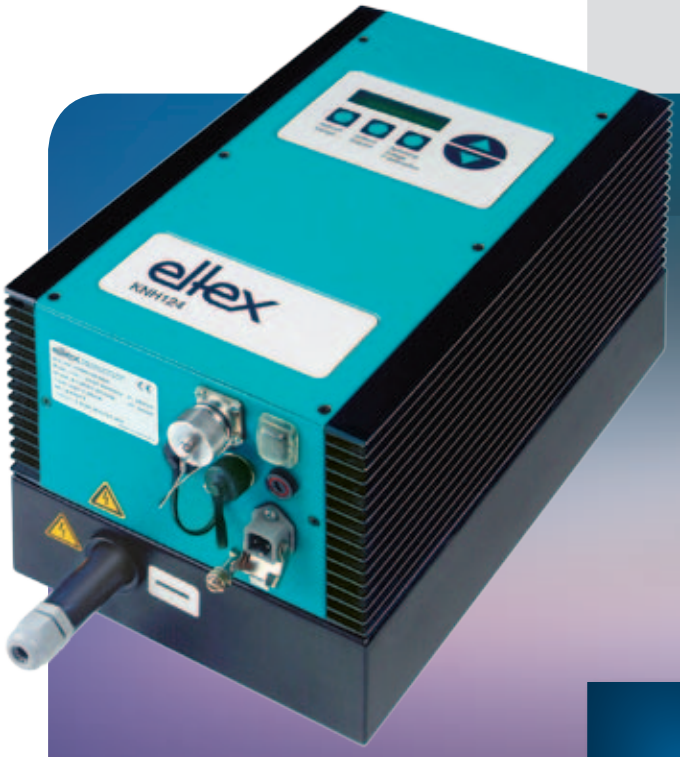
With the new KNH35/KNH65 High Voltage Generators, Eltex offers universally usable, heavy-duty power supply units for DC-powered Eltex charging bars, which can be used in a wide variety of high-voltage industrial and laboratory applications.

The outstanding features of the KNH35/KNH65 are its exceptionally low space requirements, high performance and absolute ease of use.

A Profibus DP/V0 interface allows simple connection to a PLC or central control console. Furthermore, using the Eltex CAN bus, up to 20 generators and remote controls can be networked together and centrally controlled. An interface is also provided for analogue operation and monitoring. By adding a KNHV Distributor Box (available as an accessory), an even greater number of electrodes can be connected.

High Voltage Generator KNH124

This universal supply unit is suitable for all high-voltage applications and for DC-powered Eltex charging bars: microprocessor-controlled, menu-guided operation (in multiple languages), digital fieldbus concept, internal safety features, all output and monitoring parameters are user-programmable. For universal use in laboratories and industry.



For detailed technical information about all components, please visit www.eltex.com

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Eltex is in permanent and close contact with users. The open exchange of information results in custom-made and specific solutions. Each of our projects is accompanied by joint problem analyses, outline and detail planning, product manufacture and integration into existing plants and equipment, start-up, maintenance and service, creating innovative and client-oriented solutions.

Are you interested in Eltex charging systems or in any other Eltex electrostatic innovation? We will be happy to inform you about using Eltex technology in your application or about the Eltex service features. Please contact us.

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