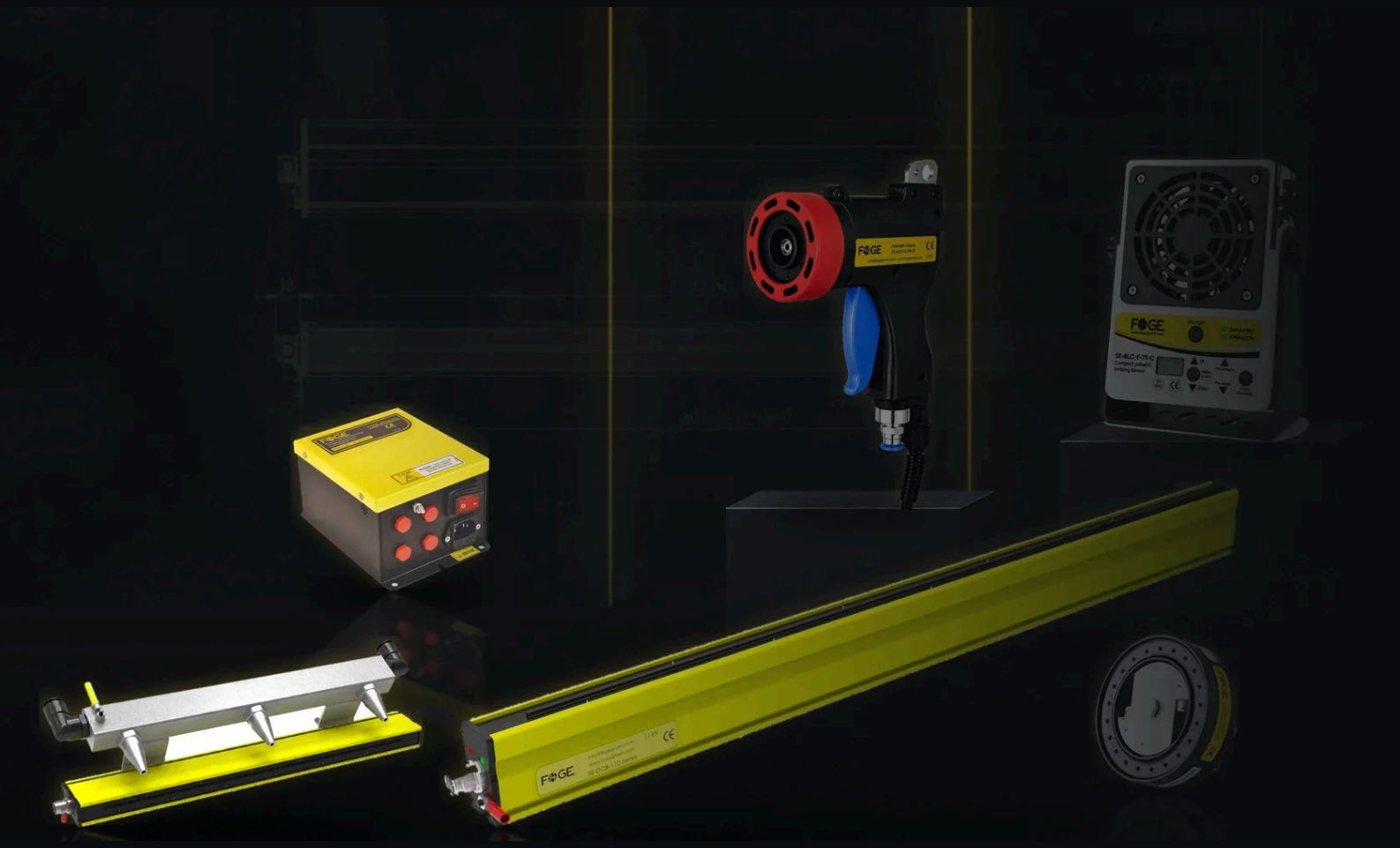

Static Electricity Solutions

Product catalogue 2026

Ionizing bars, blowers, nozzles, airguns, charging bars, power units and measurement.

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Complete technical data, model tables, dimensional drawings, instruction manuals and datasheets for every product: **foge-antistatic.com**. All values in this catalogue come from the product datasheets.

Static elimination

AC and pulsed DC ionizing bars and blowers that neutralise static charge on film, paper, plastics and 3D parts.



SE-ACB-55

Compact AC Antistatic Bar – 5.5 kV

High-speed, compact static elimination for industrial production lines

Ionization voltage	**5.5 kV**
Ionization range	**25 – 100 mm**
Max. line speed	**500 m/min**
Ordering length	**100 – 4500 mm**

- Compact OEM bar design — fits into space-constrained machine layouts
- 5.5 kV AC ionization voltage — reliable static elimination across standard production environments
- Ionization range up to 100 mm



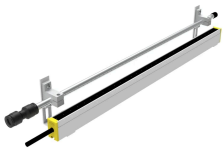
SE-ACB-80

High Power AC Antistatic Bar – 8 kV

Extended-range, high-speed static elimination for demanding industrial production lines

Ionization voltage	**8 kV**
Ionization range	**25 – 250 mm**
Max. line speed	**700 m/min**
Ordering length	**100 – 4500 mm**

- 8 kV AC ionization voltage — more than twice the power of standard 5.5 kV AC bars
- Extended ionization range up to 250 mm — ideal where the bar cannot be positioned close to the material
- Effective at line speeds up to 700 m/min — designed for the most demanding high-speed applications



SE-ACA

Long Range AC Antistatic Bar with Air

Air-assisted 5.5 kV or 8 kV AC ionization up to 400 mm — for 3D parts, wide-gap installations and high-speed lines

Ionization voltage	**5.5 kV**
Ionization range	**Up to 200 mm (SE-ACA-55) · up to 400 mm (SE-ACA-80), with compressed air**
Max. line speed	**300 m/min**
Ordering length	**100 – 2000 mm in 100 mm steps**

- Ionization range up to 400 mm (SE-ACA-80) or 200 mm (SE-ACA-55) with integrated compressed air
- Two versions: 5.5 kV for the SE-PAC-55 or 8 kV for the SE-PAC-80
- Effective at line speeds up to 500 m/min (SE-ACA-80) or 300 m/min (SE-ACA-55)



SE-DCB-90

Pulsed DC Antistatic Bar – 9 kV

Compact 9 kV pulsed DC static elimination — no HV transformer, 24 V DC supply, up to 200 mm range

Ionization output voltage	**9 kV pulsed DC**
Ionization range	**25 – 200 mm**
Ordering length	**300 – 4500 mm**

- 9 kV pulsed DC ionization — generated internally from 24 V DC; no external HV transformer or HV cabling
- Ionization range 25 – 200 mm — for conveyors, 3D parts, packaging and short-to-medium standoff installations
- Orderable in any length from 300 mm to 4500 mm



SE-DCB-110

Pulsed DC Antistatic Bar – 11 kV

Long-range static elimination at 100 – 600 mm — 11 kV pulsed DC, 24 V DC supply, no HV transformer

Ionization output voltage	**11 kV pulsed DC**
Ionization range	**100 – 600 mm**
Ordering length	**300 – 4500 mm in 100 mm steps**

- 11 kV pulsed DC ionization — generated internally from 24 V DC; no external HV transformer or HV cabling
- Effective working distance 100 – 600 mm — for long-range applications
- Orderable from 300 mm to 4500 mm in 100 mm steps



SE-DCA-110

Pulsed DC Antistatic Bar with Compressed Air – 11 kV

Long-range static elimination up to 1000 mm — compressed air-assisted ionization, 24 V DC, no HV transformer

Ionization output voltage	**11 kV pulsed DC**
Ionization range	**25 – 1000 mm**
Ordering length	**300 – 2000 mm in 100 mm steps**

- 11 kV pulsed DC ionization — high-power output for demanding long-range static elimination
- Ionization range up to 1000 mm — compressed air carries ions to the target far beyond passive bars
- 24 V DC operation — ionization voltage generated internally; no external HV transformer or HV cabling



SE-BLC-F-75-C

Compact Antistatic Blower – Pulsed DC

Maintenance-free pulsed DC ionizing blower — no compressed air, no high-voltage power unit, automatic pin cleaning

Operating voltage	**24 V DC (21 – 28 V) via M12 connector · 0.4 A · max. 9 W**
Ionization range	**Up to 500 mm**
Decay time	**1 kV → 100 V in < 7 s at 500 mm**
Noise level	**< 60 dB(A) at 30 cm (typical: 38 dB)**

- Integrated automatic pin cleaning brush — maintains full ionization performance without manual intervention
- Pulsed DC ionization — balanced positive and negative ion output for fast static elimination
- 24 V DC powered — no external HV power unit required; connects to the SE-PSU-24-C-M12 adapter (sold separately)



SE-BLA

Multi Fan AC Blower Static Eliminator

220 V AC mains-powered long-range ionizing blower — up to approx. 1 metre range, potentiometer fan control, for conveyors, assembly stations and 3D objects

Mains supply	**220 V AC · 50 Hz**
Ionization type	**AC**
Effective ionization range	**Up to approx. 1000 mm (depends on fan speed setting)**
Ionization performance	**1 kV → 100 V in < 7 s at 1000 mm distance**

- Effective ionization range up to approx. 1 metre — long-range static elimination without compressed air
- 220 V AC mains supply — self-contained unit, no separate HV power unit required
- Integrated multiple fans (2 – 6 depending on length) — high air volume distributes ions across 3D objects and wide areas



SE-BLL

Laminar Air Blower Ionizer

Wide-area pulsed DC static elimination up to 1000 mm — five lengths, no compressed air, replaceable ionizer module

Operating voltage	**24 V DC (21 – 28 V)**
Ionization range	**Up to 1000 mm**
Ionization performance	**1 kV → 100 V in < 7 s at 1000 mm distance**
Ionization type	**Pulsed DC**

- Ionization range up to 1000 mm — covers wide workbenches and large parts from a single position
- Five lengths: SE-BLL-F-530-C / -700-C / -1055-C / -1420-C / -2130-C — match the unit to the width of the work area
- Integrated pulsed DC ionization — balanced positive and negative ion output

Static charging

High-voltage DC charging bars for electrostatic pinning of films, foils and sheet materials.



SE-SGB-30

Static Generation Bar – 30 kV

30 kV DC controlled electrostatic charging for precise film and foil pinning — wood lamination, film wrapping, solar panel production and more

Output voltage	**Up to 30 kV DC**
Ordering length	**100 – 4000 mm**
Bars per generator	**Up to 4**
Required generator	**SE-GEN-30N-AC (FÖGE 30 kV DC generator**

- Up to 30 kV DC output — controlled electrostatic field for reliable pinning
- Electrostatic pinning — holds films, foils and sheet materials in precise position
- Uniform field generation — consistent pinning force across the full material width

Dust removal & cleaning

Ionizing airguns, nozzles, inline ionizers and rings that neutralise static and remove dust in one step.



SE-ACG

Antistatic Airgun

High-efficiency static elimination and dust removal for surface cleaning before painting, coating and assembly

Ionization type	**5.5 kV AC**
Ionization range	**Up to 600 mm**
Air pressure	**Up to 5 bar**
Air connection	**⌀ 8 mm hose**

- Integrated ionizer — combines static elimination and dust removal in one compact tool, no separate ionization bar required
- 7 asymmetric tungsten ionizing pins — ESD compliant, high ionization power, extremely long service life
- 5.5 kV AC shockless ionization — operator-safe at all times



SE-ACS-55-50

Compact Antistatic Spot Nozzle

High-precision ionization for targeted dust removal in corners, cavities and hard-to-reach spot areas

Ionization type	**5.5 kV AC**
Ionization range	**Up to 300 mm**
Air pressure	**4 – 8 bar**
Air consumption	**250 l/min at 4 bar · 280 l/min at 6 bar**

- Compact self-contained spot ionizing nozzle — complete, ready-to-use unit with integrated ionizer
- 7 asymmetric tungsten ionizing pins — ESD compliant, high ionization output, extremely long service life
- 5.5 kV AC shockless ionization — operator-safe and ESD-safe for sensitive components



SE-ACIN-55

AC Inline Air Ionizer

Compact spot ionization for integration into dust cleaning machines, custom airguns and automated systems

Ionization type	**5.5 kV AC**
Air pressure	**6 bar inlet**
Air flow speed	**14 m/s at 300 mm (SN variant)**
Air connection	**⌀ 8 mm hose**

- Compact inline design — integrates directly into enclosures, cleaning boxes and custom machine builds
- 5.5 kV AC shockless ionization — operator-safe and suitable for sensitive equipment environments
- Two variants: NN (no nozzle, adjustable needle) and SN (fixed spot nozzle)



SE-HSIN-35-SN-C

High Speed Air Ionizer — Standard Nozzle

Compact 24 V DC ionized-air nozzle for spot cleaning and static elimination in machines and automated systems

Power supply	**24 V DC via M12 connector · 0.4 A · max. 9 W**
Air pressure — dry filtered air	**6 bar**
Compressed air consumption	**320 L/min (changes with the nozzle attached)**
Air flow speed	**14 m/s (changes with the nozzle attached)**

- Compact design for space-constrained installations
- Easy integration into machinery and automated systems
- Long-life tungsten emitter



SE-ARN-80

Ionizing Ring – 8 kV

8 kV AC wide-area static elimination for complex 3D parts — ionizing ring only or complete rotating air nozzle system

Ionization type	**8 kV AC**
Protection class	**IP66**
Rotary nozzle (PA)	**Body ⌀ 70 mm, nozzle hole ⌀ 1.8 mm (FG-AC-0002)**
Operating temperature	**Max. 60 °C**

- 8 kV AC shockless ionization — higher power than 5.5 kV systems for heavily charged parts and larger distances
- Ring ionizer design — ionization wraps around the part, not just one face
- Two variants: AC01 (ionizing ring only, customer's own air/nozzle system) and PA (integrated rotating nozzle + ionizing ring)



SE-ACN

Nozzle AC Antistatic Bar

AC ionization plus high-velocity air jets — removes dust and separates static-stuck parts in one step

Output	**5.5 kV (SE-ACN-55) · 8 kV (SE-ACN-80)**
Ionization + air range	**Up to 600 mm**
Max. line speed	**500 m/min**
Ordering length	**100 – 2500 mm in 100 mm steps**

- Dual action: AC ionization + high-velocity air jets from nozzles
- Two voltage variants: SE-ACN-55 (5.5 kV) and SE-ACN-80 (8 kV)
- Ionization + air range up to 600 mm



SE-DCN-110

Pulsed DC Nozzle Antistatic Bar

Pulsed DC static elimination plus high-velocity air jets — dust removal, sheet separation and mould release from 24 V DC

Operating voltage	**24 V DC**
Ionization range	**Up to 600 mm**
Air pressure — dry filtered air	**6 bar**

- Dual function: pulsed DC ionization + high-velocity air jets
- 11 kV pulsed DC — no HV power unit required
- 24 V DC supply via M12 connector (4-pin M12 cable)

Power units

AC high-voltage power units for FÖGE ionizing bars and ionizers.



SE-PAC

AC High Voltage Power Unit

5.5 kV or 8 kV AC power for up to 4 FÖGE antistatic bars and ionizers — compact, short-circuit protected, plug-and-play

Models	**SE-PAC-55-2-C · SE-PAC-55-4-C (5.5 kV) · SE-PAC-80-2-C · SE-PAC-80-4-C (8 kV)**
Mains supply	**220 V AC · 50 Hz plug connection**
Protection class	**IP54**
Max. total length per power unit	**12 m of cables and devices connected (bar lengths count towards the total)**

- Four models: SE-PAC-55-2-C · SE-PAC-55-4-C (5.5 kV) · SE-PAC-80-2-C · SE-PAC-80-4-C (8 kV)
- 2 or 4 outputs — power up to 4 AC ionizing devices from one unit
- 5.5 kV for SE-ACB-55, SE-ACA-55, SE-ACG, SE-ACIN-55 and SE-ACS-55-50

Measurement

Instruments to locate, quantify and verify static charge on production lines.



SE-SFM-030

Static Electric Fieldmeter

Handheld non-contact surface charge measurement up to 200 kV — two auto-selected ranges, polarity display, hold function

Measurement range	**0 – 200,000 V (200 kV)**
Accuracy	**± 5 % (at calibration)**
Measurement distance	**100 mm**
Power	**9 V PP3 battery**

- Non-contact electrostatic surface voltage measurement at fixed 100 mm distance
- Measurement range up to 200 kV — covers the full range of industrial static charges
- Two auto-selected ranges: 0 – 20 kV (10 V resolution) and 20 – 200 kV (100 V resolution)

Accessories

Maintenance kit for cleaning FÖGE antistatic bars, blowers, airguns and nozzles.



SE-CLEAN

Antistatic Products Maintenance Kit

Cleaning fluid and nylon brush for FÖGE antistatic bars, blowers, airguns and nozzles

Kit contents	**Antistatic products maintenance liquid (bottle with spray head) + nylon cleaning brush**
Cleaning fluid	**Non-conductive, water-free · solvent mixture, contains isoparaffins · free from halogenated and aromatic hydrocarbons · evaporates without residue · use undiluted**
Brush dimensions	**225 × 35 × 22 mm**
Compatible products	**FÖGE AC and DC antistatic bars, air blowers, antistatic air guns and other antistatic devices**

- Non-conductive, water-free cleaning fluid — evaporates without residue
- Removes dust, carbon deposits, ink and fabric residue from emitter pins
- Nylon brush, 225 × 35 × 22 mm — cleans gently without damaging the pins

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Technical data subject to change. Current datasheets, instruction manuals and drawings: foge-antistatic.com.