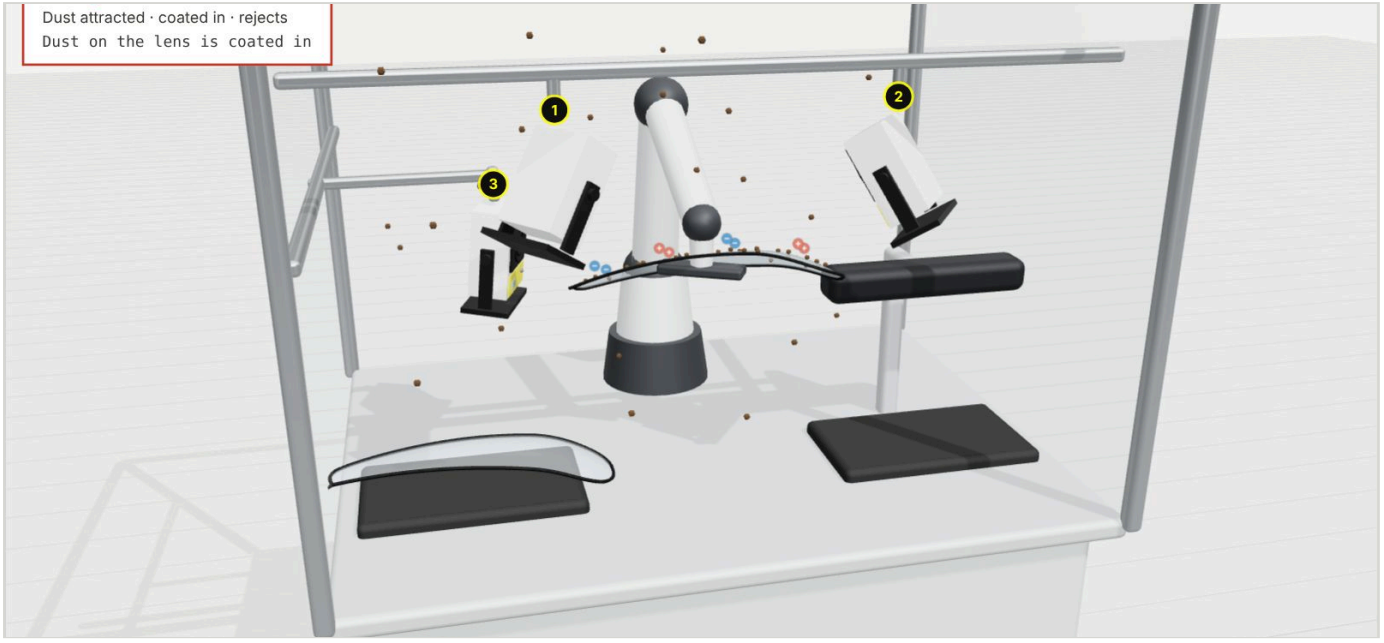
STATIC ELECTRICITY PRODUCTS · APPLICATION

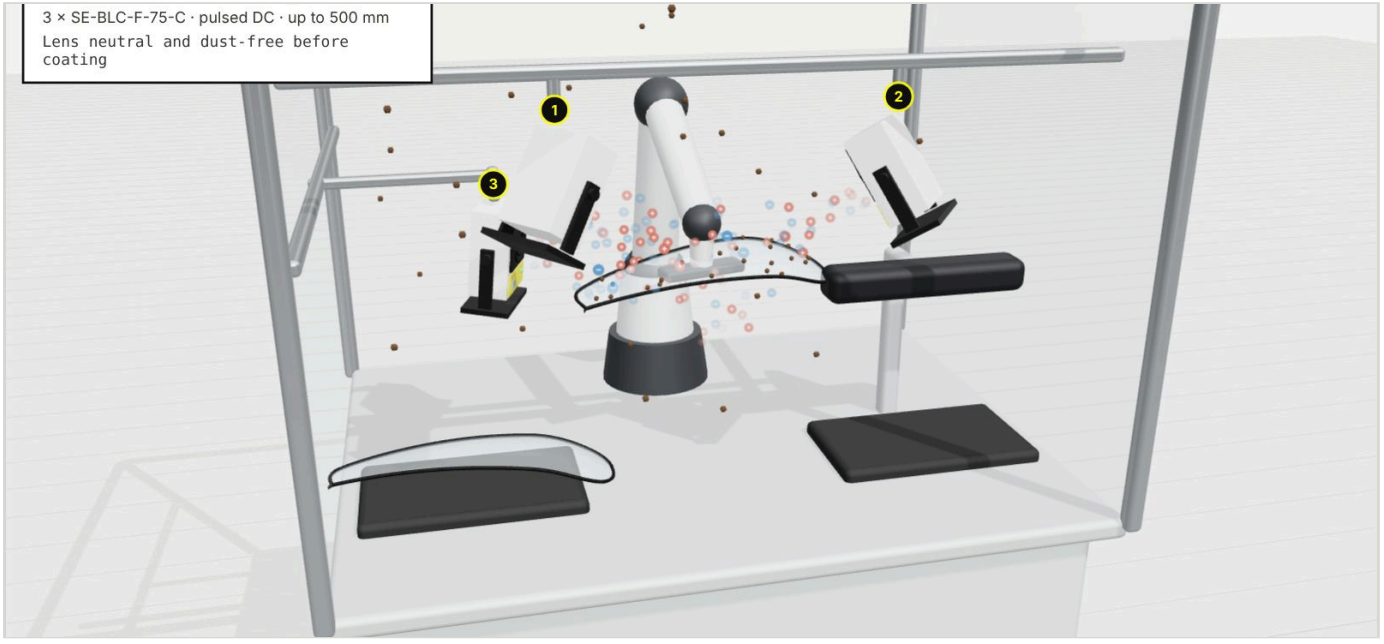
Automated headlight lens coating preparation with three SE-BLC-F-75-C

Clear polycarbonate headlight lenses charge up strongly during moulding and handling and pull in airborne dust. Dust on the lens before hard-coating, anti-fog coating or final sealing becomes a permanent defect — rejected parts and impaired light distribution. Inside the enclosed station, three SE-BLC-F-75-C blowers flood the complex 3D shape of the lens with balanced ions while the robot presents it from all sides, breaking the electrostatic bond so the dust is carried away before the coating head.

WITHOUT IONIZATION



WITH SE-BLC-F-75-C



FÖGE product in this application

1–3 · SE-BLC-F-75-C — inside the station

Two above the front of the cell and one at the side, each on its adjustable bracket and aimed at the zone where the robot presents the lens — together they reach every side of the 3D lens.

Ionization	**Pulsed DC · shockless · balanced**
Ionization range	**Up to 500 mm**
Decay time	**1 kV → 100 V in < 7 s at 500 mm**
Pin cleaning	**Integrated automatic brush**
Supply	**24 V DC · M12 5-pin**

SE-BLC-F-75-C details **Request technical quote**

Also suitable for coating preparation

Other FÖGE ionizers for enclosed lens and housing stations.

SE-BLL
Laminar Air Blower Ionizer

Pulsed DC · up to 1000 mm · 24 V DC

Interactive 3D model: switch between both states, rotate and zoom.

foge-antistatic.de/applications/headlight-coating-prep-se-blc/

Schematic model, not to scale. Machines and parts are generic — no specific manufacturer or brand. Product data as published on foge-antistatic.de.