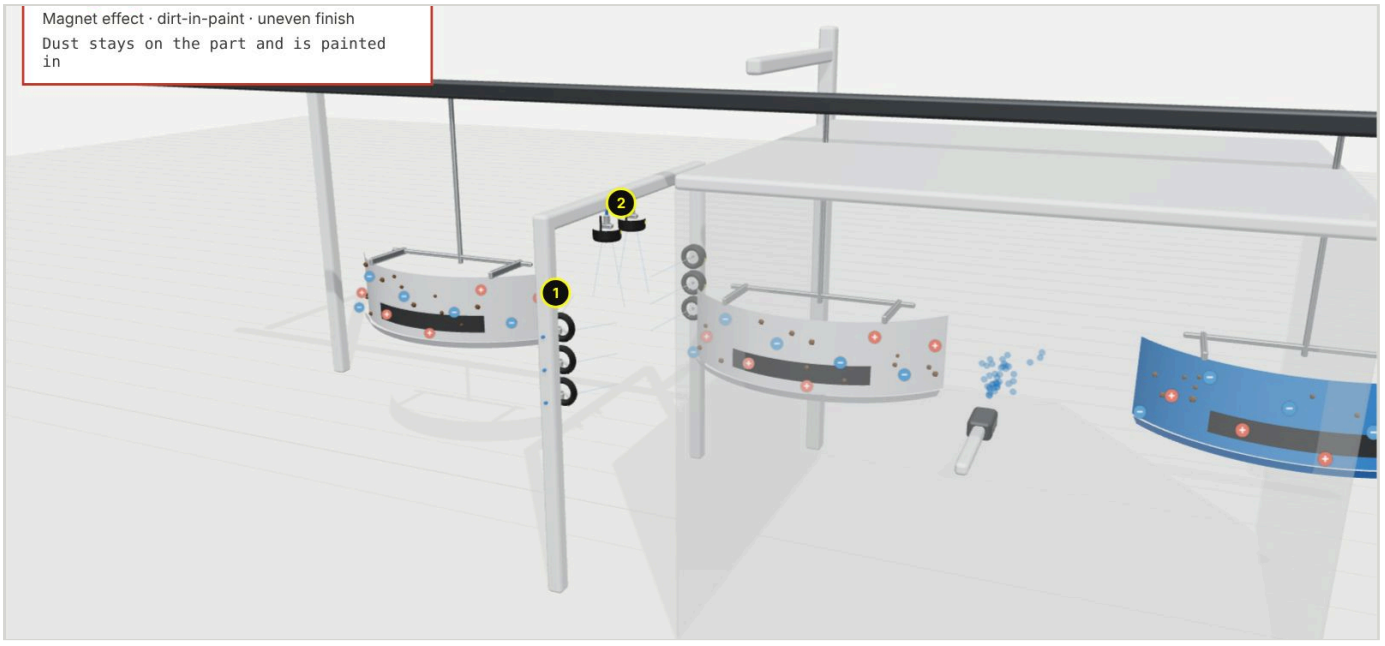
STATIC ELECTRICITY PRODUCTS · APPLICATION

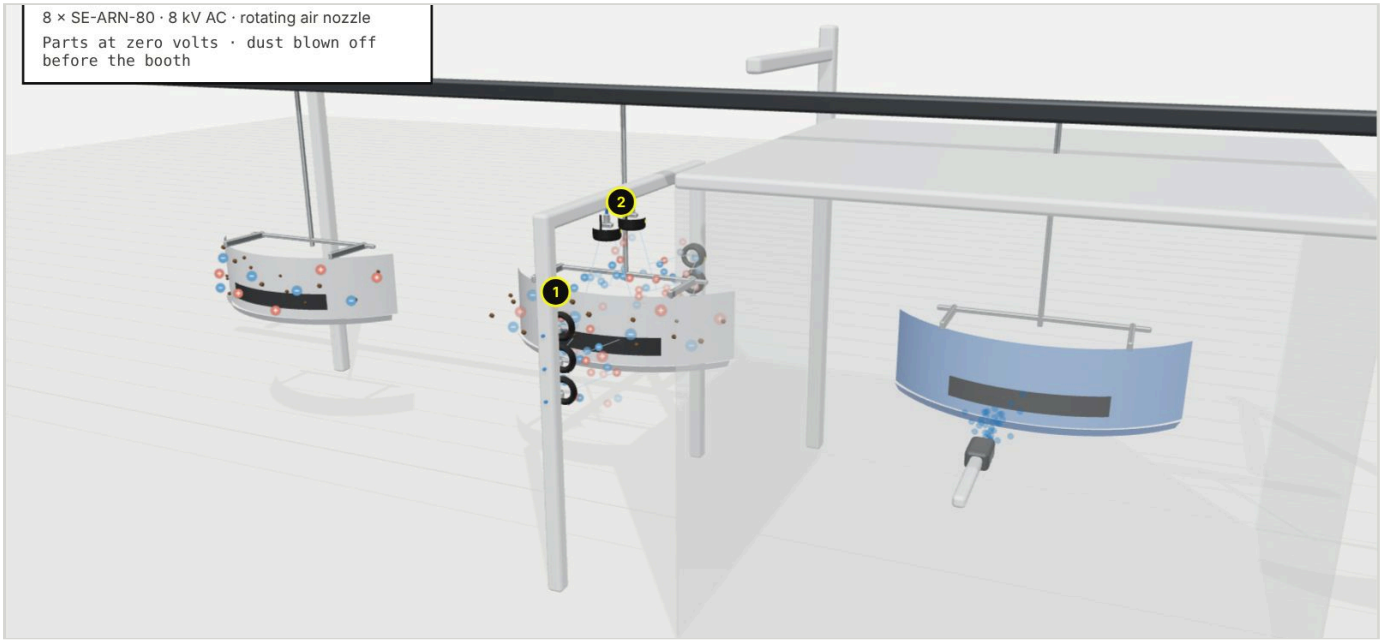
Pre-paint ionizing air gate with SE-ARN-80 rotating nozzles

Plastic parts such as bumpers are highly insulative and charge up during cleaning and conveying. The charged part pulls in airborne dust seconds before painting — dirt-in-paint inclusions that need sanding and rework — and surface charge can disturb how the paint droplets lay down. A bumper is too big for a single rotating nozzle, so an air gate with several SE-ARN-80 rotating ionizing nozzles is installed directly before the paint booth: the part passes through, the rotating air jets flood its 3D surfaces with ions, the static bond breaks and the dust is blown off.

WITHOUT IONIZATION



WITH SE-ARN-80



FÖGE products in this application

1 · SE-ARN-80-112-C3-PA — side nozzles

Three rotating ionizing air nozzles on each side of the gate — outer and inner face of the bumper. The rotating air jets reach into the 3D shape and carry the ions to the whole surface.

Ionization	**8 kV AC · shockless**
Rotary nozzle	**Body ⌀ 70 mm · nozzle hole ⌀ 1.8 mm**
Protection	**IP66 — fully sealed**
Cable	**3 m (C3) · 5 m / 12 m options**

SE-ARN-80 details

2 · SE-ARN-80-112-C3-PA — top nozzles

Two nozzles on the top beam cover the upper edge. Eight nozzles in total — up to 4 units per SE-PAC-80 power unit, so two SE-PAC-80-4-C supply the gate.

Power unit	**SE-PAC-80-2-C / SE-PAC-80-4-C**
Units per power unit	**Up to 4 (12 m total cable length)**
Operating temperature	**Max. 60 °C**

Request technical quote

Also suitable for pre-paint preparation

Other FÖGE ionizers for cleaning and discharging parts before painting.

SE-ACG Antistatic Airgun	For the manual process · ionized compressed air
SE-DCN Pulsed DC Nozzle Antistatic Bar	11 kV pulsed DC · up to 600 mm · ⌀ 10 mm air hose

Interactive 3D model: switch between both states, rotate and zoom. **foge-antistatic.de/applications/painting-gate-se-arn-80/**

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