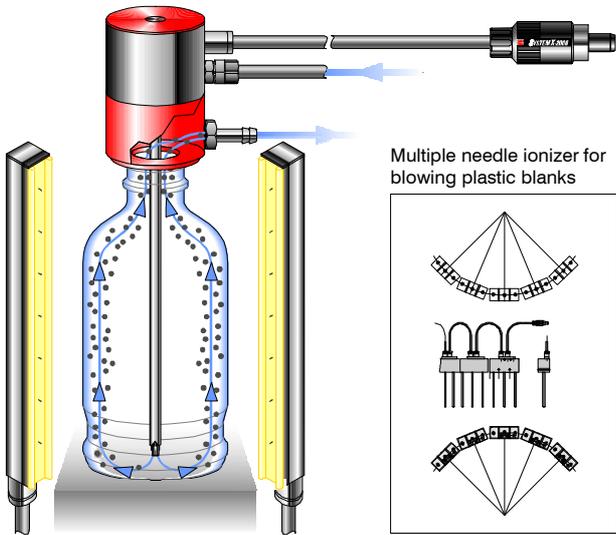


# HAUG Ionization - in the clean room and in sterile areas



**Discharge and cleaning of vessels,  
hollow injection needles and glass  
bottles before filling**

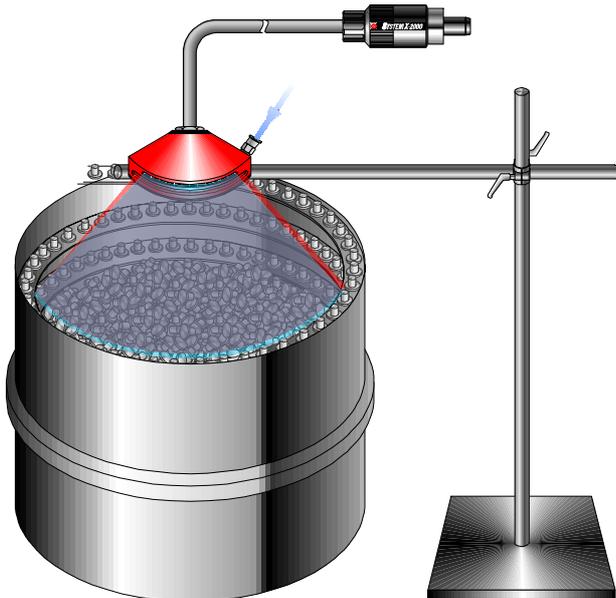


Multiple needle ionizer for blowing plastic blanks

Interior treatment:  
needle ionizer in 1 – 12 x version –  
also for sterilization in autoclave

Exterior treatment  
ionizing bars in any optional length –  
also for sterilization in autoclave

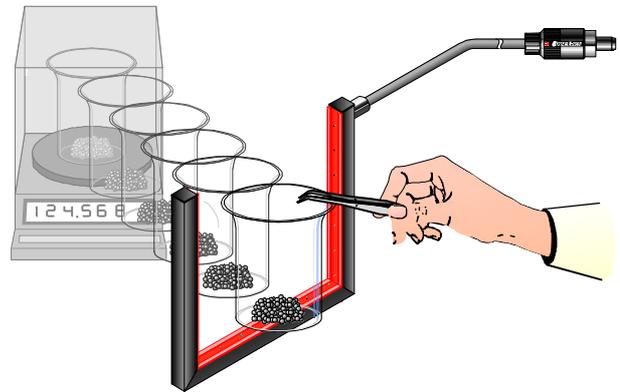
**Discharge of plastic, silicone and rubber  
parts in an oscillating conveyor or in  
conveying buckets**



The vibrations of the oscillating conveyor result in a steady increase in the electrostatic charge and in the plastic parts sticking to each other or to the slide surfaces; they may even run over the edge.

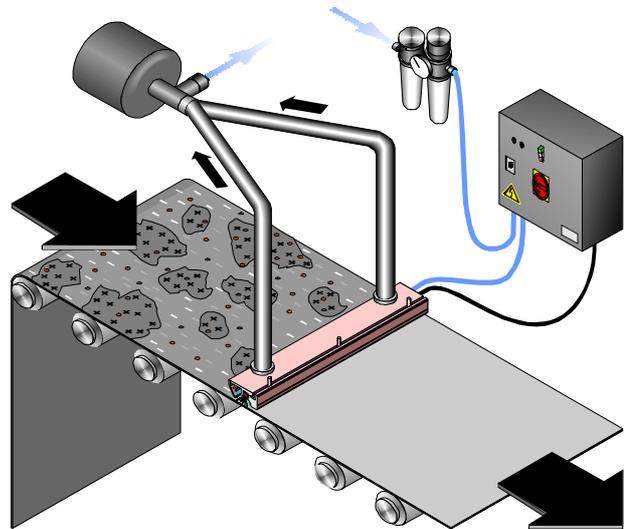
The HAUG Delta blower ensures that the charge level remains low, eliminating any malfunctions.

**Discharge of weighing trays on  
laboratory scales**

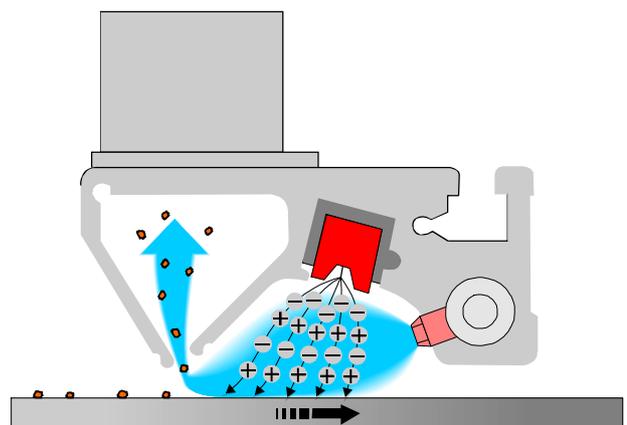


Electric field patterns falsify the weighing result. By discharging the weighing trays using a U electrode, a correct result can be achieved.

**Discharge and cleaning of packaging  
films or deep drawing films**



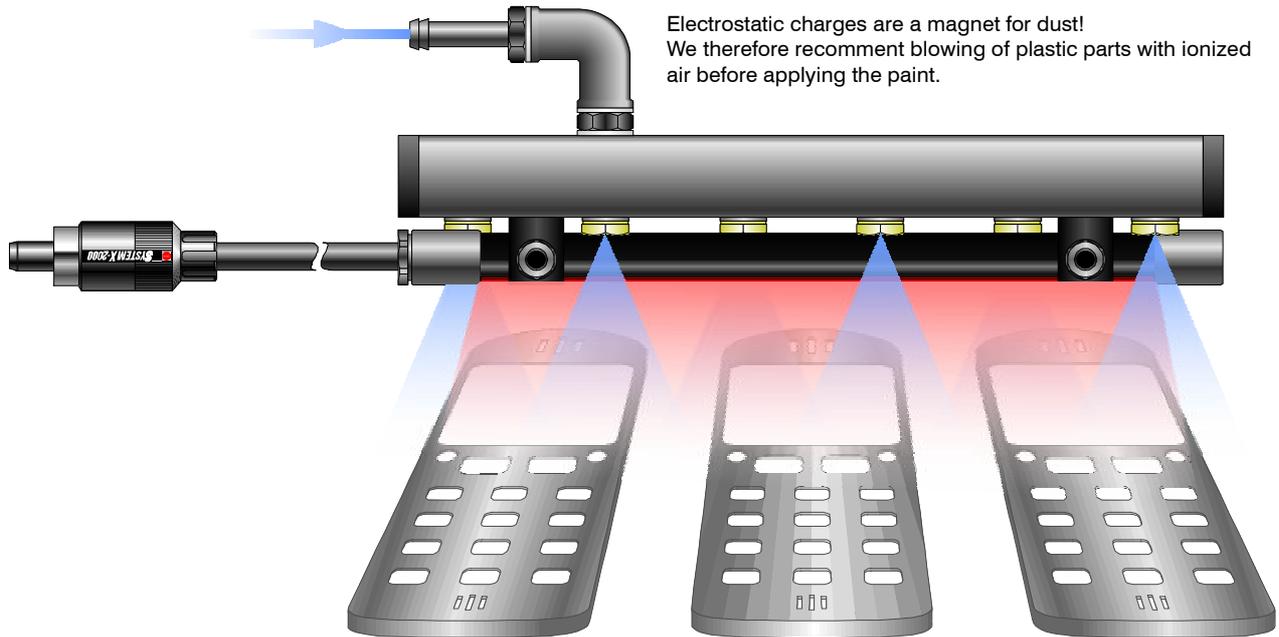
Contact-free surface cleaning using the Statik-Air. The surface and any particles adhering due to electrostatic charges are discharged. The particles are whirled up and evacuated.



**HAUG Ionization in the clean room and in sterile areas**



## Discharge and cleaning of surfaces ready for painting



Electrostatic charges are a magnet for dust!  
We therefore recommend blowing of plastic parts with ionized air before applying the paint.

## Ionization in horizontal or vertical laminarflow

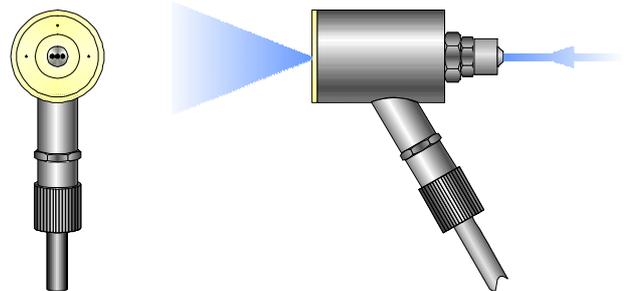


The high-performance bars EI VS enrich the laminar air flow with positive or negative ions. Any existing or future charges are therefore removed or prevented from forming.

## Air gate LS PLE



## Ring ionizer



HAUG ionization systems are safe to touch and electromagnetically compatible. They can be constructed from stainless steel and PEEK for special requirements. For sterile areas, they are even available for sterilization in autoclaves.

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