

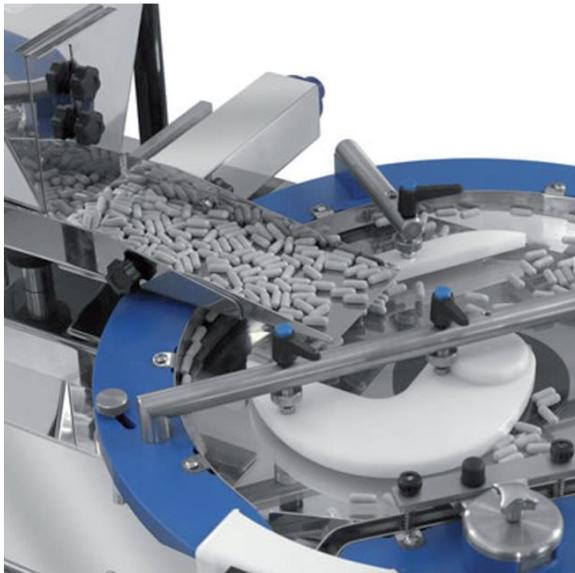
Vibration bowl feeders with “sticky” problems

Vibration bowl feeders are designed to feed individual components/parts for assembly on industrial production lines. They are used when a randomly sorted bulk package of small components must be fed (in a particular direction) into another machine one-by-one. Vibration bowl feeders come in many shapes and sizes and can be used in the pharmaceutical, food, automotive, electronics and packaging industries.

Electrostatic charges on components/parts are created, not only by the friction and separation between the parts, but also by the friction between the parts and the vibration bowl feeder. Electrostatic charges cause major problems because parts stick each other, to the bowl or even jam the accumulation track.

Additionally dust attraction, by the electrostatic charged components or parts, can result in quality problems and rejects.

Placing a [Performax IQ Easy 24V static eliminator](#) over the bowl will solve these static issues. Optionally air assist can be required to blow ionised air between charged parts, in order to separate them and prevent misfeeding.



Similar technology is applied in the pharmaceutical industry to direct tablets in the right position for transporting to filling-, packing- or inspecting lines.

Neutralising with an industrial static eliminator will separate the tablets, ensuring optimal process control and creating a more efficient production.



As vibration bowl feeders come in many shapes and sizes, handle various components/parts, Simco-Ion advises a customised anti-static solution. Optional ionised air nozzles are very suitable to separate electrostatically charged parts. Correct placement of anti-static equipment is crucial, as vibration bowl feeders have quite some moving parts and metal objects that can complicate correct neutralisation of electrostatic charges.

[Simco-Ion anti-static solutions](#) make sure that a vibratory bowl feeder is feeding parts in synchronised speed with the production line, preventing expensive production stops.

Are you interested to learn more about the effects of static electricity on vibration bowl feeders? Please visit www.simco-ion.co.uk or subscribe to the [Youtube channel Simco-Ion Static Control Europe](#)