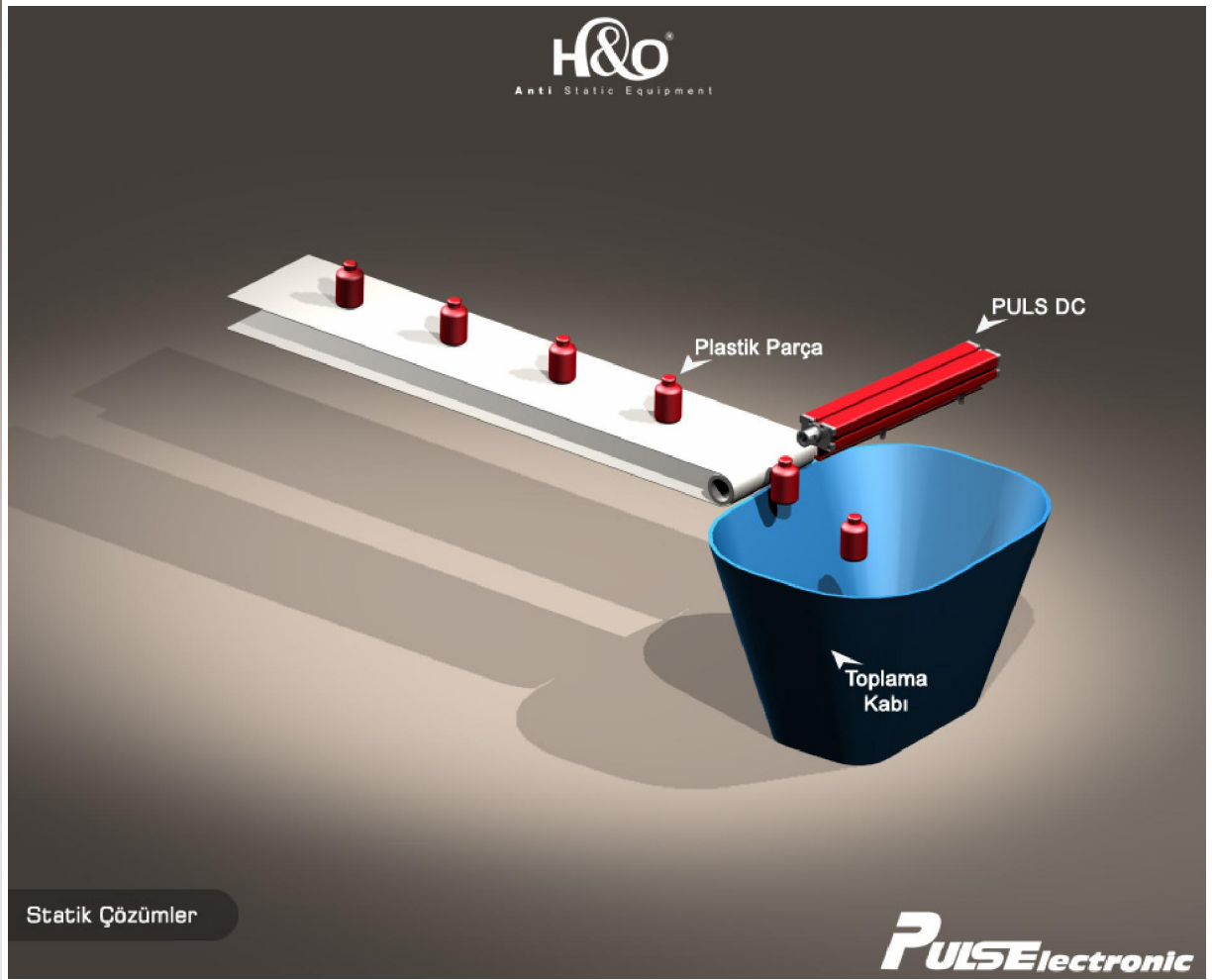


Applications

OTHER APPL CAT ONS ESA ON PLASTIC PARTS APPLICATION SHEET



Plastic parts when stored in a collection container, typically after injection moulding will carry a static charge. Although the charge on each individual part may be low, the accumulative charge will be very high. A small moulding may have only 10v of static electricity on it's surface, but if you add another 10,000 parts to the collection, you now have an electro-magnetic field generated by 100,000v of static electricity. This electro-magnetic field will attract airborne contamination and other dust and dirt particles onto the product creating rejects and down time for cleaning. The electro-magnetic field can also be absorbed into the bodies of operators working within close proximity. The operators will discharge when they come into contact with an earth potential such as a machine casing, door handle or even another operator. Although the shock can be painful, it is seldom dangerous. The major concern is the involuntary reaction to the shock which can be dangerous if working closely to moving or running machinery.

By positioning a PULSElectronic Pulse DC ionising bar above the collection container, you will have a steady stream of ionised air bathing the products, eliminating the static charge and preventing attraction of contamination. This will also remove the electro-magnetic field which causes the discharge shocks for operators.