Surface Treatment of Empty Containers

Taking unique advantage of open-air Corona discharge directed to the surface requiring treatment, 3DT's self-contained BottleDyne™ pretreating systems set new standards for Corona technology. It's now possible to in-line Corona-treat virtually any extrusion or injection blow-molded container at line speeds of up to 7,000 parts per hour.

Treatment is done delicately, quickly and efficiently, without any damage to the surface being treated and without any adverse effect on the molding, printing or labeling process.

The state-of-the-art self-contained floor model systems are designed for easy installation into molding, printing and filling lines or can be used as stand-alone workstations.

The BottleDyne advantages:

- Treatment of cylindrical, rounded oval, rectangular and square containers
- Line speeds up to 7,000 parts per hour
- Treating levels up to 70 mN/m (dyne/cm) depending on the application
- Compact inline and maintenance-friendly designs with one easy to clean or change electrode assembly
- No damage to the treated surface
- Open air Corona discharge, directed to the surface requiring treatment, for high treating levels, even on polypropylene containers
- Easily installed into molding, printing and filling lines or used as a stand alone work-station
- No open flame and no heat developments to contaminate the work environment or to increase insurance premiums

In Addition...

All equipment and systems from 3DT are designed and manufactured at our plant located in Germantown, Wisconsin, USA.