

The BottleDyne™ 2 Corona Treating System

The BottleDyne™ 2 system is designed for treatment of 1 to 18 oz. (30 to 510ml) square, rectangular and rounded oval containers. The containers are treated as they ride on their side through the conveyor. Once one side has been treated the containers are flipped 180 degrees for second side treatment. To accommodate different size bottles the side guides and the electrode assembly are adjustable. Different shapes and sizes must be treated separately. There is no for aligning neck-front or back.

The BottleDyne 2 Corona treating system is designed for easy installation into molding, and printing lines eliminating unscrambling equipment and manual handling. The system can also be used as a stand-alone work-station.

Optional Equipment

Piece counter:

This feature counts the containers as they fall into the carton at the end of the conveyor. The counter is adjustable from 1 to 1000 containers to suit your packaging needs. Once the selected number of containers has been reached, the conveyor will stop

BottleDyne™ 1 Equipment Specifications:

Part no.:	10032-21
Container type/size:	Rounded ovals, rectangular and square: Width: 1.00" (25mm) to 4.00" (101mm) Depth: 0.25" (6.5mm) to 3.00" (76mm) Height: 2.00" (50mm) to 12.00" (300mm)
Container position during treatment:	Horizontal
Feeding of system:	Inline by belt conveyor or manually
Bottle speed:	Adjustable up to 32' (10.7m) per minute ≈ 4220 bottles (7 oz. 200ml) per hour.
Materials to be treated:	PE, PP, PET and other
Treating level:	Up to 70 mN/m (dyne/cm) depending on the application.
Input voltage:	200-240V, single phase, 50/60Hz
Power consumption:	Approximately 3 kW per hour

Optional Equipment

Piece counter:	Adjustable from 1 to 1000 containers on touch screen via human machine interface. Piece counter status and alarm shown on HMI screen. Part #44010-35
Automatic carton shift:	Once the selected number of containers have been reached, an alarm will sound signaling a carton is full and the chute shifts to the empty carton. Status, alarm and chute position shown on HMI screen. Part #44010-36
Ozone Filter and exhaust system:	Ozone filter with blower type A. Part #10090-02
Remote Control Interface:	a) Field Termination Part #44010-37 b) PROFIBUS* Part #44010-38

and an alarm will sound signaling removal of the full carton.

Automatic carton shift:

A delivery chute guides the containers at the end of the conveyor to one of two cartons. Once the selected number of containers have been reached, an alarm will sound signaling a carton is full and the chute shifts to the empty carton. This allows continuous treatment providing ample time for removal of the full carton. (This option may only be added in conjunction with the piece counter option).

Ozone Filter and exhaust system:

Ozone Cleaning System reduces the ozone level to meet EPA requirements (.05 PPM). The system includes a high volume, low-pressure exhaust blower, with an AC drive motor.

Remote Control Interface:

- a) Field Termination
- b) PROFIBUS*

*Profibus is a registered trademark of Siemens

3DT reserves the right to change the equipment specifications without prior written consent.