

Surface Activation System

The BT-Tumbler is a plasma processing system with an end loading rotating horizontal drum electrode. This system is designed to allow uniform plasma treatment of bulk loaded items such as small/hard to handle plastic. The BT-Tumbler is uniquely designed to handle the high volume applications of component manufacturers and is perfectly suited for surface activation and plasma cleaning.



STANDARD FEATURES

Electrode Configuration	24" Diameter x 26" Deep Rotating Basket; Includes Electronic Jog/Speed Control
Generator	1200W 13.56MHz Continuously Variable Power Supply with Automatic Matching Network
Gas Control	Two 0-500cc Mass Flow Controllers
Control System	Color PLC-Based Touch Screen Control Interface, Multiple Recipe Storage
Vacuum Gauge	1-2000 mT
Vacuum Pump	59CFM 2-Stage Direct Drive Oil Pump (Oxygen Service - Krytox Charged)
Chamber	6061-T6 Aluminum
Unit Dimensions	70" x 36" x 32"
Unit Weight	Approx. 1200lbs

FACILITY REQUIREMENTS

Electrical	50 Amps
Compressed Air Service	80-100PSI, 0.5CFM
Regulated Process Gases	25-30PSI

OPTIONAL FEATURES

- Custom Vacuum Chamber or Electrode Size
- Larger MHz Power Supplies with Automatic Matching Network
- PC-Based Control System
- Dry and Oil-Driven Vacuum Pumps and Blower Boosters
- Chiller System for Dry Vacuum Pump
- Chamber and Vacuum Pump Purge Systems
- Vacuum Pump Oil Mist Eliminator
- Vacuum Pump Oil Filtration
- Automatic Vacuum Control
- Additional Digital Mass Flow Controllers
- Software Configurable Gas Steering Matrix 2x5
- Low Gas-Source Alarm
- Light Tower
- Fume Scrubber