

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

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|-------------------------|---|
| 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

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|-------------------------|-------------------|
| 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