



TargetBlower

MODEL 6202e

The TargetBlower is a custom solution designed to control static in near critical environments. At five volts or better balance, it has the tightest specification of any ionizer in its class. The TargetBlower's space-saving design is perfect for point-of-use applications found in semiconductor final manufacturing and in other automated process tools. The collimated chassis¹ ensures directed ionized airflow at the target, efficiently eliminating hazardous static charge.

A self-maintaining balance system² and a patent-pending automatic cleaning system makes the TargetBlower a convenient device that delivers consistent, excellent performance without requiring time-consuming adjustments or maintenance.

Features and Benefits

- $\pm 5V$ balance or better
- Provides Class 0 (Charged Device Model) electrostatic protection to the most sensitive of devices
- Patent-pending, automatic emitter cleaning system
- Uninterrupted ionization is ensured with minimal user maintenance required
- Collimated chassis directs ionization to target area
- Optimized point-of-use protection is perfect for automated in-tool applications
- Enhanced features include Factory Monitoring System (FMS) connection and alarm LED
- Ionization status is easily monitored directly at the tool or from a remote location
- Compact size with no separate control box
- Charge protection for even the most space-limited automation tools

1. US Patent 7,295,418
2. US Patent 6,118,645



Specifications

TargetBlower Model 6202e	
Input voltage	24 VDC, 5W maximum from external power supply (100-240 VAC, 50/60 Hz) or from tool power
Indicators	Green LED for power, Red LED for alarm
Controls	Balance adjustment; fan high/off/low switch
Connectors	Telephone-style RJ handset input for external power supply or tool power; 2-pin terminal for FMS relay closure output
Ion emission	Patented pulsed DC
Emitter wire	Tungsten alloy corona wire
Airflow	27 cfm, typical
Discharge	Less than 3 seconds at one foot ¹
Balance	±5 volts or better ¹
Cleanroom class	Meets ISO 14644-1 Class 5, Fed std. 209E Class 100
Mounting	Two 6-32 mounting screw holes on bottom of blower
Operating environment	<i>Temperature:</i> 50-90°F (10-32°C) <i>Humidity:</i> 30-70% RH (non-condensing) Up to ISO Cleanroom Class 7 (Federal Class 10,000)
Ozone	<0.005 ppm, typical (24-hour accumulation)
Chassis material	Static dissipative plastic
Dimensions	4.2H x 2.6W x 3.4D inches (10.7H x 6.5W x 8.7D cm)
Weight	0.6 lb (272g)
Warranty	Two year limited warranty
Certifications	CE, TUV (both pending)

1. Tested in accordance with ANSI/ESD STM3.1-2006

Ordering Information

92-6202e	Contains: <ul style="list-style-type: none"> • TargetBlower Model 6202e (p/n 91-6202e) • External power supply (p/n 14-21106) • 4-pin cable, 10 feet, from power supply to Blower (p/n 33-1700-10-GRAY)
25-20660	US Plug – 8.2 ft (2.5 meters)
25-20710	UK Plug – 8.2 ft (2.5 meters)
25-20735	German Schuko Plug – 8.2 ft (2.5 meters)
25-20750	China Plug – 8.2 ft (2.5 meters)

Innovative Air Ionization Technology¹

The TargetBlower features a patented emitter wire design consisting of a thin filament electrode that generates a flowing ion airstream that produces greater ion generation. As a result, the TargetBlower is able to deliver excellent discharge times without the aid of external sensors in the close confines of tool equipment.

The self-cleaning ionization cleaning system is programmed to operate every twenty four hours when the TargetBlower is on at any speed. This means that once the TargetBlower is installed, no continued maintenance is required, ensuring ionization without interruption.

Maintained Balance

After initial setup to meet the application environment specifications, no further adjustments to the TargetBlower are necessary. The TargetBlower features internal circuitry designed to ensure uninterrupted, balanced ionization performance.

Mounting Options

The TargetBlower's small size and unique form factor provides flexibility in choosing a mounting location that allows the best ESD protection.



The TargetBlower may be mounted in a variety of possible positions.



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1. US Patents 7,212,393 and 7,057,130