Gen4™ Ion Air Gun™

Rugged, ergonomic static eliminating gun is a lightweight, effective spot cleaner!

What Is The *Gen4* Ion Air Gun?

EXAIR's Gen4 Ion Air Gun combines incredibly fast static decay rates with low compressed air consumption. It is the ideal way to remove static, contaminants and dust from three dimensional parts prior to assembly, packaging, painting or finishing. The Gen4 Ion Air Gun neutralizes static electricity and cleans at distances up to 15 feet (4.6m).

Why The *Gen4* Ion Air Gun?

The Gen4 Ion Air Gun induces surrounding airflow through the gun at a ratio of 5:1, minimizing compressed air usage and maximizing ionized airflow. The force can be adjusted from a "blast" to a "breeze". A comfortable grip and hand position allows hours of continuous use without fatigue.

The Gen4 Ion Air Gun is quiet, lightweight and features a hanger hook for easy storage. The 10 foot (3m) armored and electromagnetic shielded power cable is extremely flexible, designed for rugged industrial use.

The Model 8293 Gen4 Ion Air Gun cleaning artwork and glass prior to framing.

Applications

- Pre-paint dust removal
- Clean and neutralize three dimensional parts
- Removing dust from optics
- Cleaning molded parts
- Photo finishing
- Lens cleaning
- Furniture finishing
- Package cleaning
- Container neutralization

Advantages

- Electromagnetically shielded high voltage cable
- Armored high voltage cable protects against abrasion, cuts
- Integrated ground design requires no separate ground connection
- Replaceable emitter point
- Rugged, lightweight, easy to use
- Rapid static decay
- Low air consumption
- Quiet
- Shockless, non-radioactive
- Strong blowoff force and flow
- Low maintenance
- Meets OSHA pressure and noise level requirements

The Model 8293 Gen4 Ion Air Gun neutralizes and cleans plastic bottles prior to labeling.
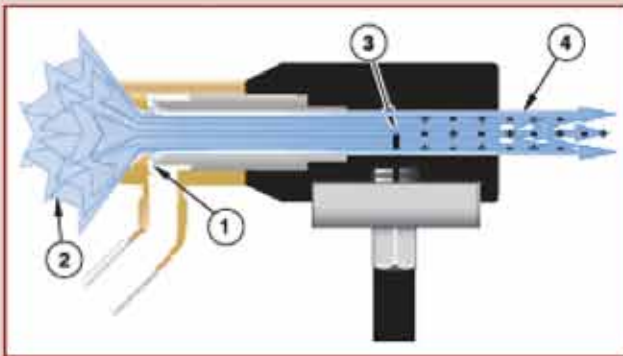
How The *Gen4* Ion Air Gun Works

The Gen4 Ion Air Gun incorporates a High Velocity Air Jet and electrically energized emitter point. A small amount of compressed air is injected into the air jet (1) inducing high volume flow of surrounding air (2) to pass through it.

The emitter point (shockless) at the discharge end of the gun (3) ionizes the entire airstream. **The result is a high volume flow of ionized air (4) capable of neutralizing high static charges in fractions of a second.** An optional filter and regulator clean the compressed air and allow infinite adjustment of airflow and velocity.

Gen4 Ion Air Gun Performance

Pressure Supply		Air Consumption		Sound Level	Dissipates 5kV*
PSIG	BAR	SCFM	SLPM	dBA	SECONDS
20	1.4	7.4	209	67	0.45
40	2.8	11.5	325	74	0.33
60	4.1	15.8	447	79	0.24
80	5.5	22.0	622	82	0.18
100	6.9	24.0	679	85	0.18

* 6" (152mm) from target. For airflow pattern, see Model 6013 High Velocity Air Jet on page 59.

Model 8493 Gen4 Ion Air Gun Kit includes the Gen4 Ion Air Gun, Model 7960 Gen4 Power Supply, filter separator and pressure regulator (with coupler).

Gen4 Ion Air Gun Specifications

EXAIR Model 7960 or 7961 Gen4 Power Supply (5kV) is required for bar operation. See page 129 for details.

Certifications: The Gen4 Ion Air Gun and Gen4 Power Supply are UL Component Recognized to U.S. and Canadian safety standards, and are CE and RoHS compliant.

Electrical: For use with 5 kVrms, 5 milliamperes (max.) power supply.

Electrical Hazard: Shockless (less than 40 microamperes short circuited).

Do not use near flammable materials or gases.

Materials of Construction:
Metal Parts: Brass, Zinc and Stainless Steel
Plastic Parts: UL rated 94 HB   **Emitter:** Stainless Steel

Maximum Ambient Temperature: 165°F (74°C)
Compressed Air: 1/4 NPT inlet provided.

80% of the delivered air is induced, minimizing air consumption of the Gen4 Ion Air Gun.

Gen4 Ion Air Gun

Model #	Description
8193	Gen4 Ion Air Gun Only includes 10' (3m) shielded cable*
8293	Gen4 Ion Air Gun and Gen4 Power Supply
8493	Gen4 Ion Air Gun Kit includes the Gen4 Ion Air Gun, Model 7960 Gen4 Power Supply, filter separator and pressure regulator (with coupler).

* For special length cables, please contact the factory.

Accessories and Components

Model #	Description
7960	2 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz)
7961	4 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz)
9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)
9008	Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,415 SLPM)
7905	Static Meter

Static Eliminators