



# ELECTROSTATIC BACKPACK SPRAYER

AERAS FOG

# TECHNOLOGY

One-of-a-kind electrostatic cordless backpack sprayer

Custom designed brushless motor system

Maximum Coverage of 2,000 sq. ft. per minute

Highest powered battery pack electrostatic sprayer  
on the market.

Particles are charged for 60 seconds

Interchangeable nozzle for a wider spray path

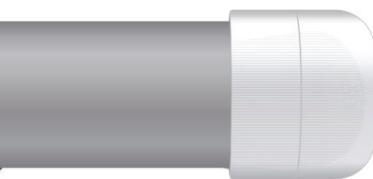
Adjustable flow rate varies from 5-50 micron



# ELECTROSTATIC SCIENCE

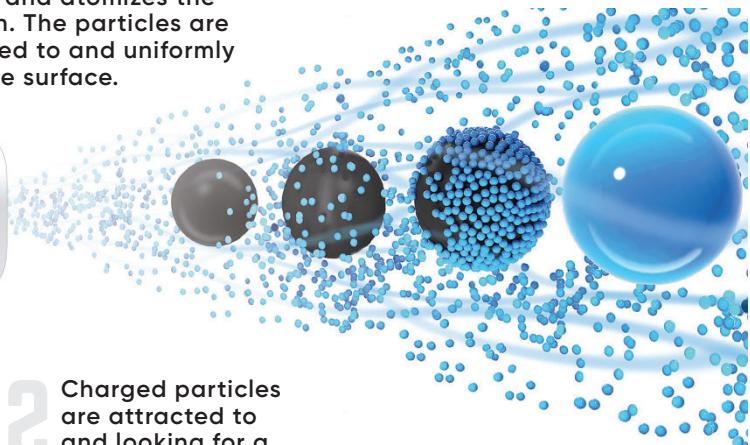
01

The nozzle induces a charge and atomizes the solution. The particles are attracted to and uniformly coat the surface.



02

Charged particles are attracted to and looking for a surface to ground to.



03

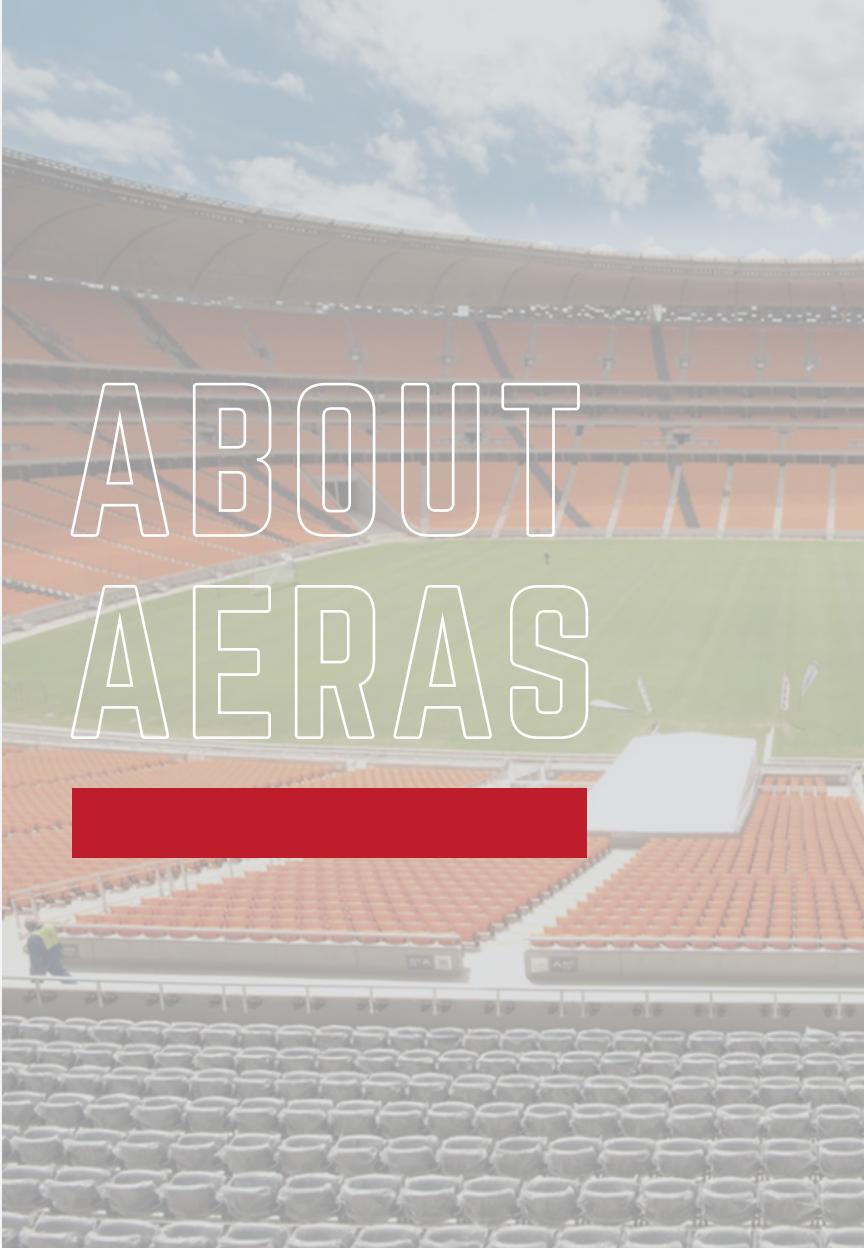
Solution reaches and wraps around surfaces.

04

Surfaces are uniformly coated with the solution.

## ELECTROSTATIC SPRAY TECHNOLOGY.

Disinfectants are typically applied to surfaces using hand-held trigger sprayers, pump sprayers, towelettes, or misters. ... Electrostatic sprayers produce a uniform output of very small, electrically charged droplets. The droplets are attracted to surfaces but repel one another.



# ABOUT AERAS

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**Aeras | (aéras) noun; the greek word for "air", "wind"**

Established in 2020, the Aeras Company is a Pittsburgh-based technology company specializing in electrostatics and drone technology.

In Q2, our ambitious R&D efforts led us to create and develop the first ever drone with the capability to spray and disinfect utilizing electrostatic technology.

We currently have multiple technologies that are patent-pending and once approved we will be the only company on the market with the ability to utilize electrostatic technology via drone.

We are pioneering the new standard in sanitization of stadiums, arenas, and venues of various sizes and capacities.

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# OUR TEAM

## CO-FOUNDERS

Eric Lloyd

Mergers & Acquisitions – Ernst & Young  
CPA

Justin Melanson

Inventor & Chief Technology Officer

Kevin Lloyd

Partner at Los Angeles Law Firm

Nick Brucker

Serial Entrepreneur + CEO at Sparq Designs  
Built 9th Fastest Growing Company in Pittsburgh (2019)

Bruce Brucker

Project Management & Manufacturing  
Aerospace/Deep Space – 30+ years of experience

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BUSINESS TIMES

**yahoo!**

## ELECTROSTATIC FOGGERS ON THE MARKET

# HOW WE STACK UP?



Aeras 1000 Cordless 10L  
Electrostatic Backpack Sprayer



VICTORY  
INNOVATIONS CO.

Professional Cordless  
Backpack Electrostatic Sprayer



Protexus PX300ES Cordless  
Backpack Electrostatic Sprayer

	Aeras 1000 Cordless 10L Electrostatic Backpack Sprayer	Professional Cordless Backpack Electrostatic Sprayer	Protexus PX300ES Cordless Backpack Electrostatic Sprayer
Voltage	48 V (Custom brushless motor)	16.8 V	16.8 V
Flow Rate	Adjustable Flow Rate 5-50 micron /	40 micron / 3.4 oz. per minute 80 micron / 5.1 oz. per minute 110 micron / 13.4 oz. per minute	40 micron / 3.4 oz. per minute 80 micron / 5.1 oz. per minute 110 micron / 13.4 oz. per minute
Particle Charge Time	60 seconds	2-3 seconds	2-3 seconds
Liquid Adhesion Coverage	30,000+ sq.ft. / tank	23,000 sq.ft./ tank	3,520 sq.ft./ tank
Optimum Spray Distance	3 ft. - 30 ft.	4 ft. - 6 ft.	4 ft. - 6 ft.