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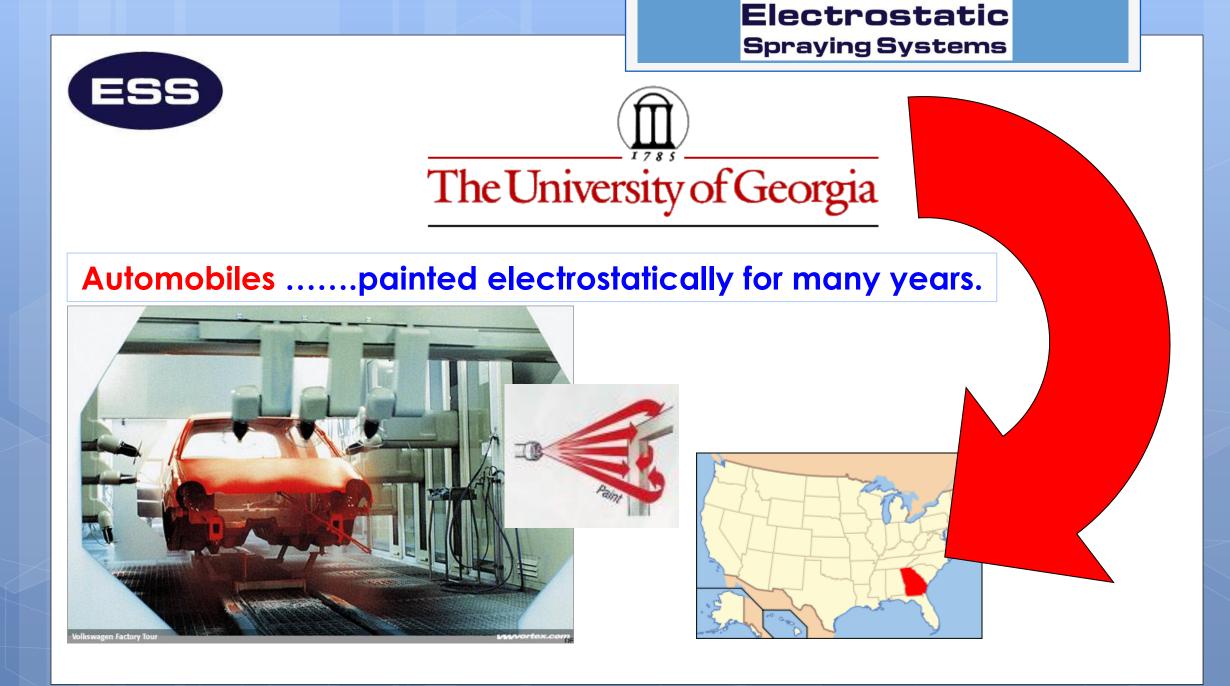
OVERVIEW...

OWhO is Electrostatic Spraying Systems? (ESS)
OHOW does ESS technology work?
OWhere is ESS technology utilized?
OWhat current applications are there for ESS technology?
OQuestions & Answers





o Who is Electrostatic Spraying Systems? (ESS)





Effective electrostatic spray technology...

o Apply water-based solutions o Produce tiny droplets...of approximately 40 microns in size o Assure that each droplet is electrostatically charged o Create high electrostatic attraction to the target o Provide even coating o Cover the bottom and back sides of the target o Use less water oUse less chemical



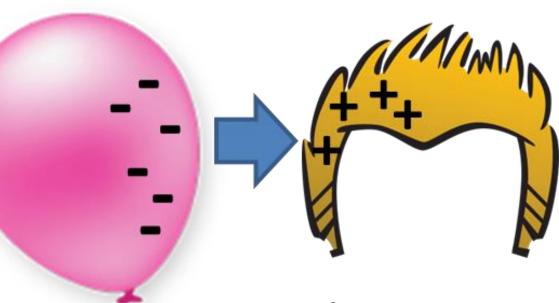


o HOW does electrostatic spraying work?



Electrostatic demonstration using a balloon and hair



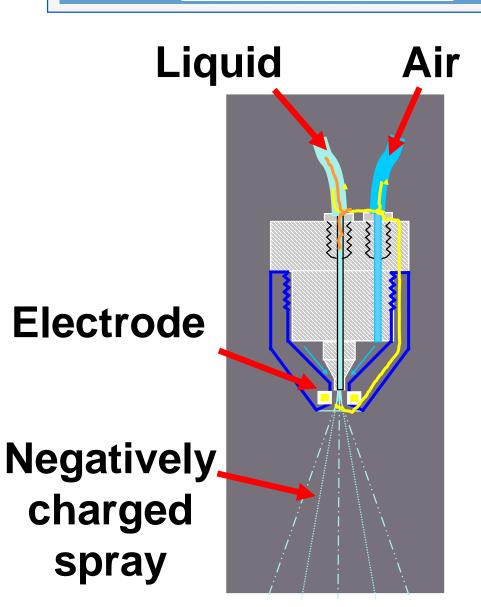


opposite charges attract



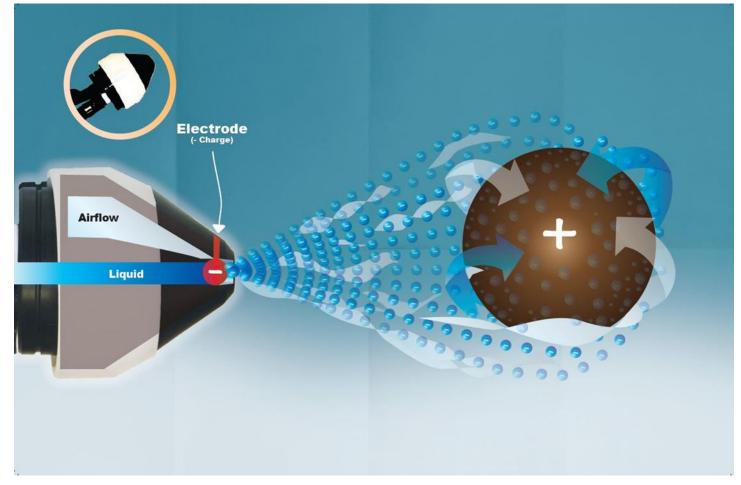
The Nozzle ...is the secret





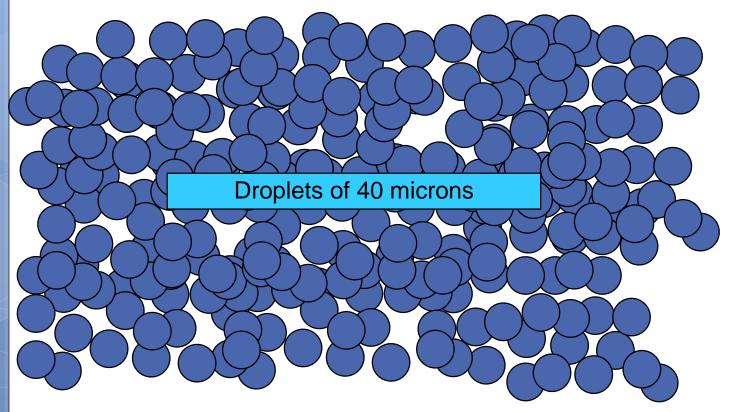


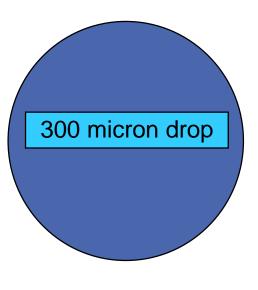
Electrostatic attraction and coverage





ESS spray technology.... Hundreds of small droplets not one large drop







Charge to Mass Relationship

Charge recorded	liquid	flow	(mL/ı	nin)																		
(-microAmps)	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	170	180	190	200
-3	-2.4	-2.3	-2.1	-2.0	-1.9	-1.8	-1.7	-1.6	-1.6	-1.5	-1.4	-1.4	-1.3	-1.3	-1.2	-1.2	-1.2	-1.1	-1.1	-1.0	-0.9	-0.9
-4	-3.2	-3.0	-2.8	-2.7	-2.5	-2.4	-2.3	-2.2	-2.1	-2.0	-1.9	-1.8	-1.8	-1.7	-1.7	-1.6	-1.5	-1.5	-1.4	-1.3	-1.3	-1.2
-5	-4.0	-3.8	-3.5	-3.3	-3.2	-3.0	-2.9	-2.7	-2.6	-2.5	-2.4	-2.3	-2.2	-2.1	-2.1	-2.0	-1.9	-1.9	-1.8	-1.7	-1.6	-1.5
-6	-4.8	-4.5	-4.2	-4.0	-3.8	-3.6	-3.4	-3.3	-3.1	-3.0	-2.9	-2.8	-2.7	-2.6	-2.5	-2.4	-2.3	-2.3	-2.1	-2.0	-1.9	-1.8
-7	-5.6	-5.3	-4.9	-4.7	-4.4	-4.2	-4.0	-3.8	-3.7	-3.5	-3.4	-3.2	-3.1	-3.0	-2.9	-2.8	-2.7	-2.6	-2.5	-2.3	-2.2	-2.1
-8	-6.4	-6.0	-5.6	-5.3	-5.1	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.7	-3.6	-3.4	-3.3	-3.2	-3.1	-3.0	-2.8	-2.7	-2.5	-2.4
-9	-7.2	-6.8	-6.4	-6.0	-5.7	-5.4	-5.1	-4.9	-4.7	-4.5	-4.3	-4.2	-4.0	-3.9	-3.7	-3.6	-3.5	-3.4	-3.2	-3.0	-2.8	-2.7
-10	-8.0	-7.5	-7.1	-6.7	-6.3	-6.0	-5.7	-5.5	-5.2	-5.0	-4.8	-4.6	-4.4	-4.3	-4.1	-4.0	-3.9	-3.8	-3.5	-3.3	-3.2	-3.0
-11	-8.8	-8.3	-7.8	-7.3	-6.9	-6.6	-6.3	-6.0	-5.7	-5.5	-5.3	-5.1	-4.9	-4.7	-4.6	-4.4	-4.3	-4.1	-3.9	-3.7	-3.5	-3.3
-12	-9.6	-9.0	-8.5	-8.0	-7.6	-7.2	-6.9	-6.5	-6.3	-6.0	-5.8	-5.5	-5.3	-5.1	-5.0	-4.8	-4.6	-4.5	-4.2	-4.0	-3.8	-3.6
-13	-10.4	-9.8	-9.2	-8.7	-8.2	-7.8	-7.4	-7.1	-6.8	-6.5	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2	-5.0	-4.9	-4.6	-4.3	-4.1	-3.9
-14	-11.2	-10.5	-9.9	-9.3	-8.8	-8.4	-8.0	-7.6	-7.3	-7.0	-6.7	-6.5	-6.2	-6.0	-5.8	-5.6	-5.4	-5.3	-4.9	-4.7	-4.4	-4.2
-15	-12.0	-11.3	-10.6	-10.0	-9.5	-9.0	-8.6	-8.2	-7.8	-7.5	-7.2	-6.9	-6.7	-6.4	-6.2	-6.0	-5.8	-5.6	-5.3	-5.0	-4.7	-4.5
-16	-12.8	-12.0	-11.3	-10.7	-10.1	-9.6	-9.1	-8.7	-8.3	-8.0	-7.7	-7.4	-7.1	-6.9	-6.6	-6.4	-6.2	-6.0	-5.6	-5.3	-5.1	-4.8
-17	-13.6	-12.8	-12.0	-11.3	-10.7	-10.2	-9.7	-9.3	-8.9	-8.5	-8.2	-7.8	-7.6	-7.3	-7.0	-6.8	-6.6	-6.4	-6.0	-5.7	-5.4	-5.1
-18	14.4	-13.5	-12.7	-12.0	-11.4	-10.8	-10.3	-9.8	-9.4	-9.0	-8.6	-8.3	-8.0	-7.7	-7.4	-7.2	-7.0	-6.8	-6.4	-6.0	-6.0	-6.0



Electrostatic demonstration...which is better coverage?

NO electrostatics



With electrostatics





o WHERE does ESS do business and have sprayers?



ESS Spray Technology in 57 Countries





Worldwide Volume Distribution Partners





o WHAT are the current applications?



Agriculture Sprayers









Australia







Greenhouse Sprayers



Electrostatic Spraying Systems









Building & Vehicle Sprayers







Post Harvest, Meat & Food







Electrostatic Spraying Systems



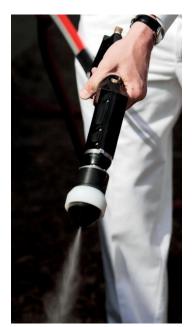


Disinfection Sprayers



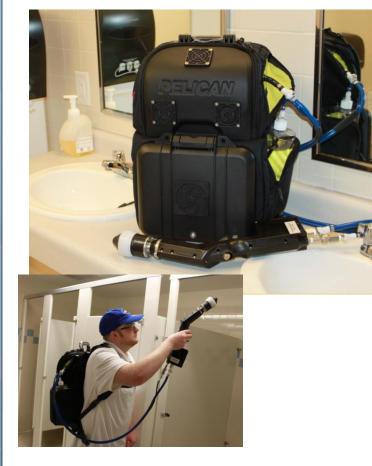








Handheld Sprayers





Electrostatic Spraying Systems

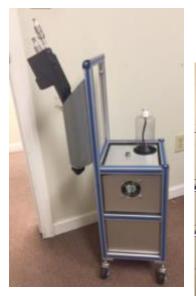








Hospital Spray Carts





Electrostatic Spraying Systems





OTHER ELECTROSTATIC SPRAYERS:

o Victory



o E-mist

• Hurricane fogger

o Clorox

OTHER NON-ELECTROSTATIC:

- o Toni ionizer
- FogMaster



DEMO SPRAYERS:

Demo sprayers are available for purchase at a major discount.

Electrostatic Spraying Systems







A few satisfied customers:













Electrostatic Spraying

oBetter coverage oLess water oLess chemical

... It is that simple!