

॥ तथास्तु ॥

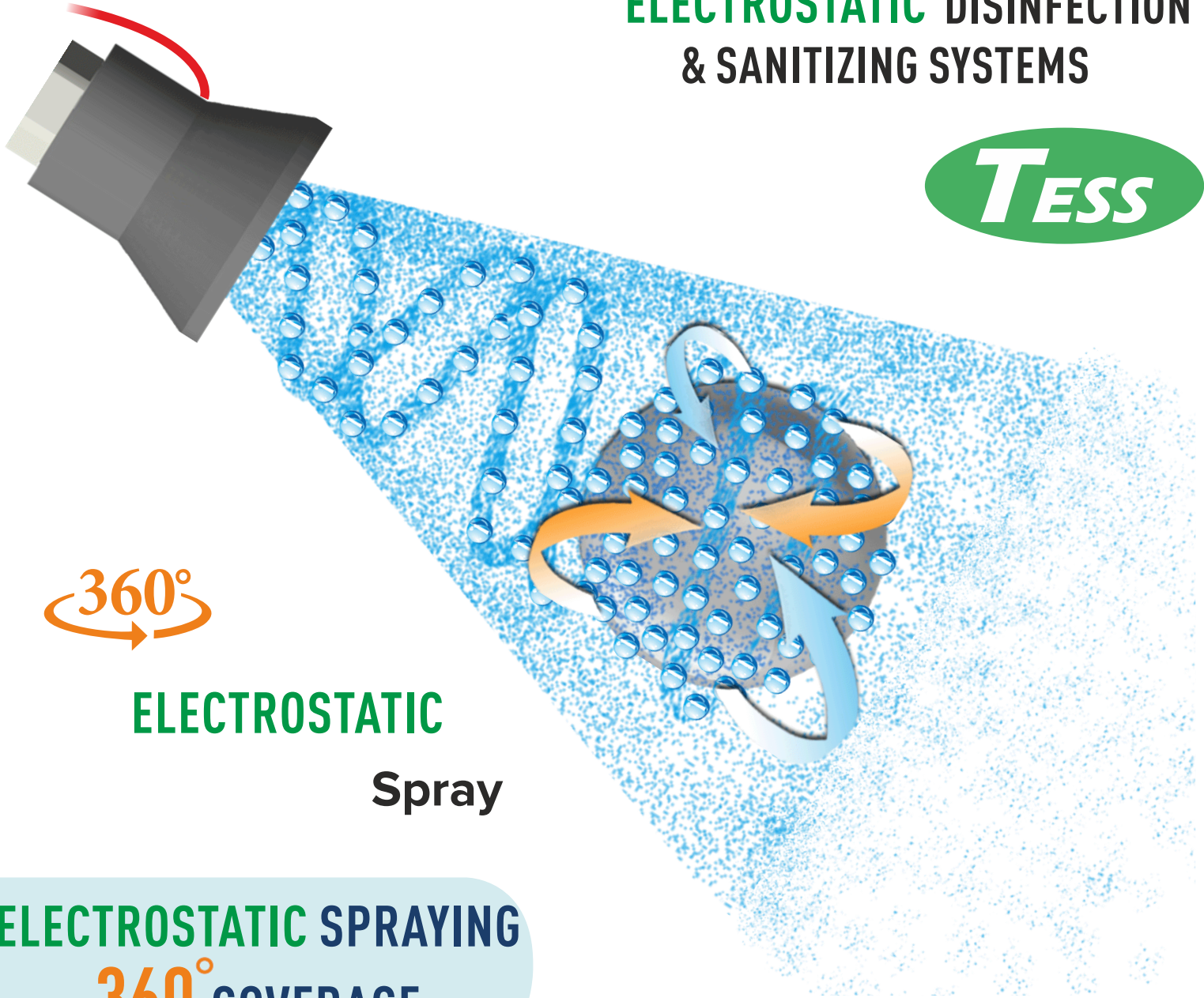
||Tathastu||



ISO 9001:2015 Certified

# NEXT GENERATION

## ELECTROSTATIC DISINFECTION & SANITIZING SYSTEMS



360°

ELECTROSTATIC

Spray

ELECTROSTATIC SPRAYING  
360° COVERAGE

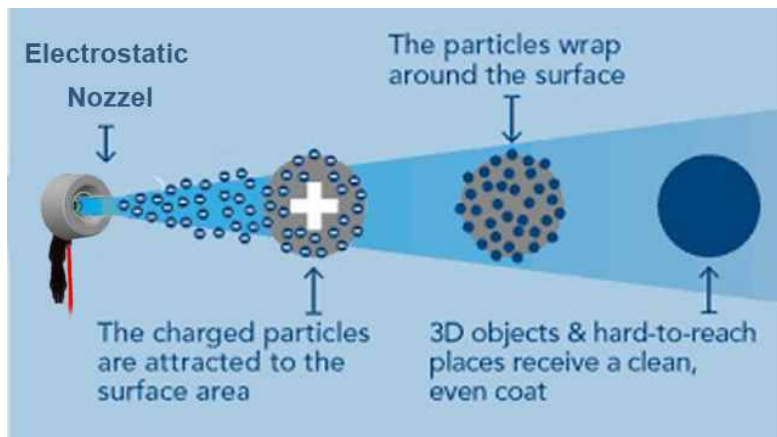
**TESS®** is Tathastu Electrostatic spray system. It is for eliminating and preventing the spread of infection across facilities of all sizes like building, offices, bus stop, railway stations, hospitals, public transport vehicles, industries. Electrostatic spray particles are completely safe for laptop, desktop, TV, documents, papers, tables, chairs, pen, mobile, water bottle, access control panel, lift corners & controls, round bar like all shapes and electronic equipments.



# TESS® Electrostatics

better spray coverage

TESS® is especially customized for Disinfection. You can mix any Disinfecting chemical as per guidelines suggested.



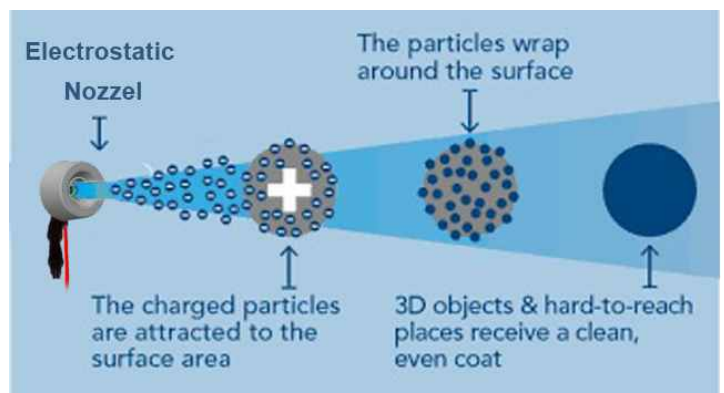
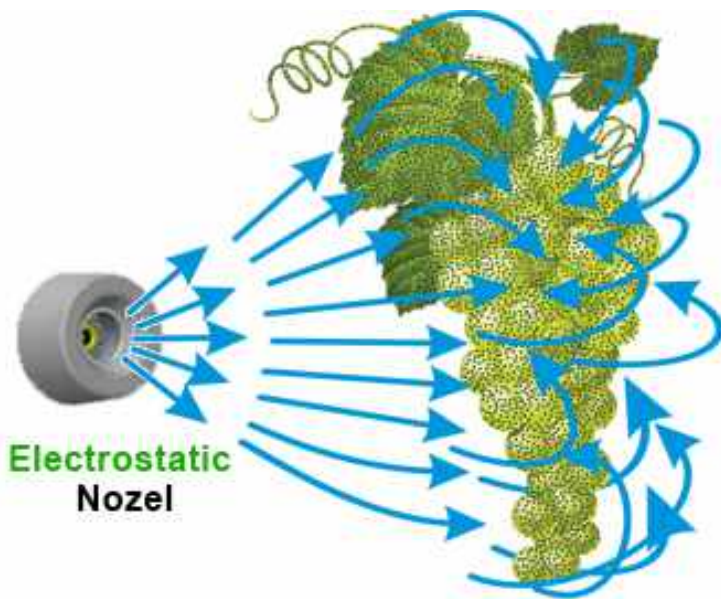
TESS® Desinfection spray is an ideal for all types of Desinfection with suitable spray chemical.

Suggested suitable places are like Hospitals, public vehicles, offices, schools, colleges, all types of industries, offices, gyms, ports, bus stops, restaurants, etc.



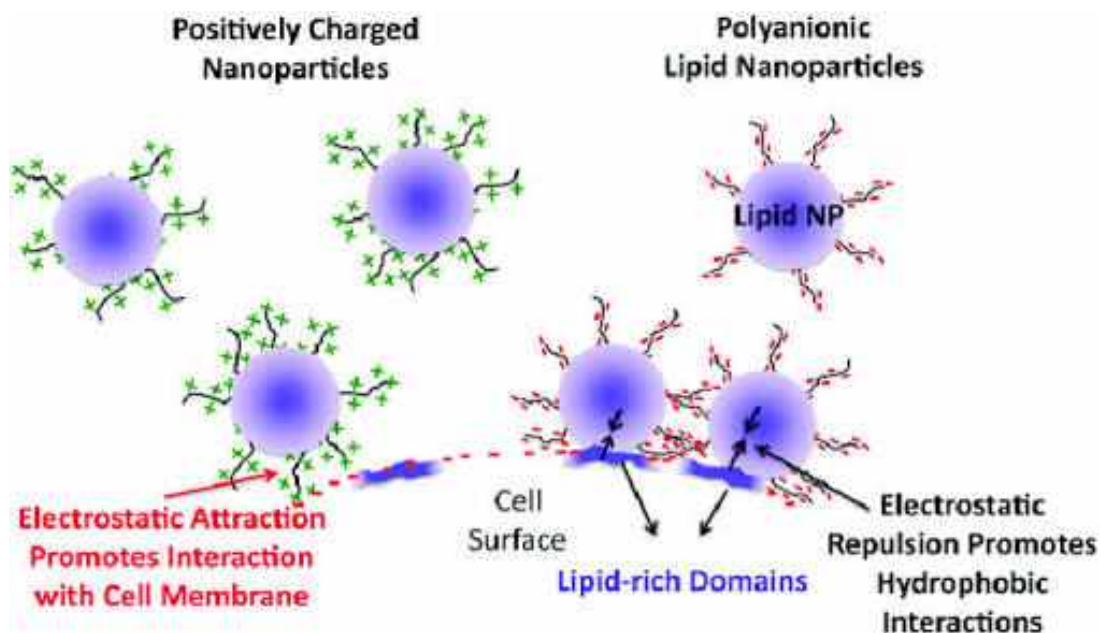
## What Is Electrostatic Disinfection?

Electrostatic spray surface cleaning is the way of spraying an electrostatically charged particles onto surfaces and objects. Electrostatic spray uses solution which is combined with motor/compressor forces and atomized by an specially designed nozzles & electrode inside the sprayer. Hence, the spray contains charged particles that can forcefully stick to surfaces and objects. Since the particles in the spray are charged, they stick to and coat any surface they're targeted at. The nature of the Electrostatic charged particles permits it to coat evenly on uneven shaped objects surfaces even if the particles are only sprayed from one side. After the spray is applied, the sanitizing agent attempts to disinfect the covered surfaces. Thus, electrostatic spray is an a brilliant solution for germ and contaminant ridden areas.



## How Does Electrostatic Disinfection Work?

We know the nature's law, Opposite charges attract and same charges repel each other. On this simple phenomenon the electrostatics spraying system works. So, spraying particles is Electrostatically charged, permitting the suitable sanitizers, mold preventatives and disinfectants to wrap around and uniformly coat all types of surfaces for a more sanitized than conventional sprayers. As the chemical exits from the electrostatic sprayer, it's given a positive electrical charge. Then the droplets become attracted to all negative surfaces, covering the visible area, underside and backside, with the sanitizing agent. Surfaces that are already covered will repel the spray particles to cover more surface area and never overlap each other. This makes electrostatics spraying system extremely efficient.




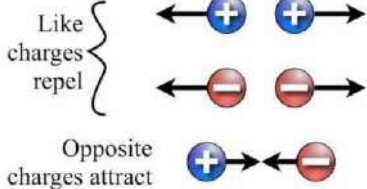



**TESS<sup>®</sup> Long distance spraying benefits:**

- ⦿ **Reduces 50% time** taken to cover & disinfect all surfaces and hard-to-reach places as compared to conventional methods
- ⦿ **Improves infection control** and the spread of viruses
- ⦿ Applies chemicals in a **more efficient & controlled manner**
- ⦿ **The risk of chemical overuse eliminates**
- ⦿ **7-8 ft Distance target** can achieve
- ⦿ **Very easy** to spray at **Unreachable corners** with long distance Electrostatic gun.
- ⦿ **50-55 micron** Particles size with **150-170 ml/mnt discharge** which is very suitable in environment up to **40°- 45°c** ambient temperature and natural air wind.
- ⦿ **Keep spraying person away** from continuous expose of spraying chemical with **long distance Gun size** with extension.
- ⦿ It **saves money & very economical** compare to others.
- ⦿ **7 hours** battery run time (**dual battery** optional).



**TESS<sup>®</sup> Features:**


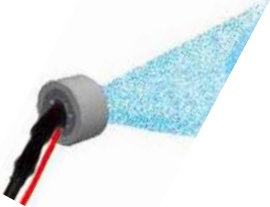

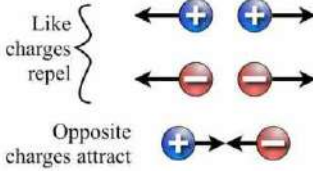

<p>It have Electrostatic nozzle with Electrostatic charge controller.</p>	
<p>The spray is having an angle of 60° at nozzle.</p>	
<p>Electrostatic charge particles cover the object uniformly.</p>	
<p>Because of electrostatic charge particles, it covers maximum area of object.</p>	<p style="text-align: center;"><b>Uniform deposition</b> <b>Electrostatic Charge Particle</b></p>
<p>Charge particles repel each other to assure complete area to be covered.</p>	
<p>Time taken to cover an object is 50% less than conventional sprayer</p>	

## Where you can use Electrostatic Spraying Disinfection Sprayers / System?

Electrostatic Spraying Disinfection Sprayers / System is the best alternative for desktops, chairs, floors, walls, round bars, corners & uneven surface objects that need to be absolutely spotless also for hard to reach places and objects if its part is heavily trafficked. Electrostatic spraying is the most comprehensive way to remove germs and dirt. The most applicable places are public places like Railway stations, bus stop, air ports, corporate offices, government offices, hospitals, banks, malls, restaurants, ATM, Shops, gardens, religious places, railway coach, airplane, buses, public vehicles, cars ect.



**Why Tathastu Electrostatic spraying system?**

Conventional sprayer	Electrostatic spraying system	
It have simple nozzle	It have Electrostatic nozzle with Electrostatic charge controller.	
The spray does not have a specific angle	The spray is having an angle of 60° at nozzle.	
Particles are deposited on objects randomly and unevenly	Electrostatic charge particles cover the object uniformly.	 <p>Uniform deposition Electrostatic Charge Particle</p>
As it doesn't have charged particles, only visible area is covered	Because of electrostatic charge particles, it covers maximum area of object.	
Particles stick to each other making it difficult cover max area uniformly	Charge particles repel each other to assure complete area to be covered.	 <p>Like charges repel</p> <p>Opposite charges attract</p>
Time taken to cover an object is more than electrostatic sprayer	Time taken to cover an object is 50% less than conventional sprayer	



Why Tathastu Electrostatic spraying system?

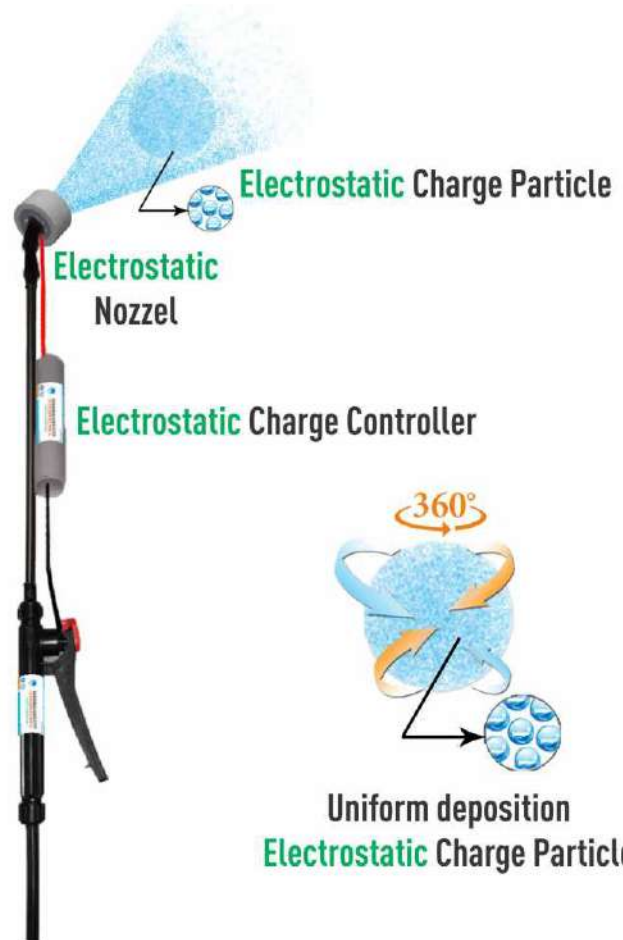
Ordinary spraying gun



Uneven deposition of particles

॥ तथास्तु ॥  
**॥Tathastu॥**   
ISO 9001:2015 Certified

**Electrostatic Spraying System**

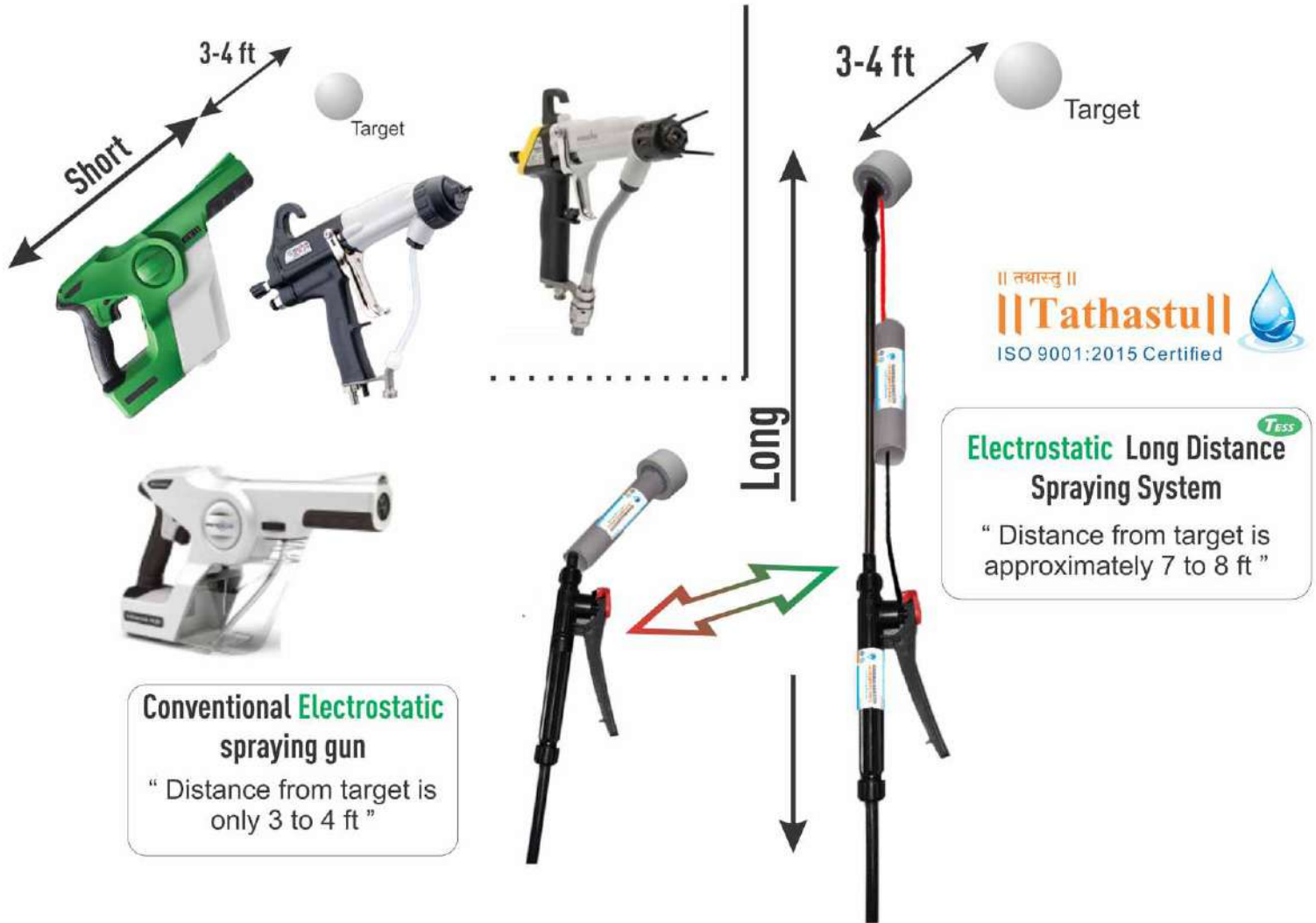


**Safe for spraying person**

<b>Conventional Electrostatic Gun</b>	<b>Electrostatic Long distance spraying system</b>
3-4 ft Distance target can achieve	7-8 ft Distance target can achieve
Very difficult to spray at Unreachable corners	Very easy to spray at Unreachable corners with long distance Electrostatic gun
Almost 20% small micron Particles size evaporate easily before reaching to target in more than 30° ambient temperature which is very common in most of countries	50-55 micron Particles size which is very suitable in environment up to 40°- 45°c ambient temperature
Short Gun size is very close to spraying person which expose to continuous close environment of spraying chemical & Some electrostatic particles attract towards person continuously. * 100% covered apron for spraying person which is impossible every time	Long distance Gun with extension to keep spraying person away from continuous close environment of spraying chemical
cost is very high	Very economical compare to others
2 to 3 hours battery run time	7 hours battery run time

TESS® is Best

Why Tathastu Electrostatic spraying system?



Short size Gun is very close to spraying person which attract spraying chemical towards person continuously which affect his health.

\* PPA suits for spraying person which is compulsory & is not comfortable everywhere & every time.

Long distance electrostatic Gun with extension try to keep spraying person away from continuous expose of spraying chemical.