

# GE TEK

We Care for Power & Environment



# ElectroStatic **PRECIPITATOR** **ESP**



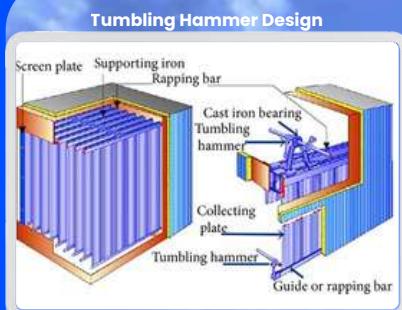
[www.getekelectronics.com](http://www.getekelectronics.com)

Corporate Office:

**GE TEK ELECTRONICS PVT LTD.**

Shed.No.8, Phase-VI, SIDCO Industrial Estate,  
Maraimalai Nagar, Chennai-603209, India. **044-22414272**

**✉ apce@getekelectronics.com, info@getekelectronics.com**



EMIGI Design

## ELECTROSTATIC PRECIPITATOR

### Principle of Operation

**Stage:1** A high voltage is applied between the discharge and collecting electrodes, generating a corona discharge that produces negative ions

**Stage:2** The negatively ionized dust particles are attracted to the collecting electrode due to electrostatic attraction between the two unlike charges

**Stage:3** The dust accumulated on the collecting electrode is removed and collected into the hoppers by rapping system

### GE TEK is a world class supplier to

- Boiler OEM's
- Sugar Industry
- Process Industry
- Pulp and Paper Industry
- Cement Industry
- Steel & Sinter Plants
- Power Plants
- Glass Manufacturing Plants
- Palm
- And various other industries

### Advantages

- ESPs are very efficient even for small particles
- Operating costs are reduced by low energy consumption
- Minimal maintenance requirements
- Can be designed to handle wet and dry gas compositions for a wide range of gas temperatures.
- Handle large volumes of gases
- Low pressure drop
- To Handle High Moisture & High Unburnt Carbon

### FEATURE

The unique characteristic of ESP lies in the direct application of a separating force to the particles, which does not influence the entire gas stream. This results in a significantly lower pressure loss in comparison to other type of dust collection systems.

### Highlights

- Core Competency
- Well proved design
- Selection of Collecting & Discharge Electrodes
- Efficient rapping
- Low weight
- Competitive design (Low Weight)
- TR Set controller (OWN Design)
- In-House Manufacturing facility
- Strength of Execution
- Vide Commissioning knowledge

Exclusive design for both Tumbling (Bottom and Top Rapping) and EMIGI.

**TUMBLING** & **EMIGI**