

Case studies

Electronics

“The Fog Engineers”
 H. IKEUCHI & CO., LTD.

Process: Surface Mount Process

Humidity control in surface mount process reducing pick and place errors, and gaining the trust of customers.

Increasing pick and place errors in wintertime; measures against static electricity needed.

Each winter when humidity went lower, an electronics manufacturer faced an increasing number of PCB assembly failures mainly due to errors in pick and place of surface-mount devices.

On the occasion of building a new factory, they came to a decision to install a humidification system to meet the requirement of the customers that urged a strict humidity control. Having observed our Dry Fog Humidification System already in use at another customer, they contacted us.



Achieving in-process humidity 55% in the wintertime, reducing failures and also gaining the trust of customers.

Dry Fog Humidification System AirAKI® installed into the surface mount process of the new factory helped automatically maintain the in-process humidity at 55%, which had been previously below 30% in the wintertime, and reduced the failure rate.

Ensuring the humidity control by installing a humidification system as a measure against static electricity was highly evaluated when a process audit was conducted by the customer, thereby gaining the higher trust from them. Installation of the same system to the surface mount process and the soldering process in the original factory is now under consideration.



Dry Fog Humidification System AirAKI®

AirAKI®, an energy-saving humidification system spraying "Dry Fog" that does not wet products, equipment and people, prevents problems caused by static electricity, reduces defective products and improves product quality.

It also helps reduce the cooling load on existing air-conditioners.



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Contact



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