



OZONE INDIA TECHNOLOGY
(An ISO: 9001:2015 Certified company)



OZ INDIA™ are manufacturing design, supply, installation (plug & play), commissioning, maintenance and spares supply stainless steel ultrasonic humidifier and installed many applications likes, mushroom industries, cashew industries, textile, battery process, pcb manufacturing leading of different area.

INDUSTRIAL ULTRASONIC HUMIDIFIER

An ultrasonic humidifier uses a ceramic diaphragm vibrating at an ultrasonic frequency to create water droplets that silently exit the humidifier in the form of cool fog.

Ultrasonic humidifiers use a piezoelectric transducer to create a high frequency (1-2 MHz[13]) mechanical oscillation in a film of water. This forms an extremely fine mist of droplets about one micron in diameter, that is quickly evaporated into the air flow.

it is the main difference between the two: One type of cool-mist humidifier uses ultrasonic vibrations to disperse a cool mist of water into the air. ... A steam vaporizer or warm-mist humidifier uses electricity to power a heating element. It boils water and creates steam

INDUSTRIAL ULTRASONIC HUMIDIFIER APPLICATIONS-

Mushroom process-

Mushrooms are mostly water, so it stands to reason that they need water to grow, Mushrooms need humid conditions to grow and so without humidifiers mushroom production cannot be guaranteed, important to keep the humidity at the correct level during storage



OZ INDIA™ Humidifiers therefore provide the following advantages:

- Higher output
- Prevention of dehydration and brown spots forming on the mushrooms.

Cold Storage –

OZ INDIA™ Humidification prevents dehydration, protecting revenues and prolonging shelf life. OZ INDIA™ Humidification with ultra-fine droplets meaning that they can be used directly in the cool cell without wetting the contents.

Actually Lower quality products have a lower value OZ INDIA™ humidification system has the following advantages:

- Prevents weight loss
- Prolongs the shelf life
- Maintain quality
- Free additional cooling
- Low energy usage



Tobacco industry-

OZ INDIA™ humidification system provide the solution of good quality of Tobacco. Tobacco is hygroscopic meaning that dry air will absorb the moisture from the tobacco leaves. The optimal level for tobacco processing is a humidity of 65%. If the air is too dry the taste and quality of the tobacco will be affected. The leaves will shrink, becoming more fragile, and there will be a loss in weight. The tobacco will quite literally fall out of the cigarettes. Regulating the humidity provides the following advantages:

- Preserves the quality of the tobacco
- Increases the production speed
- Prevents weight loss
- Prevents dehydration of the tobacco
- Reduces weight loss
- Maintains the quality for an enhanced smoking experience.



Bakeries industry-

OZ INDIA™ humidification system provide advanced design the solution of good quality of product in bakeries. Every bakeries industries know that right humidity is vital for the quality of the product. If humidity is not right, outer layer can become too dry which will result in a harder crust. Its result decrease the quality of the bread, roll, pastry, peda etc.

- Better quality of the products
- Flour dust reduction
- Reduced absence due to sickness



- Energy saving due to the adiabatic cooling effect
- Reduced use of oil
- Comfortable working environment

Textile production-

OZ INDIA™ ultrasonic humidifier designed for textile industry for reduce weight loss of product, maintain yarn quality like strength and elasticity, reduced wastage and quality product with higher margins.

Static can cause reduced productivity and product quality due to lint and fly attraction ,machine jams and employee discomfort or even accident.

OZ INDIA™ ultrasonic humidifier reduced yarn breakages in weaving, reducing machine downtime and weavers knots in the finished product.



Paper & pulp production-

OZ INDIA™ ultrasonic humidifier designed for paper & pulp industry and fully automatic as per customised .low humidity ,below 50% cause the paper to shrink ,curl and lose dimensional making the reel of paper unusable and in turn very costly to the manufacturing.maintain the humidity in the paper not only the flexibility of the product but also its stability during production and packing.



OZ INDIA™ solutions improve production efficiencies and the quality of paper while reducing waste. Because engineers customize the equipment to your facility's exact needs, the systems complement existing monitoring and control devices, improve humidity control, save energy and reduce operating costs

Automotive manufacturing-

OZ INDIA™ ultrasonic humidifier designed solution of automotive production maintaining 55% relative humidity in sanding decks, dust is suppressed and static build-up reduced. This prevents airborne paint dust from being attracted to the surface of the bodywork, greatly decreasing sanding time and improving the quality of the finish.

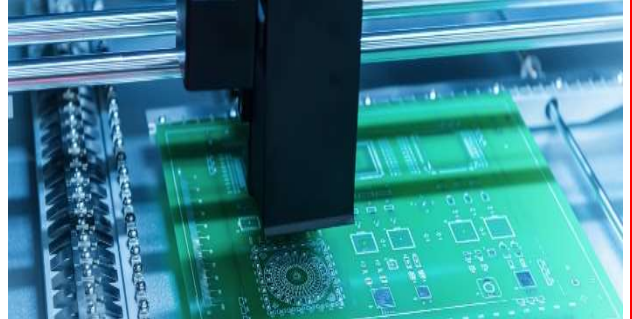


- Paint spray booths

- The optimum humidity for the transfer of paint from the spray nozzle to bodywork is 72%RH. At this level evaporation of the paint is reduced allowing it to reach the bodywork as the manufacturer intended. Reducing moisture evaporation from the paint also reduces the amount of paint dust that is introduced to the spray booth

Electronics manufacturing-

OZ INDIA™ humidification system provide advanced design the solution of good quality of product in electronics production. mostly problem of electronic device ElectroStatic Discharge (ESD).



- Electrostatic discharge (ESD) is the sudden flow of electricity between two electrically charged objects caused by contact. The ESD occurs when differently-charged objects are brought close together or when the dielectric between them breaks down, sometimes creating a visible spark.
- A person carrying a relatively small electric charge may not feel a discharge that is sufficient to damage sensitive electronic components.
- Static Electricity
- One of the causes of ESD events is static electricity. Static electricity is often generated through turbocharging – the separation of electric charges that occurs when two materials are brought into contact and then separated.
- Minimizing damages to manufacturing equipment and product caused by ESD (Electrostatic discharge)

Explosive & Munition manufacturing-

OZ INDIA™ humidification system provide advanced design the solution of good quality of product during the manufacturing of explosive devices such as munitions, fireworks or flares, uncontrolled static electrical discharge presents a high risk to the combustible materials being processed. By maintaining a humidity of 55%RH static build-up is avoided as the moisture acts as a conductor and dissipates any electrical charge generated by friction.



Our valuable world level client-



ANNAPURNABAKERIES (P) LTD. DONGYANG ELECTRIC AND POWER LTD

EGCHEM COMPONENT INDIA PVT LTD, ELECTRONIC & POWER CONTROL

CO. JUPITER INTERNATIONAL LTD, OAT & IIL INDIA LABORATORIES PVT LTD,

PARKSONS ENGINEERING CO . VAC ENGINEERS(AIRCONDITIONS SOLUTIONS)



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