

## Customer Testimonials

# Suppressing defects and dust in the lens industry

## Dry Fog Humidifier AKIMist®“E”



“The AKIMist “E” Dry Fog humidification system is easy to build and minimally interfered with production during deployment. The system allowed us to reach the desired relative humidity and reduced dust particles effectively. It also reduced the temperature so we saved energy.”

Customer Testimonial - Hoya Lens Manufacturing Hungary Private CO. - Mr KOSA Lajos

### Customer's introduction Hoya Lens Manufacturing Hungary Private CO.



Hoya Lens Manufacturing Hungary Private CO. is an affiliate company of Hoya Vision Care Europe. It develops products in the fields of eye care with mineral lenses and plastic tinted lenses and is the biggest supplier of mineral prescription (RX) lenses of Hoya Vision Care Europe. After production, Hoya exports their lenses all over the world.

#### A highly precise industry

Lenses production is a meticulous process. With Hoya's high-quality standards, **limiting the defects** during production is a challenge. When you manufacture lenses, one of the issues that impacts the defects rates is dust.

Dust can get in the way of the glass during the production and cause imperfections. A **dust suppression system** is an excellent way to get rid of this problem while controlling the humidity.

#### Why Hoya picked IKEUCHI ?

Mr. Kosa, the general manager of the Hoya Hungary facility, contacted IKEUCHI because he was looking for a **high-performance humidification system**. The facility was already equipped with another system, but the results were not satisfying to Hoya Lens Manufacturing (See the resulting graph on the right ). They were looking for more stable relative humidity (RH) and temperature levels.

Our engineers quickly found the appropriate solution. They advised him to set up an AKIMist®“E” in all three zones of the facility where **humidity control** and **dust suppression** were needed. Our AKIMist®“E” spread a Dry Fog that humidifies indoor environments without wetting. It was the perfect solution for a factory that can't afford to have puddles or droplets on its devices.

#### A smooth installation

According to Mr. Kosa, the AKIMist®“E” Dry Fog humidification system was "easy to build" and "minimally interfered with production during deployment". It did not take long and did not disturb the facility in any ways.

#### Exceptional results

After successfully installing the AKIMist®“E”, Hoya observed **instant results in the ability to control the humidity levels**.



The lens fabrication is producing a lot of heat. This creates a risk for electrical devices and employees, along with requiring substantial expenses in the HVAC system. The AKIMist®“E” system managed to **drop the temperature by 3 degrees** on average, according to Mr. Kosa.

The relative humidity levels were low and volatile, but it changed as soon as the AKIMist®“E” was operating. The three zones reached a level of **45-50% relative humidity**, which solves all dryness-related issues. The **dust-related defects were reduced by 30%** which represents a huge benefit.

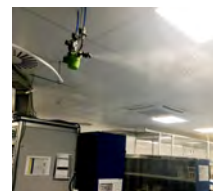
### Hoya Lens Manufacturing Hungary Private CO.

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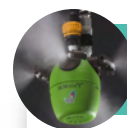
#### Satisfaction leads to an extension project

Mr KOSA was really satisfied after the initial installation, and he decided to extend the AKIMist®“E” project to 7 additional AKIMist®“E” units.



The reliability and outstanding results convinced him that **our solution was optimal** to meet the requirements of his industry.

Check our website for more projects:



### Dry Fog humidifier AKIMist®“E”



An energy saving  
pneumatic humidifier  
that generates  
non-wetting fog

For inquiries / information request / quotation on this product, please contact us through one of our offices below.

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