

## Customer Testimonials

# Uniformly Moistening Deep inside the Yarn Cone

## AKIMist®“E” Dry Fog Humidifier

**Tangible improvement in the humidifying environment with an affordable installation cost. An additional profit of \$150,000.00 USD per year is expected.**

**Pt. Jesi Jason Surja Wibowo (Plant #1)**  
**Mr. William Halim (Owner)**

### About the End-user

Pt. Jesi Jason Surja Wibowo (JJSW) is a spinning manufacturer located in Boyolali, Central Java in Indonesia. All the manufacturing facilities are equipped with brand new, state-of-the-art machines from Japan and India to produce carded and combed Ne 10 – Ne 40 count cotton. JJSW exports their high quality products to Asia, Europe, Middle East, USA and other countries.

### Background

In the spinning industry, to maintain a certain level of moisture in cotton has been the traditional practice to ensure the quality of the yarn. The price is dependent on both the quality and weight which has a big impact on the profit. The range of the moisture allowed within the yarn is specified in the Standard.

IKEUCHI's AKIMist®“E” Dry Fog Humidifier (AE) was introduced to me by an acquaintance also working within the spinning industry. In the outgoing packing process we were considering humidification. The cones need to be moistened evenly, and I felt there was good potential with the AE system. The fog is ultra-fine, and therefore can provide uniform humidity without the chance of wetting or dripping.

### Demonstration and Quick Decision

We requested an immediate demonstration of the Dry Fog system and IKEUCHI was quick to respond. Our owner also observed the AE system in another company's plant. Once we were convinced this product would fulfill our needs, we instantly decided to move forward with the system.



Moistening by AE

### Moistening Improvement by AE

The results after the installation were very good. We achieved the target moisture content by operating AE inside of a simple vinyl partition and storing the cones within the fog for five hours. The fog not only moistened the surface but also moistened evenly inside the cones. The floor and surrounding equipment did not get wet!

Moistening Effect by AE

	Before AE Installation	After AE Installation
Humidity	50%RH	90%RH
Weight of a Cone	2,500g	2,530g
Moisture Content of a Cone	6.0%	7.5%

### Profit increased by \$150,000.00 USD per year.

By moistening the cones steadily, we estimate our profits have increased by \$150,000.00 USD a year. Purchase and installation cost of the AE system was about \$10,000.00 USD\*2, and the operating costs are inexpensive. We quickly recouped our investment.

The largest benefit is the improvement in the quality of our yarn. With adequate moisture our yarn rarely tears or breaks. We also anticipate future benefits from the satisfaction of our customers. The improvement of their process will lead to positive feedback and possible future opportunities for growth.

### PT. Jesi Jason Surja Wibowo

<http://jjsw.co.id/>

\* Please refrain from directly contacting to avoid inconveniencing the client.

### Productivity Improvement in Spinning Process

As we have seen the effectiveness of the AE system, the next step is to expand the system to our raw material receiving process. By moistening the material at the earliest stage, we believe we can improve productivity throughout our spinning process. We will continue to pursue quality improvement technologies within our state-of-the-art facilities in order to supply the products our customers demand.



### Dry Fog Humidifier AKIMist®“E”

### Efficient type of pneumatic humidifier that produces a non-wetting fog.

AKIMist® “E” (AE) produces ultra-fine “Dry Fog” for humidity control in various industrial applications. Dry Fog is also called “non-wetting fog” as it does not contain large droplets. Therefore, it can achieve humidification in an area without the risk of wetting. The AE can spray the Dry Fog over 4 meters (15'), and can cover a wide area with a single unit.



\*1: Dry Fog is ultra-fine with mean droplet diameter under 10µm and a maximum droplet diameter under 50µm. \*2: Installation cost may vary depending on site scale.

Please feel free to send any inquiry, request for information or quote on this product to the contacts below.

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