

You can keep humidity in a web offset printing factory

In accordance with the printing machines speed increasing, the troubles caused by static charge are increased significantly. AKIMist®"E" can keep sufficient humidity and reduce static charge even if there is a large air exhaust as there is with web offset printing.



KYODO PRINTING, CO., LTD.



AKIMist®"E"

Actual effects in our customers:

- **Higher productivity**

As a result of the reduction of static charge troubles (such as paper clogging in folder, misfolded paper and misbundled paper), roll revolutions could be increased from 720rpm to **1020rpm** and Paper folding speed can be increased from 13,000pcs/hr to **20,000pcs/hr**.

- **Reduce waste paper**

As a result of the reduction of static charge troubles, the frequency of machines being stopped was reduced and led to reduction of paper waste by **1/3**.

- **Higher quality production**

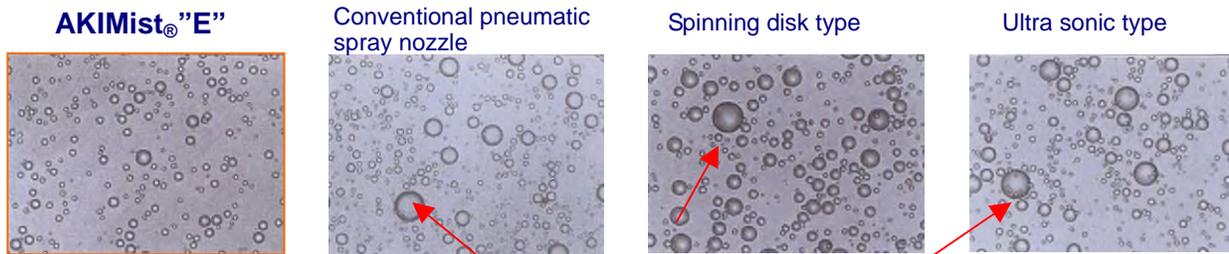
By humidifying the roll stockyard and roll feeding part, it aids in the prevention of misregistration and paper wrinkling. In the case of newspaper printing, it prevents mis-web connection when relaying to a new roll.

How humidifiers are used

As web offset print machines exhaust large amounts of air from the dryer, it is often difficult to keep the proper humidity in a factory because of big energy consumption. However, troubles due to static charge mainly occur at **the folding and stacker / bundler section**, and “spot humidification” aims towards these parts can reduce the static troubles significantly. Thanks to Dry Fog, **AKIMist®"E"** can be installed very close to the object and humidify only the necessary area without wetting.

Dry Fog humidifier AKIMist®"E"

1. What is “Dry Fog”?



Reason for wetting

Normally, if you install humidifiers close to the object, it will get wet- and if you install the humidifier far from the machine, humidity will not reach the desired point. However, AKIMist®"E" sprays **Dry Fog**, which is a very uniformed fine mist (sauter mean droplet diameter 7.5µm), that can be sprayed close to the object and supply **stable humidity where needed without wetting**.

2. Minimize energy consumption

Because you can install AKIMist®"E" right where you need the humidification, the installation cost and energy consumption can be **1/4 ~ 1/8 less than** whole area humidification.

Main area of AKIMist®"E" installation

◆ Folding and Stacker/Bundler



◆ Roll feeding part



◆ Roll stockyard



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