

Testimonials regarding the Benefits in terms of Productivity and Operational improvement rate

PRINTING

- Improvement by 40% of RPM on Rotary Press thanks to a reduction of shutdown caused by ESD
- Product quality improved thanks to a decrease in operational issues caused by ESD (like back printing, whiskers, etc)
- Decrease dust adhesion issues on films and papers (Reduction of streak defect)
- Enabled to operate with thinner materials which are more sensitive for ESD
- Improvement of folding quality with the defect reduced to 1/3
- Stable paper quality and shortened registration time due to less shrunk on materials
- Zero defect of misalignment at stacker band
- Reduced the issues of double feeding and misalignment, Improvement of productivity improved
- Improved printing stability and misalignment reducing reprinting and color shift issues

ELECTRONICS

- Drastically improved ESD related issues and damages due to electrostatic breakdown
- Decrease in defect rate due to Zero circuit damage caused by dust adhesion in the assembling process of PCB
- Reduction by 30% in air conditioning cost in production area thanks to the AKIMist®'s cooling effect
- Ideal environment for products by keeping a stable humidity level at 60% (+/- 3%) RH
- Fully adjustable installation for humidity requirement even when machines and devices are relocated/ renewed

PLASTICS

- Reducing risk of firing in foaming and cutting after injection, and in printing processes
- 10%+ of productivity increased thanks to reduced risk of fire on flammable solvent
- Reduced defect rate due to sticking after molding, Inspection process improved by 10%
- Time spend on packing task in shipping process reduced by 10% thanks to less ESD on products
- More stable quality of products with less time of inspection thanks to less defects regarding foreign particles stuck in production
- Defect ratio improved by 5%+ thanks to no dust adhesion during the film manufacturing process

PAINTING

- Drastically improved the risk of firing in ink stores, mixing rooms, and filling processes
- Safety improved and risk of ignition drastically reduced around the reaction kettle and mixer
- Productivity increased by 10%+ in painting area thanks to a reduction in dust adhesion issues
- Paint quality improved thanks to a reduction by 20%+ of dust related defects
- Cissing related defects and repelling occurrence in the painting process down to Zero
- Significant decrease of absenteeism rate in winter with less employees catch colds
- Maintenance cost saving of ca. 15,000 EUR on an annual base, by replacing the boiler steam humidification system to the AKIMist® humidifier

Should you have any questions or requests, feel free to contact us.

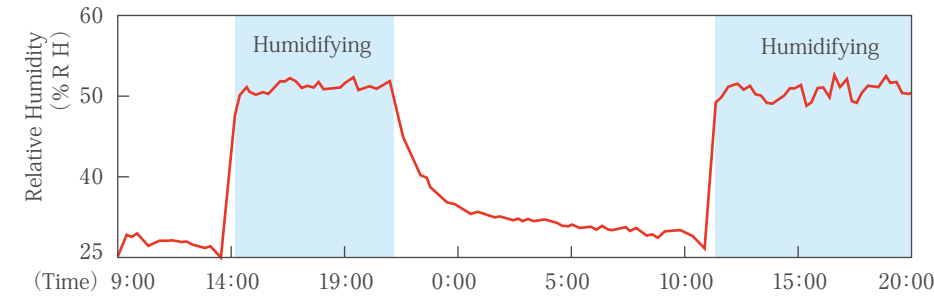
CASE STUDIES of Dry Fog Humidification, AKIMist®



Functions

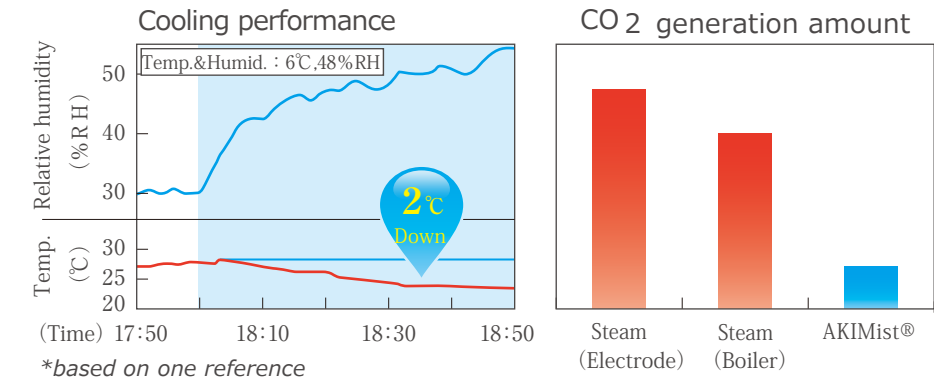
Accurate humidity control of large areas

Enable the most suitable and optimal humidification solution without wetting thanks to the skill-rich engineering design and the Dry Fog which is the tiniest and the most stable droplets.



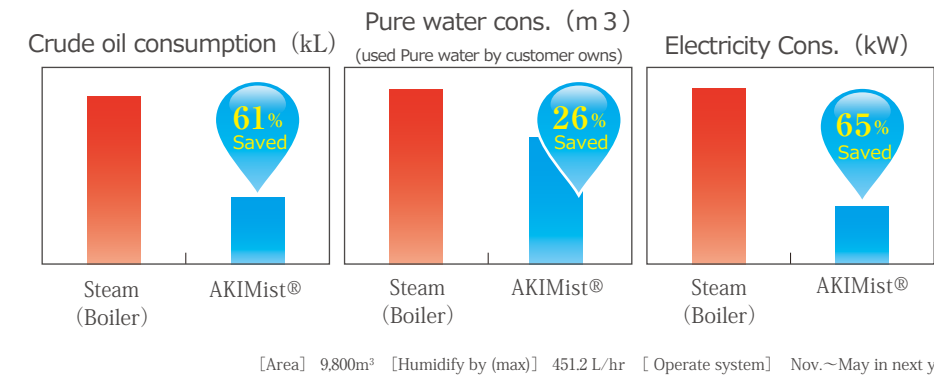
Reduced CO₂ consumption

Thanks to the cooling effect, the cooling load is reduced by 2°C, which represents **580** tons of CO₂ saved from air conditioning unit*.



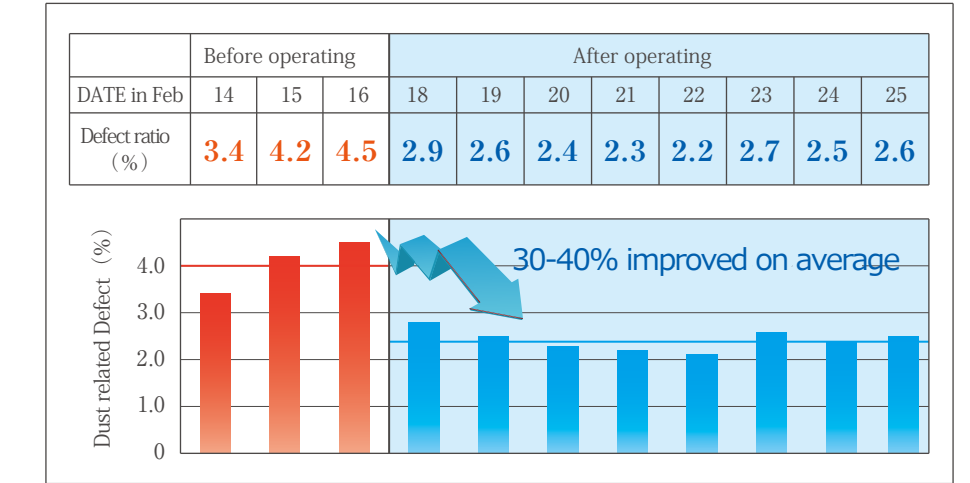
Reduced air conditioning cost significantly

60.000EUR of running cost saved in a year by replacing the steam type of system to the Dry Fog AKIMist® system.



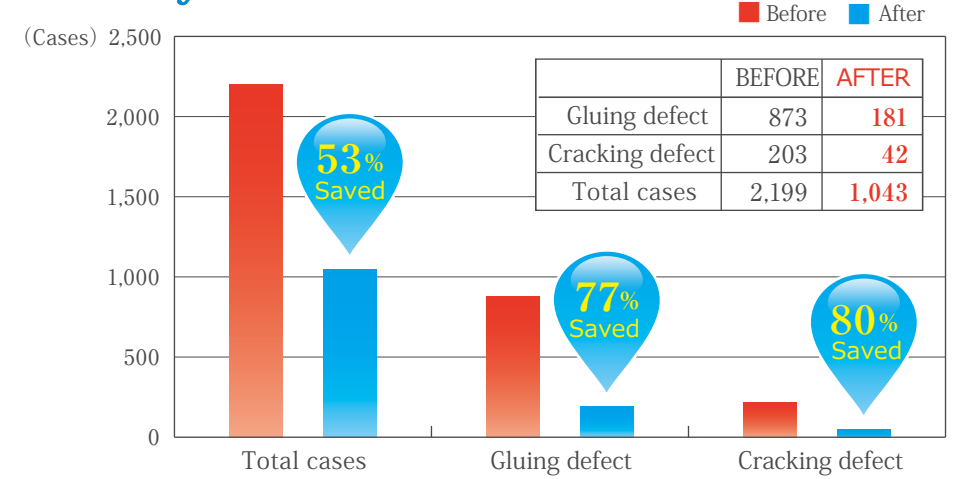
PRINTING

Dust related defect improved by 30-40% on average and waste due to defects reduced by 1.5%



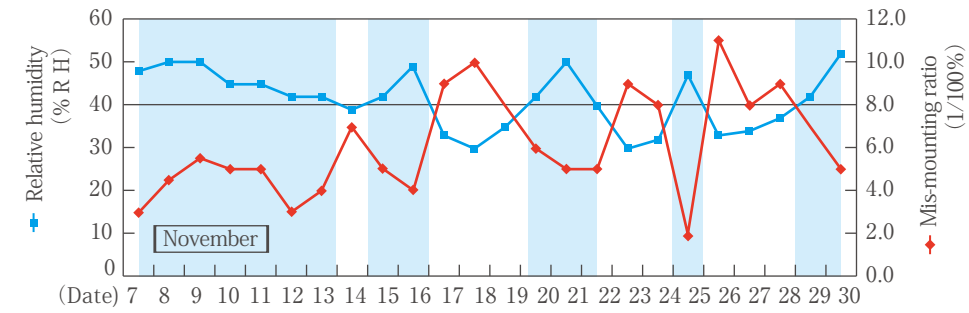
PACKAGING, CARDBOARD

Preventing defects such as cracking, poor gluing, and others related to insufficient humidity



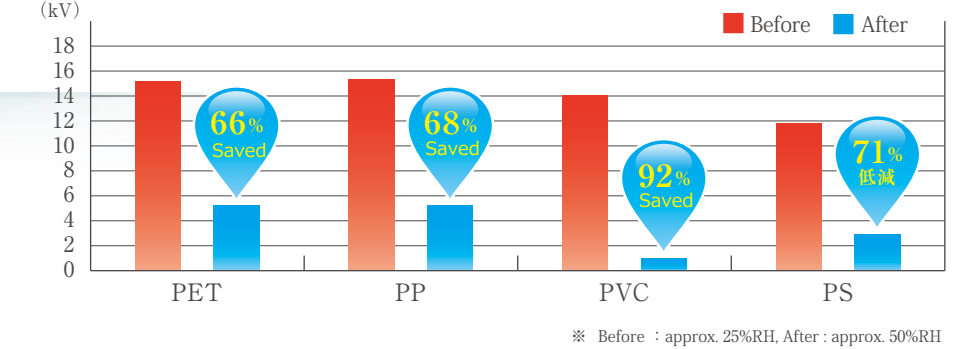
ELECTRONICS

Improved Mis-mounting defect



PLASTICS

Less electrostatic charges, Better productivity



PAINTING

Dust related defect reduced drastically

