



ML
SERIES

CASE IN POINT

When a Chicago printing company needed a reliable and economical humidification solution, they turned to Nortec.



Consistent and accurate humidification is critical to printing

Saving time and money are challenges that all industries face, including the printing industry. Humidity control and consistency are two factors that are critical to printing by ensuring dimensional stability of print stock, reducing static electricity, reducing equipment jams and suppressing dust.

When a large printing facility in Illinois found their existing steam humidifiers were operating at 100% of the rated capacity and were not reaching the desired 40% RH, they knew they had to look for a new solution. Not only did they want a system that could provide the correct capacity and save money, but also be more environmentally effective.

“The electrical savings alone justify the new ML-Series high pressure humidification system.”

Nortec offers energy efficient alternative

After some research, the printer made contact with ComEd, their local utility provider and determined that they were eligible for an incentive program if they upgraded to a more energy efficient humidification system. This was a major factor in the decision to proceed with Nortec.

Nortec's ML-Series high pressure humidification system was installed in the office, prepress, plate room, pressroom and bindery of the printing facility. Nortec completed the full system design, layout, installation, startup and training. The system monitors and maintains relative humidity in a 13-zone configuration throughout the facility and includes:

- 25 ML Solo humidification modules
- 60 ML Princess 2 humidification modules
- 40 ML Princess 3 humidification modules
- 3 MLP 2 x 1000 pumpstations
- 3 ML RO Reverse Osmosis water treatment units

By increasing the humidification capacity from 4,829 lbs/hr to 9,853 lbs/hr, the printer can now achieve 40% RH consistently, all year round. Nortec also added a Preventive Maintenance Agreement (PMA) for worry-free operation.

ROI of less than one year with Nortec

- Energy incentive from ComEd – \$271,000 (over 50% of the cost of the system)
- Energy savings – \$350,000 per year (over 1-million kilowatts per year)

Why choose Nortec?

- Preventive maintenance agreement
- Worry-free operation
- Minimal downtime
- Low cost, energy-efficient system
- World leader in humidification

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“We’re very pleased with the solution provided by Nortec. The ML-Series humidification system has fulfilled all the criteria we had for the project and then some.”

