

Custom Cabinet Maker in Grabill, IN



These powerful evaporative cooling fans increase the humidity levels inside the facilities to protect valuable materials from splintering. They also create a cooler work environment for the employees.

PROFILE

This Company builds exquisite and durable cabinets using proven techniques to protect and enhance the inherent beauty of wood. Known for creating modern styles with old-world craftsmanship, this company has been deeply committed to quality and timeless design for over 70 years.

PROBLEM

The Company was using ultrasonic humidifiers and additional ceiling-mounted humidifiers to reduce the dry heat in their manufacturing buildings. Ultrasonic units are maintenance heavy and require replacement of five internal discs per month at a cost of \$135 per disc. With each unit priced at \$1,300, the Company needed a more cost-effective solution.

The desired humidity level at the facility is 20% to 40%. Facility personnel was getting readings of only 11%. It became evident that the dry heat inside the plant had a negative effect on the wood, resulting in cracking or splitting, creating scrap as a result. In addition, the humidity was also absorbed by large amounts of sawdust, which required even higher levels of humidity in the facility to keep up with the absorption rate.



SOLUTION

A Maintenance/Quality Control Manager from the Company recently attended a trade show where he was introduced to the innovative [Power Breezer](#) cooling fan. He expressed interest in trying the Power Breezer cooling fan to remedy the problem.

When setting up the Power Breezer cooling fan for a demonstration in the maintenance shop, the Breezer Mobile Cooling Business Development Manager turned the internal pump to “maximum”, set the misting level to “high” and the fan speed to “low”. Personnel at the Company measured the moisture level at approximately 12 feet away during the demonstration with a humidistat. It measured 31.5% after less than five minutes.

The Maintenance Manager brought in a piece of stained wood to test the effects of the Power Breezer cooling fan’s moisture emission on the wood. He was specifically looking for any runs in the wood. The test did not produce any negative effects on the stained wood sample.

RESULTS

The Maintenance Manager purchased one Power Breezer cooling fan to see how it would work in the plant. The results were so convincing that the Company now has a total of 14 Power Breezer cooling fans in their five manufacturing buildings.

These powerful evaporative cooling fans not only increase the humidity levels inside the facilities to protect valuable materials from splintering during winter. In summer, they also create a [cooler work environment](#) for the production employees.



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