



**APPLICATION GOAL:** To replace fan operated ionizer units, which are prone to nuisance shock hazards and frequent failure in industrial applications.



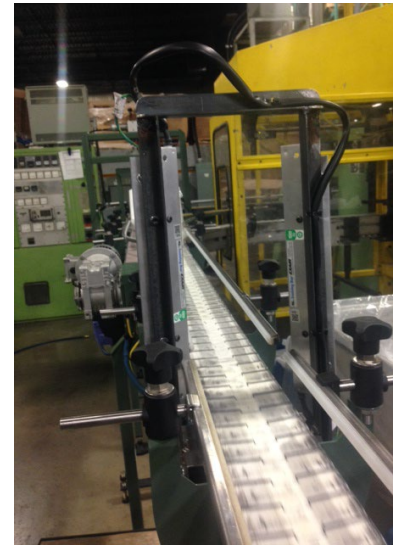
**BEFORE EXAIR:** Commercial grade fan operated ionizers were installed to remove the static from plastic jugs prior to labeling on (4) conveyor lines. The ionizing elements and fan units failed frequently, needing replacement approximately every 12 months.

These units also caused nuisance shocks to operators, which was a hindrance to line operation and maintenance, as was the space that the unwieldy enclosures, cables, controls, and fan units took up on the lines.

**AFTER EXAIR:** The ion air blower unit on one line was replaced with:

(2) [Model 112012 12" \(305mm\) Super Ion Air Knives](#) and (1) [Model 7960 115V-230V, 2-Outlet Power Supply](#).

Once satisfactory results were realized, the other three lines were outfitted with the same systems. Static charge is quickly dissipated as the jugs pass through the ionized airflow of the Super Ion Air Knives (right,) and the compact installation of the Super Ion Air Knives creates a better environment for the operators than the bulky enclosure required by the fan operated system (far right.)



**SUMMARY:** Although they had several different sizes of fan-type ionizers, they were all able to be replaced with 12" Super Ion Air Knives, mounted vertically for compactness and efficiency. The replacement costs associated with these units was about **\$1,300.00\*** per failure (not including labor to remove the failed components and install the new ones).

For comparison's sake, the (2) 12" Super Ion Air Knives and Power Supply cost **\$1,335.00\***... for a complete, new, reliable Static Eliminator system.

If the Ionizing Bars need replacement, they cost only **\$212.00\***. The Air Knife portion, with no moving parts, will operate maintenance free, indefinitely, as long as it receives a supply of clean, dry compressed air.

*\*All prices are from 2014.*