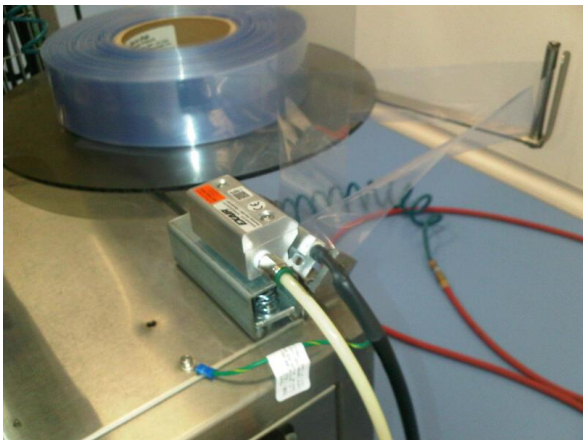
EXAIR® Case Study

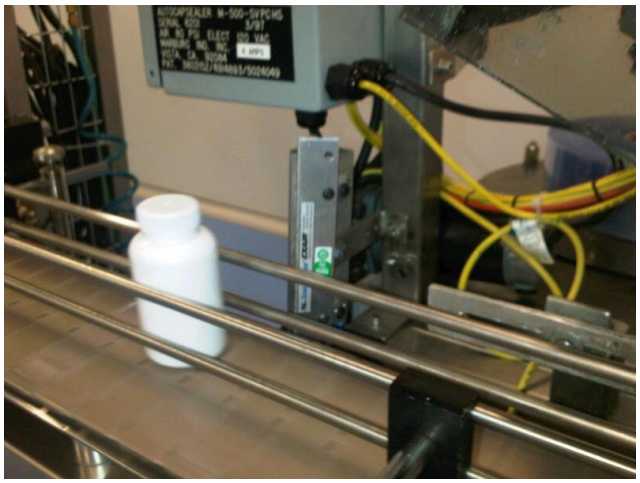
1549

APPLICATION GOAL: Reduce the number of rejected bottles that will need to be repackaged, without requiring additional steps or processes from operators. The reject comes from the heat shrink sleeve not seating properly on the bottle. Also, maintain low noise level and minimal air consumption.



BEFORE EXAIR: This company was experiencing an increase in poor quality product that needed to be repacked. This was due to the static that was present on the surface of the heat shrink, tamper proof sleeve and the static charge on the surface of the bottle that the sleeve was going over. This would cause the sleeve to not position correctly on the bottle and the product would get rejected for repack.

AFTER EXAIR: Immediately upon installation, the EXAIR **Super Ion Air Knives** completely eliminated any repacking caused by static, while not requiring any additional effort or work from the operator. The company was also able to operate the knives at a low pressure of 20 PSIG. At 20 PSIG inlet compressed air pressure, the knives produce a very quiet 57 decibel and an exceptionally low air consumption of 9.9 SCFM to operate the units.



SUMMARY: By installing EXAIR Super Ion Air Knife Kits, the customer was able to increase production time and eliminate any repackaging of the product that was caused by improper application of the tamper proof sleeve. The Super Ion Air Knife Kits were installed to blow off both the bottle and the tamper proof sleeve. With the combination of the two Super Ion Air Knives, the customer has been able to operate for 7 months with no static caused down time.