



APPLICATION GOAL: The goal of this application is to reduce the noise level of the production environment to less than 85 dBA.



BEFORE EXAIR: This customer had used a third party to perform a safety audit in their facility. It was found that the production area sound level was on average over 93 dBA. This was far exceeding the OSHA allowable noise level for no hearing protection. The existing blowoff gun also failed to meet or exceed OSHA's dead end pressure standard CFR 1910.242(b). The noise level in the area needed to be lower than 84 dBA, on average.

AFTER EXAIR: After installing the EXAIR [Model 1210-CS Soft Grip Safety Air Gun with Model 1100 Super Air Nozzle and Chip Shield](#) the noise level in the production area was reduced by 19 dBA averaging 74 dBA. The Soft Grip Safety Air Guns also provided an engineered nozzle which meets or exceeds the OSHA standard CFR 1910.242(b) by providing less than 30 PSI dead end pressure at the nozzle tip. The Chip Shield gives an extra level of protection to the operator from debris that may become airborne.



SUMMARY: This customer was able to avoid a citation from OSHA by implementing an Engineered Solution to their compressed air application. This lowered the sound level in their facility well below the required level of 84 dBA to an average of 74 dBA. The Safety Air Gun with Chip Shield also added the benefit of being 30 PSI dead end pressure safe and gave added protection to the operator with the Chip Shield.