



APPLICATION GOAL: Our customer would like to have a reduced noise level, along with a reduction in compressed air usage on their hand-held blow off guns. There are multiple guns being used throughout the facility.

BEFORE EXAIR: Our customer was using a hand-held blow gun which was consuming 56 SCFM compressed air for the application of blowing chips and debris from their machined part. The chips were aluminum, and were slightly damp from the machine coolant. The current gun would remove the chips but the sound level was considerably higher than the operators would prefer and it used more compressed air than the customer had to allocate for this application.

AFTER EXAIR: With the implementation of our EXAIR **Model 1310 Heavy Duty Safety Air Gun with Model 1100 Super Air Nozzle**, the customer was able to reduce their air consumption from 56 SCFM per blow gun to 14 SCFM per blow gun; along with reducing the noise level of each gun from 108 dBA to 74 dBA from three feet away. The return on investment for the implementation of a single Model 1310 Heavy Duty Safety Air Gun was 29 days from the date of installation. This allowed the customer to easily justify the replacement of all hand-held blow guns that were in the facility that did not have an engineered nozzle.



Air Consumption		Force*		Sound Level
SCFM	SLPM	Ozs	Grams	dBA
14	396	13	368	74

SUMMARY: This customer was using a commercially available gun which was using a considerably larger volume of compressed air. This was far more compressed air than what the application required. With the installation of the Model 1310 Heavy Duty Safety Air Gun w/ Model 1100 Super Air Nozzle, the nozzle is regulating the volume of air used. This means the customer will also not need to purchase additional pressure regulators.