



**APPLICATION GOAL:** To reduce air consumption and excess noise pollution in a large pipe products manufacturing facility.

**BEFORE EXAIR:** This manufacturing facility is a large producer of pipe products, pipe metering products and accessories. Many of the processes in this manufacturing plant use an open pipe blow off to clear pipe cutting and threading operations of chips and coolant. Not only is this blowoff violating OSHA standards, it is one of the largest contributors of air consumption and noise. A blowoff on each of the many drill press stations was the main focus. This blow off cleared chips away from the operation to prevent premature tool wear and poor quality issues.



**AFTER EXAIR:** Preliminary flow tests and costs comparisons done by the manufacturer indicated that after installing two of EXAIR's [Model 1100 1/4 NPT Super Air Nozzles](#) on the drill presses and four [Model 1102 1/8 NPT Mini Super Air Nozzles](#) on more complex machines, the new blowoffs will save:

1. \$72.00 savings per shift per year on 70 drill press stations.  
Yearly savings equals two shifts (\$144.00) multiplied by number of drill press stations (70).  
 $\$144.00 \times 70 = \mathbf{\$10,080.00}$  yearly savings.
2. \$185.00 savings per shift per year on 35 more complex machines.  
Yearly savings equals two shifts (\$370.00) multiplied by number of machines (35).  
 $\$370.00 \times 35 = \mathbf{\$12,950.00}$  yearly savings.

**Customer Feedback:** "We've reduced our compressed air usage and lessened noise levels while yielding moderately better results with the EXAIR air nozzles". Another success story for an EXAIR customer.