



Auto-Cast

Grandville, MI

The Challenge: Auto-Cast, a family-owned company specializing in automotive die casting, is always looking for ways to optimize their operating costs. With nine machine lines running two shifts, five days a week, energy management has often been a key focus area. In 2021 they were ready to do and save even more.

The Solution: A Consumers Energy Trade Ally specializing in compressed air showed Auto-Cast how it could become drastically more efficient and reduce their CFM output by up to 75% with efficient compressed air nozzles – provided free of charge. The solution was so successful on one machine line that all nine machine lines were outfitted with the new nozzles, all courtesy of Consumers Energy.

The Result: By reducing their CFM output, Auto-Cast dramatically lowered their energy usage, reduced maintenance needs on their compressors and lowered dangerous equipment noise levels in work areas.

Compressed Air Project Details

- **Upgrades:**
 - 121 compressed air nozzles
 - Stay set hoses
- **Overall Incentive:** \$104,984
- **Annual Electric Savings:** 1,465,879 kWh
- **Estimated Annual Cost Savings:** \$117,270

John Vanoverloop, Plant Supervisor Auto-Cast

“ Everything worked better and made the team’s jobs easier and the work environment quieter.”

Energy Savings in Action:

Auto-Cast’s change to efficient precision compressed air nozzles drastically reduced the amount of energy their compressors use, reduced downtime for cleaning and maintenance and saves the company an estimated \$117,000 every year.

The Best Part

For Auto-Cast Operations: the entire project was completed free of charge, with minimal downtime that didn’t interfere with production.

For Auto-Cast Employees: a noticeably quieter work environment and cleaner, less polluted air inside the plant.

For the environment: a measured improvement reducing outside air pollution.



We’re here to help

The biggest challenge in reducing energy use in your business is knowing where to start. Consumers Energy is here to help. The Business Energy Efficiency Programs team will guide you every step of the way to provide a simplified, hassle-free process.

Get your free compressed air nozzles and change your business:

Visit [ConsumersEnergy.com/compressaircs](https://www.consumersenergy.com/compressaircs) or call (888) 674-2770 to learn more.