

Air Compressors



Technology in Action

E.L. Stone, Inc. - Barberton, OH

“

We're looking for other ways to use natural gas in our business in the future.

”

George Bethea
Controller

benefits

Benefits Realized

- Energy Savings
- Dependability
- Heat Recovery
- Variable Speed Throttle

what

What was Installed

Manufacturer: Dearing
Type: Ultra Air
Gas Company: Dominion

location

Technology on Location

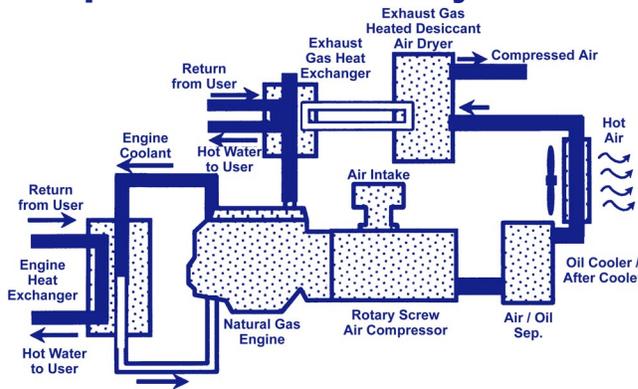
E.L. Stone is an industrial coating applicator located near Akron, Ohio. They are a licensed applicator of Dupont Teflon non-stick finishes and have served mainly the rotational molding, automotive, heavy truck, and construction industries for the past forty years.

E.L. Stone uses compressed air to sandblast the surface of items that they coat and for general coating application. They require large volumes of air to cover their 2200 annual operating hours.

Since installing two Dearing Ultra Air Natural Gas Compressors and the related equipment, the company has been delighted with the results.



Optional Heat Recovery Methods



action Technology in Action

Energy Savings

E.L. Stone switched to natural gas compressors primarily for the dramatic energy savings. With annual savings of approximately \$40,000 per year and a short three year payback, it's not hard to see why the company is "looking for other ways to use natural gas" in their business in the future.

Dependability

In the past, E.L. Stone had experienced frequent brown-outs and power outages with electricity, particularly during the summer months. These problems wreaked havoc on their production as their equipment became powerless and inoperable.

Now that they have switched to natural gas, they have not experienced a single interruption in service. This increased dependability has helped them immeasurably in meeting their aggressive production demands.

Heat Recovery

One key benefit E.L. Stone may now realize with their natural gas air compressor is the ability to recover heat. This heat can be used to warm water or air for numerous uses throughout the plant.

Variable Speed Throttle

Another key feature E.L. Stone can now experience with natural gas compressors is variable speed throttle. Many companies find this feature invaluable because it allows them to adjust the compressors specifically to the demands of each job. Companies can save even more production dollars by setting the speed lower when higher speeds aren't necessary to avoid excessive energy use.

Overall Satisfaction

The success of the gas compressor installation has elated the management of E.L. Stone. They have found the equipment to be every bit as economical and dependable as they had hoped.

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The **Plastics Suite®** is a collection of tools and resources to help increase awareness of natural gas technologies in the plastics industry. Currently plastics processing consumes approximately 280 trillion BTU's of energy throughout North America. Electricity accounts for 95% of this energy consumption. Natural gas is an under-utilized option which can in most instances produce the same product at a reduced cost. The **Plastics Suite®** consists of equipment manufacturer guides and software for calculating equipment feasibility and projecting cost estimates. For more information on the **Plastics Suite®**, visit the web page at www.plasticssuite.com.