



# INSIDE NEWS

Third Quarter 2008 / Volume 12



## President's Message

**W**ith the decision to relocate our business to a much needed larger facility D&R Machine Co. has purchased a new 41,000 sq. ft. facility which is 2 ½ times larger than our current location.

During the past few months this new facility has been undergoing major renovations in preparation for the move – scheduled during the 1st quarter of 2009. Many of the renovations are aimed at transforming it into an environmentally friendly GREEN BUILDING. Some of these are:

**New Roof:** A roof is any building's first line of defense in controlling energy consumption. The new building's existing roof needed replacement and we decided on a highly energy efficient cool roof. Cool roofs have external coatings, usually white, which reflect the sun's rays and reduce the roof's surface temperature. This, in turn, reduces demand for air conditioning, leading to lower utility bills, lower peak electricity demand and electricity production costs, and increased building occupant comfort. We chose a CertainTeed GTA CoolStar coated energy efficient roofing system and are one of the first company's in this area to have a CoolStar roof installed. By comparison, on a 100 degree day this roof will have a 90 degree surface temperature as opposed to 180 degrees for a black roof and 145 degrees for a gravel roof. As a result peak cooling demand can be reduced by 15% and overall energy cost by at least 30%. In addition to these savings the new roof is extremely flexible and durable extending the overall life of the roof. It will withstand the negative effects of expansion and contraction caused by the effects of weathering - heating, cooling, light and moisture. CertainTeed will soon be

featuring D&R Machine Co. as an environmentally friendly company.

**New Lighting:** The existing building was equipped with mercury vapor lights which have a long warm up time and use constant energy. We replaced all the high bay overhead shop and warehouse lights with a Renova EcoLyte Series high performance energy efficient lighting system. This system utilizes "High Intensity Fluorescent" technology to dramatically reduce energy consumption, improve quality of light, provide the closest lighting to natural daylight and provide instant-on operation. Unlike other lighting systems this one generates no ambient heat which minimizes air conditioning loads. Leadership in Energy and Environmental Design (LEED) offers points for environmentally friendly building practices and with the installation of the fluorescent system we will receive points towards tax rebates. The fluorescent lamps have minimal light loss over their average 20,000 hour life which translates into significant reductions in maintenance costs. The efficiencies of this system project to an approximate 3 year return on investment.

**Compressor Air Removal:** A rather easy but effective energy saving initiative relates to the removal of compressor generated hot air. Our type of business requires considerable use of compressed air. We re-engineered the hot air removal process which is another step towards energy conservation. We will be directing hot air from the compressors into the building during cold winter months to aid in heating and in the hot summer months the air will be exhausted outside. With a totally air conditioned facility it is important to maintain ambient internal temperature

to keep our modern, sophisticated, computer controlled equipment functioning properly.

We are proud of our commitment to energy conservation which not only helps us go green but also reduces overhead costs which we can then pass on to our customers in even more competitive pricing.

*Paul Redante*

President

## Another Brown & Sharpe CMM

**A**s our business expands so does our need for additional equipment. When we relocate to the new facility we will be installing a recently purchased Brown & Sharpe "ONE" shop floor CMM Model 7107.

This CMM is larger than our current Brown & Sharpe ONE and is designed specifically to work with a high degree of accuracy in a production environment. It has increased capacity due to an articulating head which allows the probe to obtain measurements at a variety of angles. It also compensates for heat changes by constantly monitoring ambient temperature to provide maximum reliability and accuracy of dimensional measurements. The new CMM will fully support 5 axis machining which is an essential need as we augment our 5 axis CNC equipment.

With the installation of this CMM, our third one, we will be postured to meet demanding quality requirements of our increasing business base in a timely manner.

## Employee Profile



**Kristine Markawicz** has recently joined D&R Machine Co. in our Purchasing Department. She is responsible for all phases of the company's purchasing activities.

Prior to joining D&R Kristine spent 16 years in the purchasing and accounting fields. Prior to that she spent 2 years at Matrix Service Industrial Contractors, Inc. performing

the duties of office manager in the accounting department.

"I firmly believe that efficient work flow is a significant contributing factor to achieving success for a company," says Kristine. In my position I focus on getting material ordered and in house on a timely basis and insuring that our outside processors meet their commitments. These are critical aspects of our overall manufacturing process. If both function properly we will continue to provide our customers with the on time

deliveries they are accustomed to receiving from our company. If I can contribute to continuing this positive performance I feel confident it will lead to future business for us."

Kristine has two daughters, a six year old who just started first grade, and a one year old. She focuses and enjoys spending her free time with both of them but admittedly has very little down time to pursue other activities.

### D&R can serve you in various industries:

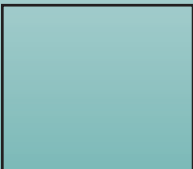
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