



## Outdoor Air Compressor Rooms

### magna powertrain

#### A CASE STUDY



Magna Powertrain, a division of Magna International located in Southern Ontario, is a premier supplier to the automotive industry and has a wide range of capabilities including powertrain design, development, testing, and manufacturing. Their list of clients includes world-renown organizations such as Mazda, BMW, GM, Daimler Chrysler, and many more.

#### CHALLENGE

Prior to contacting AirCell, Magna Powertrain was operating a mixture of both air-cooled and water-cooled compressors, totaling 2,000 cfm. Due to age and plant operating conditions the compressor and dryers were becoming unreliable, and unpredictable breakdowns were not uncommon. During discussions regarding replacement equipment with AirCell, Magna, and Comtract Air Compressors, three challenges arose:

1. There was not enough water-cooling capacity on site to add another water-cooled compressor.
2. Plant processes created unfavorable operating conditions for air-cooled compressors, resulting in clogged coolers and ultimately unpredictable and expensive breakdowns.
3. Limited available floor space.

#### SOLUTION

With the purchase and subsequent outdoor installation of a 150hp air-cooled compressor package into an AirCell Exterior compressor room, Magna Powertrain was able to free up water-cooling capacity for other processes, save valuable plant floor space, and lastly, yet most importantly, they were able to take advantage of the benefits of air-cooling while never having to worry about over heating due to blocked cooling mediums.



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#### Quick Facts

##### Background

- Client was operating both air and water cooled air compressors
- Required new equipment but had limited space and water cooling capacity
- Indoor air cooling not effective

##### Solution

- 150 HP AirCell Compressor Package

##### Benefits

- Saved valuable plant floor space
- Reduced plant noise pollution
- Eliminated main cause of downtime
- Cost effective solution to building an indoor air compressor room



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