



EQ Analysis Study

The Client: GoldenCorr

The Challenge: Low Pressure Alarms and Inefficient After-Coolers

The Solution: EQ Air Rating Study



THE CLIENT

GoldenCorr Sheets is Southern California's premier provider of corrugated sheets to the converting industry. GoldenCorr is in the heart of the Los Angeles County, City of Industry, California, and has been operating for over 20 years. In those 20 years, GoldenCorr has become one of the largest sheet feeder operations in North America.

GoldenCorr had three 200-horsepower(HP) competitor air compressors. Two of the compressors were from 2002, and the other was more recent, from 2019. GoldenCorr had spent lots of money on repairs over the last 20 years and did not want to keep throwing money on repairs on compressors that were on their last leg. It was time to replace two of the compressors and find solutions to some of their inefficiencies.

THE CHALLENGE

Prior to the Quincy EQ air rating study, GoldenCorr had several pain points with their air compressors. These challenges included:

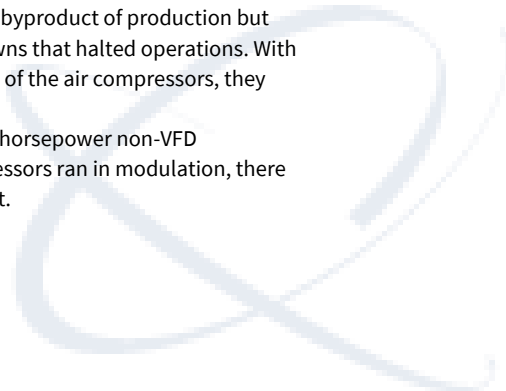
- Low pressure alarms: GoldenCorr had air pressure drop issues at the end of their air lines. The machine at the end of this line would alarm if the pressure fell below 98 PSIG.
- Inefficient after-coolers: Because they are a paper plant, GoldenCorr had issues with tiny paper fibers clogging up the after-coolers. These fibers are a natural byproduct of production but caused high-temperature shutdowns that halted operations. With paper fibers going into the air-end of the air compressors, they were causing damage.

GoldenCorr was also running two 200-horsepower non-VFD compressors. Even though the compressors ran in modulation, there was still a lot of room for improvement.



I tailored the solution to the customer's needs by asking questions about the customer's future needs and finding out that the customer would be lowering his air demand. I spoke to the customer about air usage; the more air demand he is taking offline, the smaller the horsepower of the compressors needed to run his facility. By doing this, I became the trusted consultant.

Francisco Casique, Quincy Sales Engineer



THE SOLUTION

To address all of GoldenCorr's pain points, the Quincy Compressor distributor had to engineer a unique system. This air compressor system needed to resolve the clogged after-cooler issue and eliminate high-temperature system shutdowns. A solution to these issues demanded a whole-system approach. The distributor's solution included two primary stages:

- **Eliminating the paper fiber clogging issues:** to remove the issue of paper fibers clogging the after-coolers and going into the air-end, the distributor had a contractor install air vents to feed the outside air to the air compressor's inlet. These air vents work by keeping the after-cooler free of paper fibers, dust and other debris to keep temperatures at the proper level efficiently. The contractor also installed package pre-filters on each air compressor for additional efficacy at filtering obstructions.



- **Lowering the room's temperature:** Also, to remove the excess heat in the room, the contractor installed a duct that exhausts through the roof. This exhaust, along with the air vents, removes the possibility of hot air being recycled. Lowering the temperature within the compressor room reduced the chances of the compressor going down due to overheating.

Together, these solutions prevent slow-downs and inefficiencies in the after-coolers and air compressors.

The distributor also recommended that GoldenCorr order replacement equipment, like new air compressors. Due to the lower air demand from removing the pumps from the system processes, using more efficient equipment will further help GoldenCorr reduce operating costs.

UNDENIABLY THE WORLD'S FINEST

Quincy Compressor specializes in compressed air technology, offering top-notch products and services since 1920. Serving the industry for nearly 100 years, Quincy is on the cutting edge, engineering quality and reliability into every offering. Award-winning accomplishments have allowed Quincy to build solid relationships with its customers and achieve compressed air systems best practices. Quincy's flagship products include the QSI and QGV rotary screw compressors, the reciprocating QR-25, QT and Climate Control packages along with its innovative Royal Blue Warranty, widely recognized as among the industry's strongest warranty program.



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