



## Tough, Durable Performance

**The Client:** Scientific Design

**The Challenge:** Debris Buildup

**The Solution:** Quincy QSI-75



### THE CLIENT

Scientific Design is a production facility in Little Ferry, New Jersey that manufactures catalytic materials for the chemical industry. They have been at the forefront of petrochemical technology for more than 75 years. They produce competitive quality catalysts and develop license proprietary processes for the production of EO, EG, EO derivatives, polyols, and maleic anhydride.

These chemicals impact our lives as essential components in plastic bottles, polyester garments, carpeting, upholstery, cleaning products, antifreeze, and sterilization process of surgical instruments.

With a focus on safety, innovation, and a customer-focused culture, the Scientific Design team delivers safe, reliable, and sustainable EO-based technologies for a better world.

### THE CHALLENGE

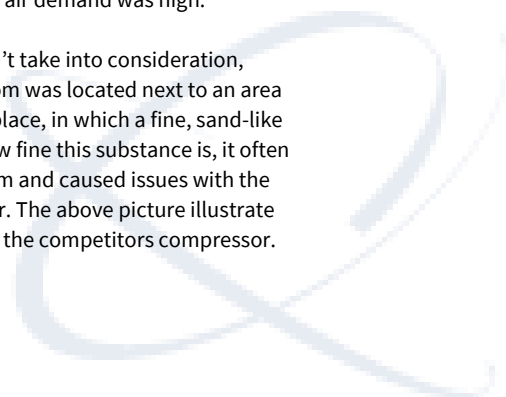
Scientific Design's existing compressor room held a Quincy QGD-60 and a competitor's VS-40. The machines switched back and forth between primary and backup, with the variable speed competitor sometimes trimming the Quincy when air demand was high.

What the previous Sales Engineer didn't take into consideration, however, was that the compressor room was located next to an area where a manufacturing process took place, in which a fine, sand-like substance was bagged. Because of how fine this substance is, it often blew straight into the compressor room and caused issues with the drive of the variable speed compressor. The above picture illustrate the filth that built up on the outside of the competitors compressor.



**To prevent future buildup, they returning to a fixed-speed machine and exchanging potential energy savings for the reliability of a tougher, more durable machine**

**Scientific Design**



## WORLD'S BEST WARRANTY OFFERING 10-YEAR AIREND

When it comes to reliability, everyone is making the same promise. But when it comes to keeping the promise, Quincy Compressor stands alone. This is why Quincy Compressor offers its exclusive ten-year airend extended warranty that covers both parts and labor on select models. Reliability is about confidence, performance, and trust - every day. Quincy Compressor's Royal Blue Warranty is proving reliability one decade at a time.



### THE SOLUTION

To prevent buildup in the future, Quincy recommended returning to a fixed-speed machine in this area, exchanging potential energy savings for the reliability of a tougher, more durable machine.

Since the competitor machine was occasionally trimming the QGD-60 when production was high, Quincy suggested purchasing a 75 HP compressor to run on high-production days and keeping the 60 HP as a backup.

A QSI-75 was selected to account for the hot and dirty environment. Quincy also suggested cleaning the existing dirt out of the room and bungee cording HVAC filters to the compressors to keep dirt out of the compressors. The picture to the left illustrates the improved cleanliness of the room and the filters put in place.



### 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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