

# IRON FOUNDRY TRADES IN THREE COMPRESSORS AND SAVES \$23,000 PER YEAR

## CLIENT

Progressive Foundry

## LOCATION

Perry, IA



## THE SITUATION

Progressive Foundry is a jobbing foundry, one of the nation's top gray and ductile iron manufacturers, making castings for municipalities, construction, agriculture and industry. The company expanded into a new facility and decided to replace three aging compressors.

One of their compressors had failed, and they didn't want to invest more, so they junked it. They were also having issues with coolers and dryers.

## THE CHALLENGE


Progressive Foundry presented a challenge for compressed air systems. "It's a terribly dirty environment," plant manager Josh Magill said. "I can't imagine a worse environment to put a piece of equipment."

"We never have any luck keeping them running," Josh said. At times, they even had a diesel parked out in the street, plumbed into their system to keep their operation going. The company worked with Iowa Pump and Compressor, a Waterloo, IA independent compressed air consultant. The company conducted a compressed air audit, collecting load and pressure data for more than a week.

## THE SOLUTION

The company sought bids from several manufacturers but found the best value from Kaishan USA. Progressive Foundry purchased two of Kaishan's KRSP2 premium rotary screw air compressors, a 250-HP and a 350-HP, the latter equipped with a variable-speed drive. The lifetime airend warranty was one of the most attractive parts of the package. And the compressors have oversized coolers.

"Those fans barely run at all to keep the machine cool," Josh said. Not surprising for his industry, Josh was impressed by Kaishan's "heavy metal." The KRSP2's weight was significantly more than competitors' offerings, contributing to the impression of quality. "It's just kind of a gut feel thing, really," he said.



TWO-STAGE, KAISHAN KRSP2 COMPRESSORS  
ENSURE THIS FOUNDRY RUNS SMOOTHLY, 24/7.

## THE RESULTS

### 1 SAVES \$23,000 PER YEAR

The new equipment “runs all day and all night,” Josh said, saving the company \$23,000 a year in electricity costs alone.

### 2 TROUBLES ARE OVER

“We’ve been very happy with it. We don’t have any compressor trouble,” he said. “They run in the background. It’s something we just don’t talk about anymore.”

### 3 A LONG-TERM STRATEGY

In addition, Iowa Pump and Compressor has helped the company develop a long-term strategy for its compressed air system.

**“WE’RE A FOUNDRY,” JOSH SAID. “WE USE COMPRESSED AIR, BUT WE’RE NOT EXPERTS,” HE SAID. JOSH MAY NOT BE AN EXPERT IN AIR COMPRESSORS.**

**BUT WITH \$23,000 IN ANNUAL ENERGY SAVINGS, A TROUBLE-FREE OPERATION AND COMPRESSORS THAT WEATHER A DEMANDING APPLICATION, HE’S PROVEN HIMSELF TO BE AN EXPERT IN MANY OF THE RIGHT THINGS.**

