



Specialty Coffee Industry

RMS Industries and
Horner's X10-A



Dual VFD Project - Coffee Roasting Exhaust Jennison, Michigan



Coffee Roasting System



Horner X10-A in system panel

CHALLENGE / OPPORTUNITY

A global, environmentally conscious company in the specialty coffee industry was looking for someone to create a custom controls system that would be able to run VFDs, RTDs and Electric Static Precipitators. Previously, they hired an engineer to do all the venting and duct work design for a system that would run efficiently enough for a VFD running full speed, to clear coffee roasting exhaust, while reducing the smoke, odor and CO2 being put into the air. They then needed a system that would be able to auto correct itself if it was running too hot or if the air flow could not keep up.

SOLUTION

RMS Industries partnered with the lead engineer of this project and they were able to create a smart controls system that allowed a PLC to do the thinking. The PLC optimized the speeds of air flow and water flow for the coffee roaster exhaust cyclone. It also added benefits such as remote data logging and the ability to remotely access the systems to monitor the PLC status and the cyclone system from anywhere.

For this system, RMS Industries utilized a Horner Automation Micro X10-A. RMS was able to run two VFDs, one Pressure Sensor, and three RTD probes, plus do all the data logging for these pieces of equipment. Being able to use the Horner all-in-one system and software that is free and easy to use, was a great solution that was cost effective and robust.

TESTIMONIAL

"I love using any Horner Products. I find other brands that nickel and dime me over every piece of software and hardware. Horner has one of the best tech support departments that I have used in the industry. I love that the software is free and I don't have to pay a yearly fee just to use the hardware I have already purchased."

~ Ryan Schierbeek, RMS Industries, Jennison, Michigan

