Reliance Finishing employed one full time employee (FTE) to aim a compressed air ionizing gun at small parts, ranging from 2 – 5 inches in size, to remove dust, dirt and particulates prior to powder coating. This arrangement was costly in terms of personnel and energy usage. Also, due to incomplete cleaning, numerous parts had to be discarded because of defects in the coating from the dust and dirt.

Replacing compressed air ionizing gun with Paxton’s Ionized Air System

The blower-driven Ionized Air System system mounted at the entrance to the powder coating tunnel eliminated the static and removed the dirt and dust adhering to the parts. The result was clean, dust-free parts with few defects in the coating.

"Piece of cake to install."
"Noise is minimal. The velocity of air is incredible."
"I’m a believer. I didn’t believe it could be done!"
"It does what it is supposed to do. It is nice when a product does what they told you it would."

- Eliminated the need for one FTE using compressed air gun on small parts
- 1.5% reduction in coating defects on parts resulted in 75,000-100,000 parts saved per year
- Due to the Paxton Ionized Air System’s air velocity and ionizing strength, blower strength was throttled back using a variable frequency drive, resulting in a 30-40% energy reduction in comparison with the compressed air guns previously used