

SolvAir

SolvAir revolutionises wire cleaning process for CWI, boosting efficiency and quality.



Acid Dilution
Issues Resolved



Drying
Efficiency
Increased

SolvAir's precision-engineered Air Solutions transform industrial cleaning, offering energy savings and improved product quality.

Problem

CWI's wire cleaning process faced multiple issues. Rinse water diluted acid baths, while ineffective air systems failed to dry products. An additional heated stage was introduced, but water dripping onto heating elements caused malfunctions, further compromising quality and increasing costs.

Implication

These issues led to inconsistent product quality, with residual water causing corrosion and interfering with subsequent processes. The inefficient air systems and additional heated stage significantly increased energy and maintenance costs. Heater failures due to water damage led to production bottlenecks and safety concerns.

Solution

SolvAir engineered a custom Air Knife System with PX1500-11kW blowers and strategically placed Air Knives. This system effectively removed liquids, prevented all cross-contamination, and eliminated the unreliable heated stage. Noise-reducing enclosures were also added to meet health and safety standards.

Steve Hand

Sales Engineer
SolvAir UK

“The success of our Air Knife installation at CWI underscores the versatility of SolvAir's engineered solutions. By eliminating cross-contamination and improving drying efficiency, we've helped CWI achieve consistent quality across their wire treatment process and reduced operational costs.”

Final Installation

