

Wire manufacturer eliminates costly solution waste through Paxton's Air Knife technology.



Product Quality
Significantly
Improved



80% Energy
Cost Reduction
Achieved

Paxton's engineered air solutions provide cost-effective alternatives to compressed air systems for manufacturers worldwide.

Problem

A leading Indian wire manufacturer struggled with cleaning solution adherence during their extrusion process. Their makeshift system of crimped pipes and compressed air (150 CFM at 60 PSI) was inefficient, wasting expensive cleaning solution and straining plant operations.

Implication

The inefficient system created multiple challenges: high energy consumption, excessive maintenance costs, and significant cleaning solution waste incurring substantial costs of \$200 per litre. These issues impacted both production quality and overall plant efficiency.

Solution

Paxton's engineering team implemented four Stainless Steel Air Knives, positioned above and below the conveyor. The system's uniform coverage eliminated cleaning solution carry over and wastage whilst reducing plant energy consumption by 80% compared to compressed air.

Jamie Garwood

Business Development Manager
SolvAir UK

“ This installation showcases how Paxton's engineering excellence delivers substantial cost savings. Their Air Knife and Blower technology provides superior performance while dramatically reducing energy consumption compared to the equivalent Compressed Air systems. ”

Final Installation

