

SolvAir

SolvAir's bespoke drying solution resolves significant issues for Arconic's aluminium plate production.



Noise Levels
Reduced Below
83dBA



54% Reduction
In Power Usage



SolvAir's custom Air Knife systems revolutionise metal processing, boosting efficiency and safety across manufacturing industries.

Problem

Arconic's Birmingham plant faced significant issues in their quench zone: noise levels exceeding 100 dBA, high power consumption of 130 kW, and substandard drying performance. These problems necessitated manual water removal, compromising efficiency and worker safety.

Implication

The ineffective drying process increased the risk of product corrosion and compromised vacuum lifting operations. High noise levels posed significant health and safety risks, while excessive energy consumption and manual intervention inflated operational costs and reduced efficiency.

Solution

SolvAir installed a drying system incorporating four ATI200 15kW blowers and 3800mm Stainless Steel Air Knives. The solution included height-adjustable top Air Knives, ensuring efficient moisture removal while significantly reducing energy consumption and noise levels.

Steve Hand

Sales Engineer
SolvAir UK

“ The success of our drying system at Arconic's facility underscores SolvAir's approach to industrial challenges. Our solution delivers superior moisture removal while simultaneously reducing energy usage and noise levels, supporting both operational excellence and worker safety. ”

Final Installation

