

SolvAir

SolvAir's ION technology transforms paint quality control in Nissan's production line.



Reduced
Rework Rates



Enhanced Paint
Finish Quality



SolvAir's Ionised Air Solutions guarantee impeccable automotive painting and finishing by removing dust particles with ionised air.

Problem

Nissan faced significant challenges in their paint process due to particulate contamination on vehicle shells entering the paint line. Airborne particles from the assembly area were adhering to the car bodies, leading to imperfections in the final paint finish.

Implication

The underlying dust contamination resulted in visible defects after paint application, necessitating extensive rework. This issue led to increased production costs, reduced efficiency, and the need for additional manual resources and extra time on the production line for reprocessing affected parts.

Solution

SolvAir engineered a custom solution featuring a range of ION air knives. These devices generate an ionised air flow that neutralised static electricity on the surface of the vehicle parts. This process, combined with the powerful airstream from the knives, effectively removes all dust particles prior to painting.

Steve Hand

Sales Engineer
SolvAir UK

“ The success of our ionized air system at Nissan underscores SolvAir's commitment to quality and efficiency in automotive manufacturing by addressing the root cause of paint imperfections - airborne particle contamination. ”

Final Installation

