

SolvAir

SolvAir eliminates oil residue for automotive parts manufacturer Aisin with custom Air Knife System.



Improved
Quality
Control



Zero Manual
Intervention

AISIN

SolvAir's high-performance Air Blowers and custom manifolds deliver clean, oil-free air for precision drying of automotive parts.

Problem

Aisin Europe Manufacturing faced quality control issues with their steel car door profiles due to coolant oil remaining after production. Their existing drying method, using disposable sponges and compressed air through copper tubes, was ineffective in completely removing the oil residue.

Implication

The inadequate drying process resulted in below par product quality, potentially leading to customer dissatisfaction and increased production costs. Manual intervention was being used to address the oil residue issue, impacting overall efficiency and productivity in their automotive parts manufacturing process.

Solution

7.5kW Air Blower, Circular Air Knife, Flare Nozzles on a custom manifold together with an enclosed blower and electrical control panel. This automated solution effectively removed coolant oil from all surfaces eliminating the need for manual cleaning and ensuring consistent quality.

Chris Davies

Managing Director
SolvAir UK

“SolvAir's work with Aisin highlights our ability to improve existing processes. Our advanced air system overcame the limitations of their previous drying method, ensuring perfect results for every steel door profile.”

Final Installation

