

Cleaning Automobile DashBoards

Meech Air-Tec Air Amplifier and a Meech Model 957 Ionised Air Curtain

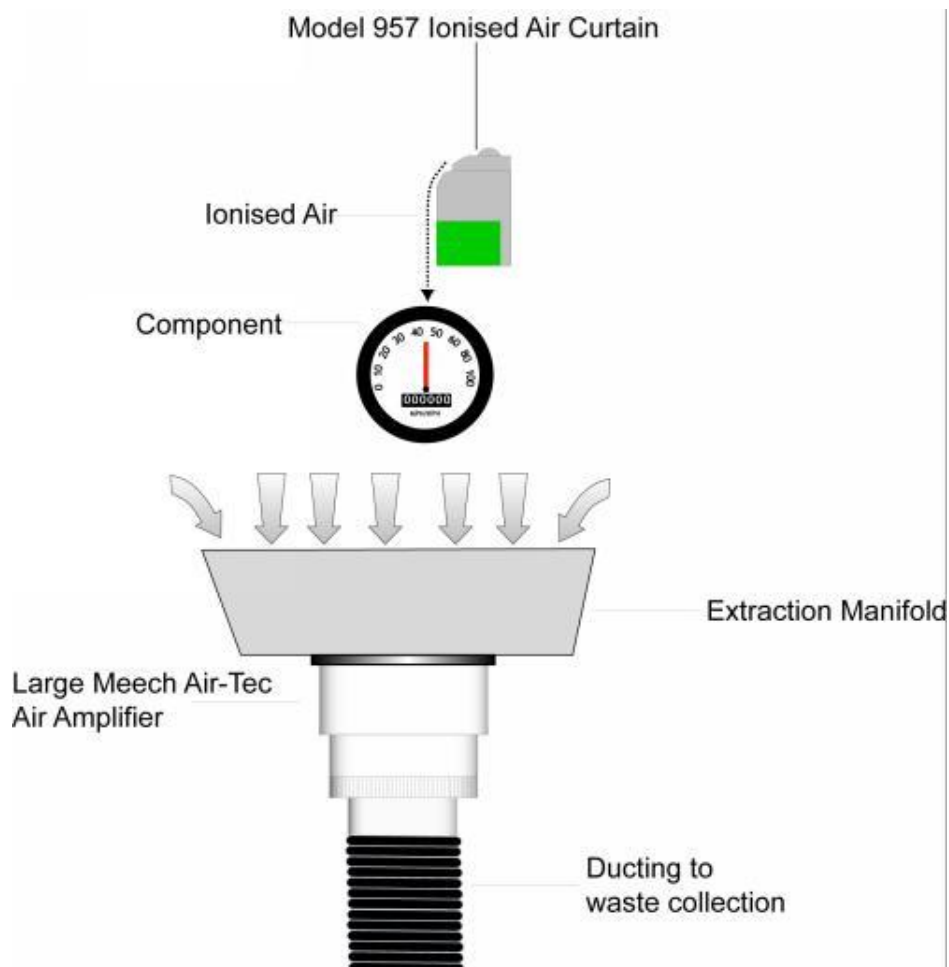
Problem

A company in Birmingham producing car dashboard components (clock faces, driver display panels) was experiencing quality problems caused by swarf, dirt and dust created by a previous stage in the manufacturing process. The display panels were failing to meet the companies strict quality inspection procedures due to the high level of contamination, resulting in unacceptable reject levels.

Solution

Meech Air-Tec provided a high volume blow-off and extraction system. This comprised an air curtain, for blow-off, and an air amplifier for suction of the debris and ambient air surrounding the components. The debris was then sucked through the air amplifier and ducted away to a collection unit. To ensure the complete removal of all the contaminants Meech Air-Tec supplied an ionising air curtain, manufactured by sister company Meech Static Eliminators. This eliminated the previously generated static charge adhering the swarf, dirt and dust to the components, dramatically lowering reject rates. Both the air curtain and amplifier run on compressed air and offer an amplification ratio of 25:1, giving immense power capabilities. As the air curtain is an ionising model it also requires a Meech Static 903 power supply.

Fig.



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