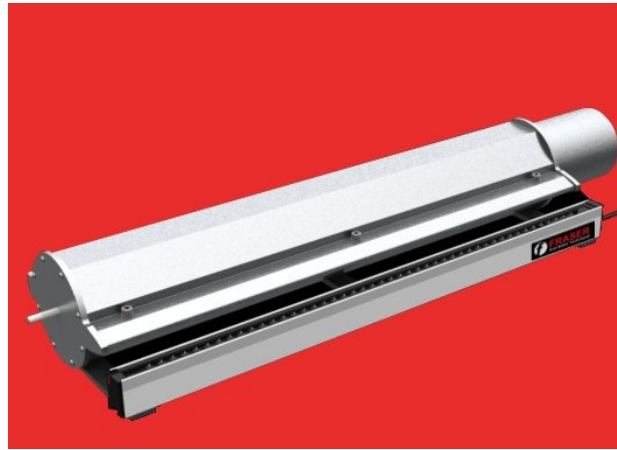


# 5500

## Ionised Airknives

*High performance fan-driven Ionised Airknives for static neutralisation and cleaning of mouldings, glass, automobiles and other large objects.*



### Benefits and Advantages

The system consists of one or more ionised airknives connected to an external blower. The blower produces a high volume of air which exits from the airknife in a fast laminar flow. Fraser design and supply 5500 Ionised Airknife Systems to meet the most demanding applications.

- **Cost saving of up to 70%** compared to other systems.
- Static neutralisation power - up to **50% better** than competitive systems - to break the electrostatic bond between the dust and surface and to prevent re-attraction of dust.
- **Air cleaning speed of 110m/sec** at the slot of the airknife for thorough and powerful cleaning.
- **Longer range** cleaning power than compressed air systems.
- More performance per kilowatt of power. For example, competitors offer 7.5kW motors to match the performance of our 5.5kW motors - saving the customer money every minute of operation.

### Payback in 6 Months

A 5500 System is more expensive than a conventional compressed air alternative, so it is important to know that the extra investment will be worthwhile. The following figures give a typical payback for a system consisting of 2 x 500mm Airknives running continuously.

<b>Purchase Cost</b>	2 x 500mm 5500 Ionised Airknives, a 5.5kW Blower & 5m pipework	<b>€4,500.00</b>
<b>Running Cost</b>	5.5kW at €0.10/kW/hr	<b>€4.40 per 8 hour day</b>
<b>Purchase Cost</b>	A compressed Air knife system consisting of 2 x 500mm Ionised Airknives	<b>€1,450.00</b>
<b>Running Cost</b>	At 7 Bar pressure a typical compressor generates 150 liters per kW and a typical 500mm compressed airknife uses over 2000 lit/min. For 2 x 500mm airknives this is the equivalent of a 26kW compressor running continuously. 26kW @ €0.10/kW/hr	<b>€20.80 per 8 hour day</b>

**On this basis the extra purchase cost of €3050.00 is paid back in 186 Days**

## 5500 Eliminates Dust Contamination

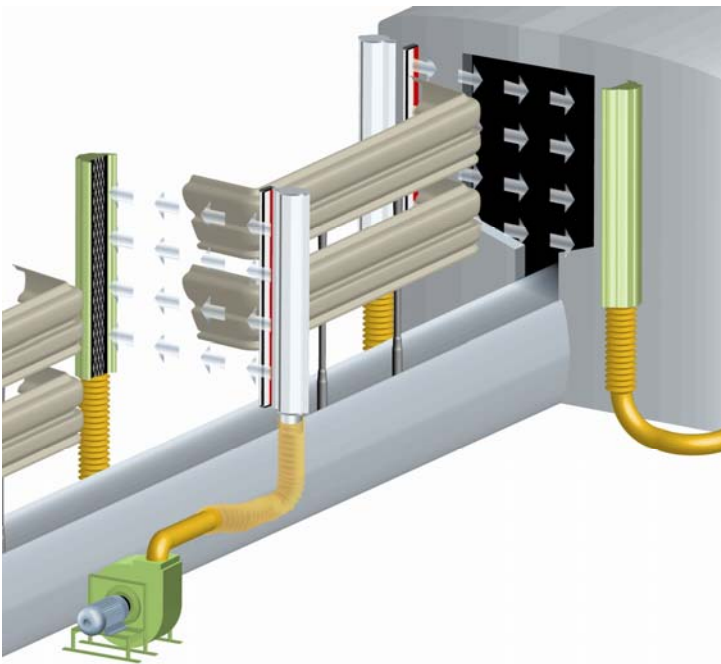
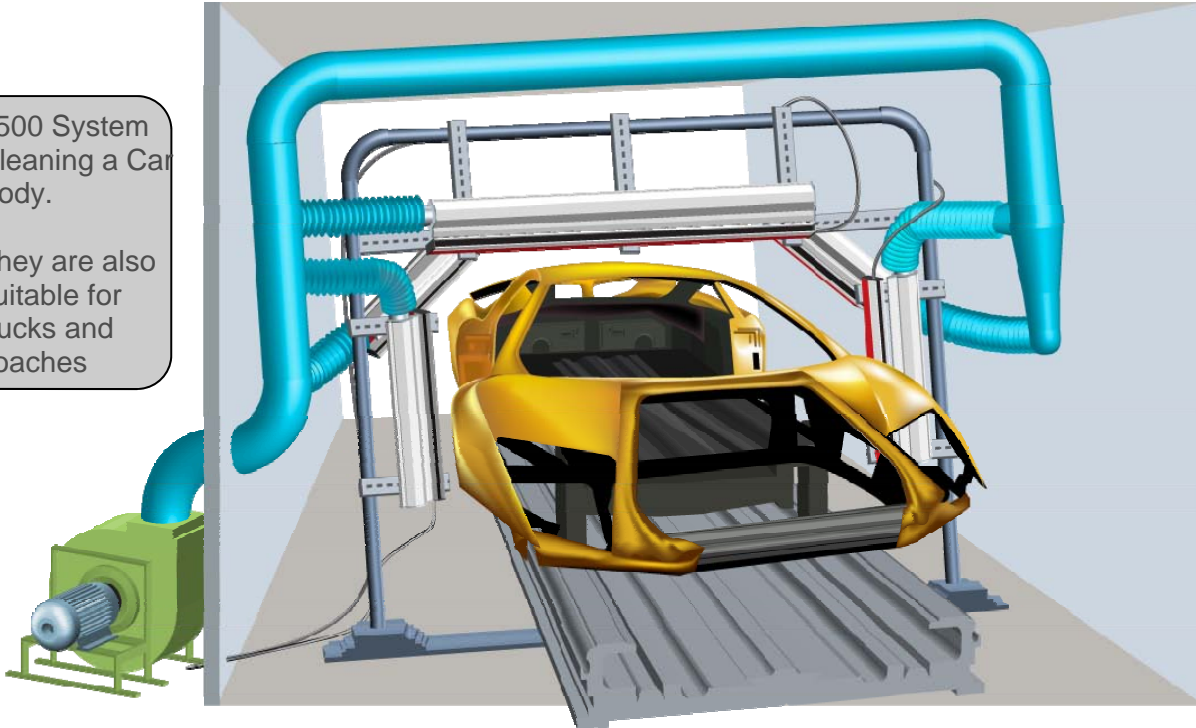
Dust contamination is a huge problem in many areas of industry - especially where the product has to be painted, decorated or laminated. Rectifying dust problems can have a very high cost:

- a large car manufacturer calculated the cost of repainting a car at over **€3000**.
- a dust contaminated bumper cost over **€150** to repaint
- a customer who makes aircraft cockpits reckons the cost of dust included in lamination could be as high as **€50,000**.

### Automotive Industries

5500 System  
Cleaning a Car  
Body.

They are also  
suitable for  
trucks and  
coaches



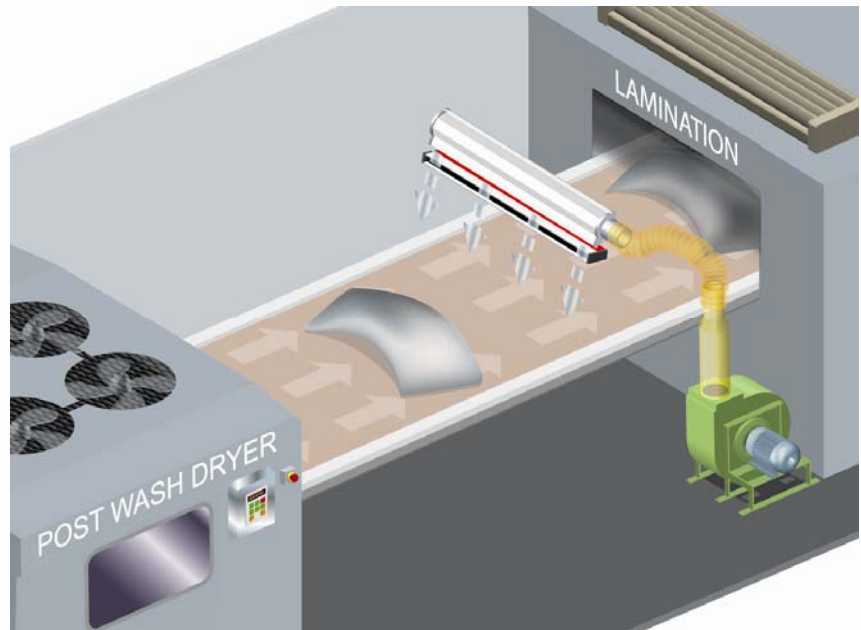
5500 System cleaning car bumpers immediately before they enter the spraybooth.

They can be used with or without dust collection.

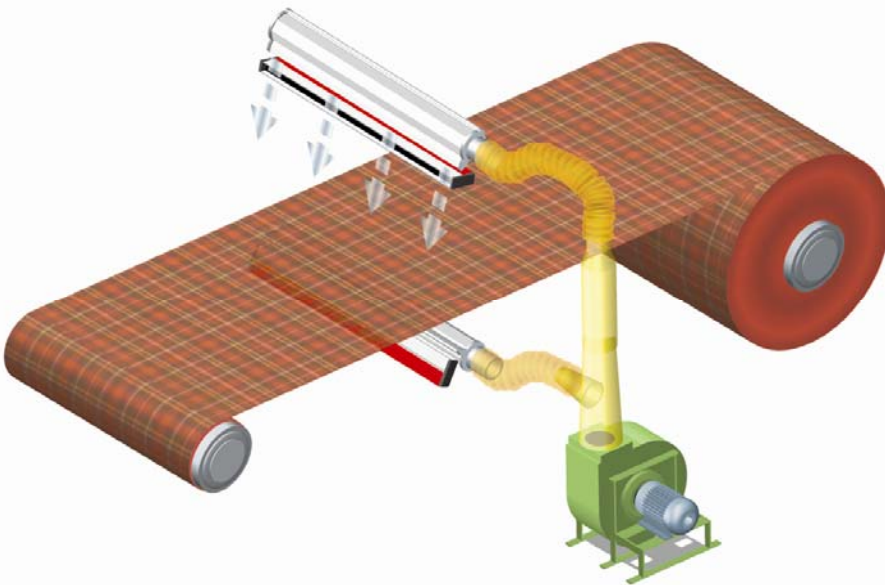
Other automobile parts cleaned by 5500 Systems include fascias, lamp assemblies, body panels, caravan ends, truck cabs and many others.

## Fraser 5500 Ionised Airknives on Glass

From laminated automobile glass to the cockpits of jet aircraft - Fraser 5500 Airknives remove contaminants and prevent the re-attraction of dust.



## Eliminating Dust and Static on Sheets and Webs



5500 Ionised airknives are used for removing dust and static from plastic sheets, textile webs, extrusions, floor coverings, and many other large products.

### The Next Step

- send an outline of your requirement direct to Fraser, or to one of Fraser`s worldwide distributors
- If we require any further information we will contact you before submitting a costed proposal.

## How it Works

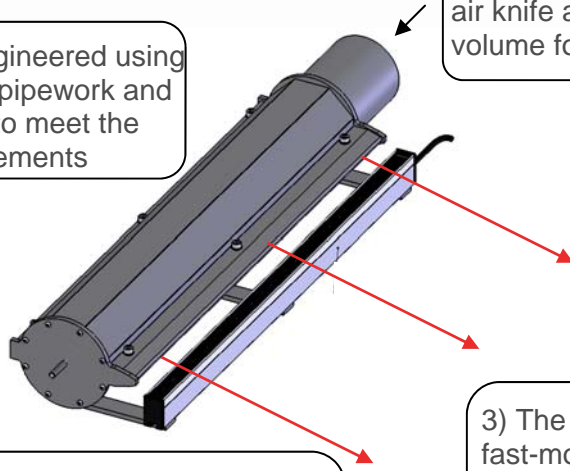
1) A system is engineered using the best blowers, pipework and ionised airknives to meet the customer's requirements

5) There is a wide choice of air entry and mounting possibilities for the best engineered installations

4) The 1250-S Static Eliminator Bar ionises the air as it passes over, giving it the power to neutralise static charge. The 1250-S Bar is the most powerful static eliminator bar fitted to airknives, giving it unequalled performance.

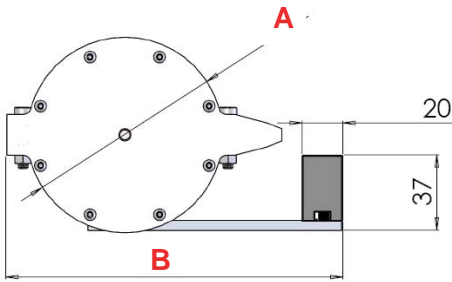
2) Air from the Blower enters the air knife at the correct pressure and volume for maximum performance.

3) The air exits from the 5500 in a fast-moving linear beam. With an airspeed of over 110m/sec it removes the most stubborn statically attracted dust.



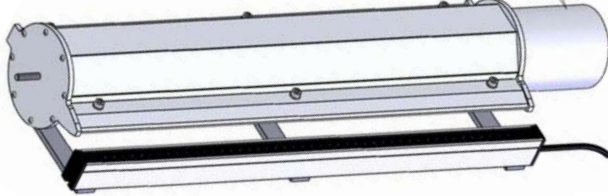
A complete range of accessories is available, including filters, pipework, flow valves, silencers, acoustic enclosures and remote monitoring.

## Dimensions

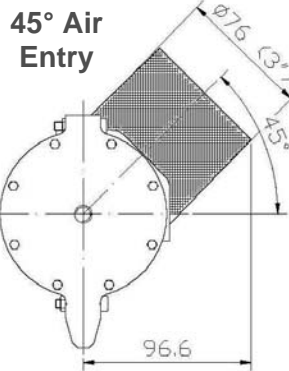


	A	B	C
Standard 5500	96mm $\varnothing$	165mm	76mm
Compact 5500	68mm $\varnothing$	127mm	50mm

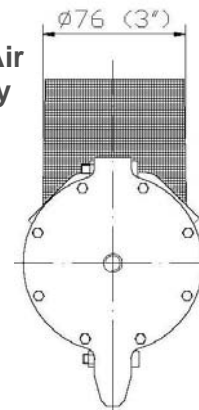
## Air Entry Options



End Air Entry



180° Air Entry



The air entries can be positioned in the body of the Airknife, or at either end.

For 5500 Airknives over 1m in length 2 air entries are required.

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