

# Anti-Static Tinsel and Anti-Static Cord

## Installation and Maintenance Instructions

Anti-Static Tinsel and Cord are one of the most powerful and versatile methods of static control. They are used by leading industrial companies worldwide. However, like all static eliminators good performance depends on correct installation. Please read these notes so that you can obtain the best Performance.

Typical installation sketches are shown overleaf. If you have any questions about installation please do not hesitate to contact us.



### System: How it works

1. When positioned a few millimetres above the material, the tinsel/cord concentrates the electrical field of the static charge until the air ionises. Ionised air is conductive and allows the ion exchange which neutralises the charge.
2. When the tinsel/cord touches the material there is conduction of the charge to earth in addition to the ionisation. This increases the performance and is recommended wherever it is permitted for the Tinsel/Cord to touch the material.
- 3.

***The Tinsel/Cord must be connected to a good electrical earth/ ground.***

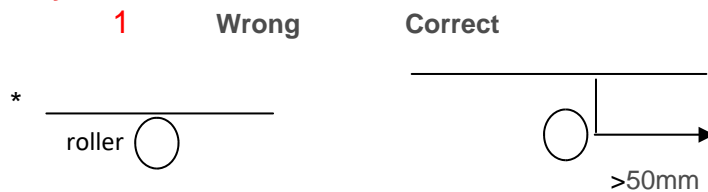
### Positioning the Equipment

Static electricity can be regenerated if the material passes over a roller or through a process. This means that the Tinsel/Cord should be positioned after the point of generation and as close to the problem area as possible. Positioning in two or more places may be necessary.

The material should be in free air and at least 50mm from rollers and other parts of the machine for optimal performance. It is very difficult to neutralise the charge when the material is in contact with a roller or other parts of machinery. When the material touches a roller (or other part) the electric field couples with the roller and is not available for neutralisation; as soon as the material leaves the roller the static field returns and becomes available for neutralisation.

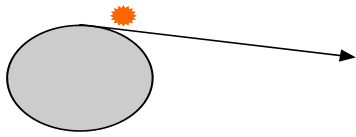
We recommend the use of a Static Meter when installing all types of static control equipment. A good Static Meter allows the customer to analyse the problem and position the static control equipment for maximum effectiveness. The Static Meter is the leading instrument in its class and is designed for factory use.

### Summary

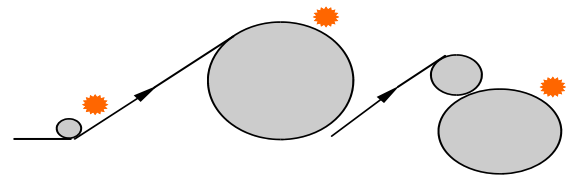


- 2** As close to problem area as possible.
- 3** Must be earthed

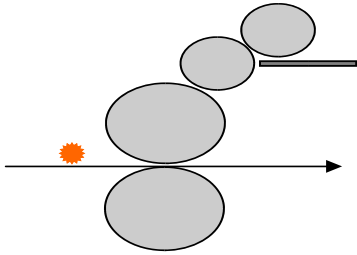
## Typical Applications:



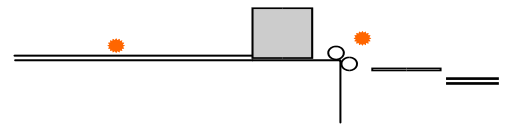
Unwinders



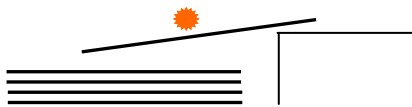
Winders



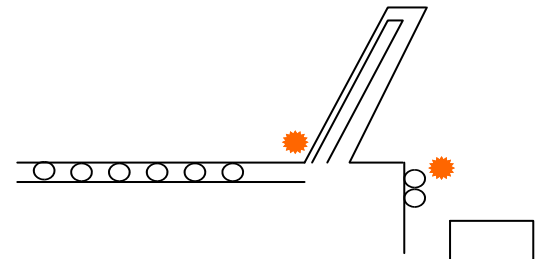
Coaters



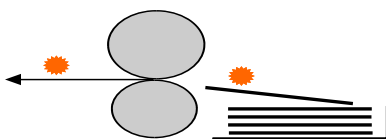
Bagmakers



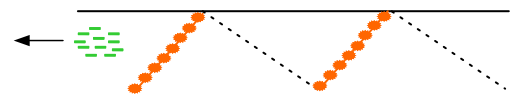
Sheet Feeder



Sheet Folder



Sheet Cutters



Pneumatic Conveyors

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