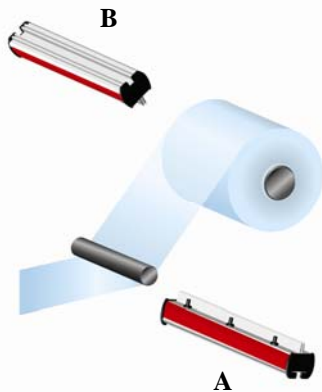


Static electricity causes severe problems throughout winding and unwinding applications, whether using plastic film, paper or textiles. Fraser offers cost-effective solutions to all of these problems. The IONSTORM long range static eliminators, consisting of one or more 3850 Bars and a 3700 Controller were specially designed for winding applications. A few typical applications are shown below.

## Centre Winders

On a centre winder the 3850 Bar may be positioned above or below the reel. It is a good idea for the ionisation to be directed mainly at the reel, but also catching the single sheet, as shown below (A).  
2000 Ionised Air Blowers can also be considered.

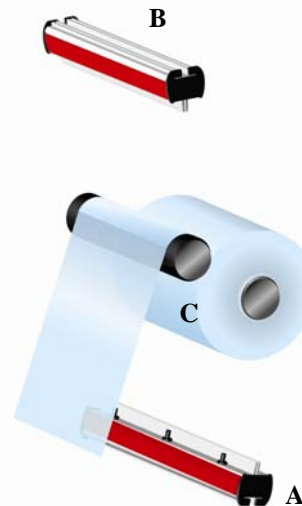


Position A is usually the most effective position - on the centre winder it neutralises both the single sheet and the reel; on the lay-on roller winder it neutralises the charge as it is generated in position C.

If it is not possible to position the Bar beneath the winder in position A, then position B can be used.

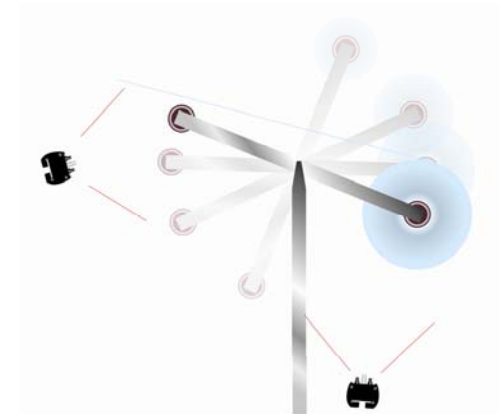
## Lay-on Roller

If there is a lay-on roller, the best position for the 3850 Bar is on the side where the film leaves the lay-on roller - in this case the underside - because it can neutralise the charge as soon as it is created. If this is not practical, then position the Bar on the top side.



## Turret Rewind

On a turret rewind, position the Bar so that its ionisation will be attracted to both rewind positions, if this is not possible two bars may be needed.



Ionstorm  
Long Distance  
Static  
Eliminators

