660 STATIC DISCHARGER

The 660 is a compact static discharger used to neutralise static electricity on countless types of machines including: paper handling, packaging, labelling, coding and printing.

Low cost and versatile, the 660 Static Discharger provides simple and effective static elimination.

PERFORMANCE

- The fine conductive tips of the stainless steel fibre concentrate the electric field to create ionised air which allows the static charge to flow to earth.

ESSENTIAL QUALITIES

- The stainless steel fibre is very soft and will not scratch – it has the softness of sewing cotton.
- The filaments have an EVA size, or coating, which gives them resilience, flexibility and a long life.
- Available in 1000 mm lengths, which can be cut to suit the application.

CONNECTIVITY AND CONTROL

- Static dischargers must be connected to earth.

APPLICATIONS

- A wide variety of web and sheet applications.
- Applications wider than 1000 mm can be covered by joining 660 Static Dischargers together on a metal bracket.
- Multiple short lengths can be joined together to form circles and other shapes.



SPECIFICATION

Construction:	Aluminium body 12 mm x 2.2 mm. Can be cut to required length.
Fibre:	Stainless steel filament with diameter of 12µ in bundles of 250 filaments at 1.5 mm pitch.
Installation:	Fixing holes can be drilled in the aluminium body.

FRASER Anti-Static Techniques

Fraser Anti-Static Techniques Ltd | Scotts Business Park, Bampton, Devon, EX16 9DN, UK
T +44 (0) 1398 331 114 E sales@fraser-antistatic.co.uk W www.fraser-antistatic.com
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HOW THEY WORK

The brushes have a large number of highly conductive fibres. Positioned a few millimetres from the material to be neutralised, the fine tips of the fibre concentrate the electric field of the static charge and ionise the air. Ionised air provides ions of the opposite polarity to neutralise the static charge.

If the fibre tips touch the material the neutralisation may be more powerful if there is some conduction of the charge in addition to ionisation.

