

# IonStorm XR2 Static Elimination System

## APPLICATIONS

- Converting – slitting, sheeting, winding
- Plastics – extruding, forming, molding
- Printing – digital, folding, collating

## Extended range DC system with adjustable voltage, frequency and polarity

*Eliminates static from a distance up to 36"*



*Emits pulsing waves of ions from dedicated negative and positive emitters*

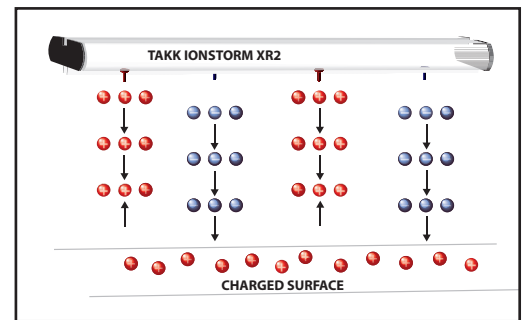
*Adjustable voltage, frequency and polarity to match the exact level of static elimination needed*



## BENEFITS

- Increase production speeds
- Increase profits
- Reduce rejects
- Reduce downtime
- Enhance product quality
- Enhance operator safety

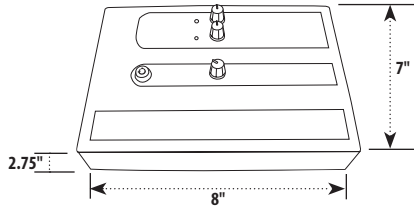
The IonStorm XR2 is a shockless, pulsed, DC system that emits pulsing waves of ions from dedicated negative and positive emitters. The waves of ions propel each other outwards away from the bar towards the static charged surface. The charge on the surface attracts the ions of the opposite polarity, combining and neutralizing the charge on the surface, at the same time repelling unneeded ions of the same polarity (see illustration).



- Powerful field of ionization—with extended range and extra width
- Effectively eliminates static electricity from a distance up to 36"
- Adjust and lock the voltage, frequency and polarity of the ion stream for the exact level of static elimination needed
- Available in 10", 20", 30", 40", 50", 60", 70", 80", 90", and 100" lengths
- Multiple units may be connected and powered by a single standard electrical source
- Simple and flexible installation for a variety of applications
- Eliminates static at the highest machine speeds and under confined conditions
- Easy maintenance, time-proven dependability and long-life
- Combines economy with maximum performance
- Two year limited warranty and expert technical assistance provided



## Specifications



### MODEL 3700SC CONTROLLER

**FREQUENCY:** Use a slow frequency setting for distance ranges of 3 feet (914 mm) or over and faster frequency settings for closer distances, e.g. 1 ft (305 mm). Optimal operating distance ranges from minimum 1 ft (305 mm) up to 3 ft (914 mm).

**POLARITY BALANCE:** If the static charge varies, set a balance output. If static is constant, the balance can be adjusted 80:20 in each polarity for better performance.

**VOLTAGE:** Variable from 0-14 kV output. Set full power for 14 kV except in sensitive electronic applications.

**INPUT VOLTAGE:** Standard 115 V 50/60 Hz or standard 24 V DC; optional 230 V 50/60 Hz

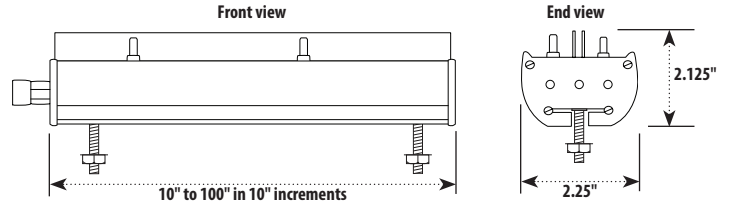
**OUTPUT VOLTAGE:** Variable 0-14 kV DC

**AMPERAGE:** 35-volt amps starting load; 7-volt amps running

**ALARM INDICATOR LIGHT:** Flashes to indicate warning and service needed conditions.

**REMOTE CONTROL:** Remote on/off and alarm signals available through DIN connector.

**SIZE:** 8.75" (222 mm) W x 7" (178 mm) L x 2.75" (70 mm) D.



### IONSTORM XR2 BAR

**CONSTRUCTION:** Rigid polymer body, long lasting and easy to clean.

**SIZE:** 2.125" (54 mm) width x 2.25" (57 mm) depth x the length of the bar. Bars are available in lengths:

10" (254 mm)	50" (1270 mm)	90" (2286 mm)
20" (508 mm)	60" (1524 mm)	100" (2540 mm)
30" (762 mm)	70" (1778 mm)	
40" (1016 mm)	80" (2032 mm)	

Multiple bars may be connected and powered by a single standard electrical source with optional junction box.

**EMITTERS:** Tungsten emitters in polypropylene housing provide dependable, long life service. Pins have dedicated positive and negative ion outputs. Plug-in, shockless emitters are field replaceable by user if lost or damaged.

**CABLE:** In protective nylon conduit; 10 foot (3 m) standard. Up to 30 foot (9 m) may be specified. Plastic cable mount clips are included.

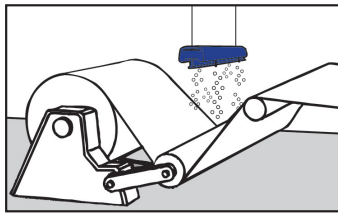
**MOUNTING:** Adjustable studs in T-slot on backside of bar.

**CONNECTIONS:** Multiple bars can be powered by the controller with the use of separate junction boxes.

## Applications

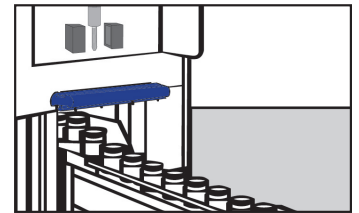
### CONVERTING:

Static is removed from slitting, sheeting, unwinding, rewinding, laminating, coating, paper and film operations. Prevents dust attraction, operator shock and poor wound roll quality.



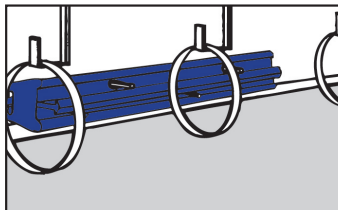
### PLASTICS:

Dirt and dust contamination, as well as flow problems, are eliminated during plastic extruding, forming and molding operations.



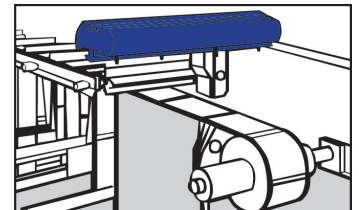
### FINISHING & PAINTING:

Removes static prior to spraying and before and after painting metal and plastic parts. Also during buffing and polishing.



### PRINTING & PACKAGING:

Removes static in feeder and delivery piles and rolls. Quality and production are greatly improved in folding, collating, and printing on all types of presses and other equipment.



EXPERT TECHNICAL ASSISTANCE • 2 YEAR LIMITED WARRANTY

## TAKK INDUSTRIES INCORPORATED

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