



APPLICATIONS

- Plastics
- Packaging
- Printing
- Converting
- Extruding
- Material Handling

Raising the Bar in Static Control— Advancing Intelligence and Performance



BENEFITS

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

- **Dynamic Intelligence:** All X-SERIES products have built-in adaptive intelligence, monitoring the static charge and automatically adjusting the ionization output of the bar as required.
- **Ultra Performance Redefined:** Built around the most advanced technology yet, the X-SERIES surpasses the exceptional performance of the previous NEOS models, eliminating static more effectively than ever.
- **Performance you can rely on:** The X-SERIES models provide the exceptional performance, reliability and smart technology Fraser Anti-Static Techniques is known for.
- **Knowledge is power:** New and improved user interface and visual indication displays the operating mode and level of charge detected in real-time.
- **Compact but mighty:** The X-SERIES has an industry leading, low-profile footprint, delivering powerful static elimination in compact areas.
- **Simple and easy connectivity:** Electrical connections are identical to our existing NEOS installations, minimizing downtime and allowing for quick, no-hassle upgrade to the X-SERIES.
- **Four models:** X-SERIES models cover high-performance, short and long range, and high speed static neutralization.





The X-SERIES Lineup:

X-12F / X-12L

X-12F is a short-range static elimination expert specifically designed for rapid, close range static elimination at the fastest machine speeds. Range 1.5" to 10".

X-12L is a medium range bar ideal for compact spaces with a range of 4" to 24".

X-SERIES Intelligence & LED signalling: The two push-button switches at the cable end of the bar give the operator full control over the X-12 bar. One switch is a distance control with 3 options. The other switch turns the intelligence on and off.

The three bi-color LEDs indicate the bar status, including the operation mode, need for cleaning and the polarity of charge on the target.



X-20

X-20 is a long range static eliminator for distances between 6" to 30". Suitable for a broad range of applications where consistent performance and exceptional reliability are key. Applications include winders, unwinders, webs, conveyors, high profile parts, long range, and wide area applications.

X-SERIES Intelligence & LED signalling: The two push-button switches at the cable end of the bar give the operator full control over the X-20 bar. One switch is a distance control with 3 options. The other switch turns the intelligence on and off.

The three bi-color LEDs indicate the bar status, including the operation mode, need for cleaning and the polarity of charge on the target.



X-33

The X-33 provides industry-leading pulsed-DC technology with built-in field polarity sensing and adaptive ionization.

The most powerful bar in our line up with a built-in 33kV power source. Perfect for extended range (10" to 60+) static control applications where high-power static neutralization is needed. Ideally suited to manufacturers and end users of large winding machinery, such as slitters and rewinders, cast film extruders, blown film extruders, and laminators.

X-33 uses software algorithms to control all of the operating parameters of the bar. Duty cycle, frequency, dead-time, HV level and polarity are all precisely and intelligently controlled. X-SERIES bars monitor the actual polarity and charge level on the product and optimizes output to achieve the fastest neutralization.

X-SERIES Intelligence & LED signalling: The two push-button switches at the cable end of the bar give the operator full control over the X-33 bar. One switch is a distance control with 3 options. The other switch turns the intelligence on and off.

The status of the bar, including the need for cleaning, is indicated by 5 bi-color LEDs on the endcap of the bar.



Specifications

X-12F / X-12L

X-20

X-33

DIMENSIONS:

*For X-SERIES bar lengths exceeding 2850mm, please contact sales.

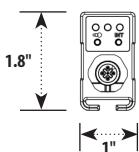
EMITTER VIEW



SIDE VIEW



END CAP VIEW



ELECTRICAL SUPPLY:

24V DC (21-28V)
max current required 1.5A
M12 5-pin connector

24V DC (21-28V)
max current required 2.0A
M12 5-pin connector

24V DC (21-28V)
max current required 2.5A
M12 5-pin connector

OUTPUT VOLTAGE:

±12kV integrated supply

±20kV integrated supply

±33kV integrated supply

CONSTRUCTION:

Shockless, replacable tungsten emitters;
Reinforced FR-ABS industrial grade extrusion and endcap;
Epoxy resin encapsulated

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ENVIRONMENTAL:

0-130°F (0-55°C)
70% RH non-condensing
IP67

0-130°F (0-55°C)
70% RH non-condensing
IP67

0-130°F (0-55°C)
70% RH non-condensing
IP64

REMOTE MONITOR/ STATUS LEDs:

HV OK and Attention signals;
IEC 61131-2 Type 1, 2, & 3 compatible;
Outputs can be used for direct driving of external lamps/relays;
Bi-color LEDs for local status

HV OK and Attention signals;
IEC 61131-2 Type 1, 2, & 3 compatible;
Outputs can be used for direct driving of external lamps/relays;
Bi-color LEDs for local status

OK and Status signals;
Compatible with IEC 61131-2 Type 1, 2, & 3 PLC inputs;
5 bi-color LEDs indicate output frequency, intelligence, cleaning required, standby enabled

STANDARDS:

CE and CB

CE and CBL

CE and CB

MOUNTING:



'T' M6 x 40mm stud and flange nut slides into the slot on the bottom of the bar;
Two T mounts for bars up to 40"(1000mm), plus 1 extra for every additional 20"(500mm)

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CABLES:

Available in 3m, 5m, 7.5m, and 10m lengths with either 90° or 180° connectors

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OPTIONS:

100-250V AC-DC 24V Power Supply

100-250V AC-DC 24V Power Supply

100-250V AC-DC 24V Power Supply

EXPERT TECHNICAL ASSISTANCE • 1 YEAR LIMITED WARRANTY

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