Jupiter Model 3100

Advanced long range static control system

APPLICATIONS

- Winding
- Bag Making
- Injection Molding
- Extrusion

BENEFITS

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

The Jupiter uses advanced pulsed DC technology whereby dedicated positive and negative emitters produce pulses of ions which propel previous ions away from the bar. A microcomputer system controls and regulates two compact internal 30kV high voltage sources.

- Intelligent ionization technology provides unrivalled static neutralization performance at distances up to 60"
- Very fast static decay performance
- All control and high voltage parts are internal and encapsulated for reliability and safety
- Intelligent ionization monitors emitter current and employs a feedback control system to compensate for varying operational conditions to optimize performance
- Supports a remote alarm or indicator light
- Replaceable titanium emitters maintain optimal performance
- Resistively coupled emitters for shockless operation
- Robust, rigid construction
- Available in 24", 30", 40", 50", 60" and 70" lengths. Contact factory for custom longer lengths.
- 24V input power supply provided
- Easy T-slot mounting

2 two year warranty

TAKK INDUSTRIES INCORPORATED
8665 E. Miami River Rd. Cincinnati, OH 45247 USA | www.takk.com | Phone: (800) 792-8255 or (513) 353-4306 | Fax: (513) 353-4315 | service@takk.com

Specifications

CONSTRUCTION/SIZE:
Fire retardant polymer body, reinforced for rigidity;
All high voltage parts encapsulated in epoxy resin;
Titanium emitters.

Available lengths: 24", 30", 40", 50", 60", 70"

SUPPLY VOLTAGE:
24V PSU supplied for use with 115/230V.
For own 24V supply use Powercraft 760S connector.

OUTPUT VOLTAGE:
Typically in excess of 30kV, regulated by microprocessor

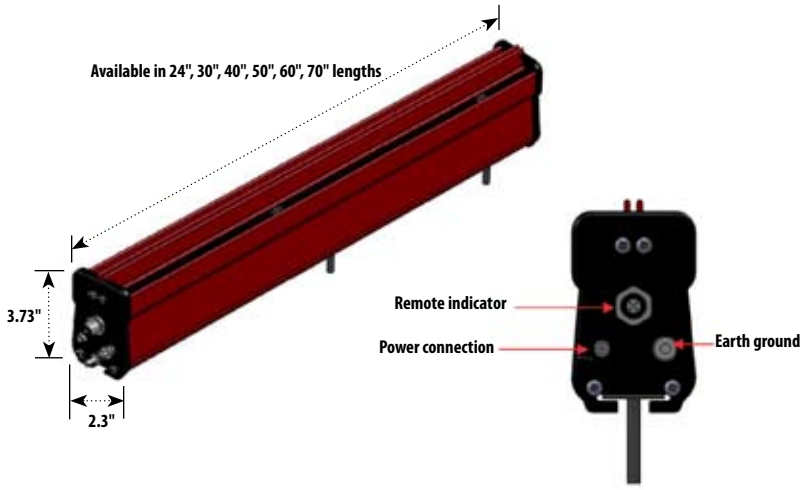
SAFETY:
300MOhm resistance to each emitter; Double grounding of electrical supply; Recommended that Jupiter is interlocked with the running of machine so it turns off when not needed

REMOTE INDICATION:
No voltage signal to show correct operation

MAX TEMPERATURE:
50°C, 70% rH non-condensing

MOUNTING:
Quick mount T-slot mounting

STANDARDS:
EMC and Low Voltage Directives



HOW THE JUPITER WORKS

The Jupiter uses advanced pulsed DC technology whereby dedicated positive and negative emitters produce pulses of ions which propel previous ions away from the bar.

A microcomputer system controls and regulates two compact internal 30kV high voltage sources. This power is delivered to the emitters through an impedance network to assure safe and shockless operation.

A variable frequency drive allows optimization for operation at a range of distances.

The on-board processor constantly monitors the operation of the system. Should the unit be powered down, or fail to operate for any reason, a remote signal is generated in the form of potential free relay contacts that can be used to trigger an alarm or warning light.

EXPERT TECHNICAL ASSISTANCE • 2 YEAR LIMITED WARRANTY

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