

LIROS

NO STATIC

systems



A complete series of antistatic equipment

Advantages with the NO STATIC systems

- Efficient elimination of static charge by an all-covering ion field
- Complete program
- DC-system with pulsating voltage
- Low total costs
- Simple installation
- Checking and controlling functions
- Possibility of custom-made solutions
- All details in the ionizers are replaceable

Fields of application for the NO STATIC systems

- Plastic industry
- Packages and packeting machines
- Graphic industry
- Textile industry
- Food and pharmaceutical industry
- Laminating foil industry

The NO STATIC systems are a series of devices developed after many years' experience to solve problems with static charge in the production in a quick and efficient way. The NO STATIC system consists of a central unit with the efficient DC-system and a standard program of ionizers with an all-covering ion field. In order to meet the most varied needs and desires the standard program of ionizers is dimensionable but can also be entirely custom-made.

Liros manufacture also the DC-generator type SEHS, which generates a charge. Together with a charging electrode this equipment can e.g. be used for charging material surfaces for adhesion, detail positioning or "static" welding of two shrink film surfaces just before the feeding into a heating tunnel.

NO STATIC systems - the solution of problems with static charging

With increased production speeds and more automatized production, the risk of electrostatic charge of material and machine details increases, too. This leads to production interruptions, spark discharges, quality deterioration or accidents in the industry. **The NO STATIC** systems neutralize the static charge and eliminate by that those effects not desired.

With a correctly dimensioned system placed on the right spot in the production line the problems with static charges will be rapidly and efficiently eliminated.

Liros' specialists have for a long time acquired knowledge and experience in the field "static electricity" by solving the most various problems out in the production. If you have problems with static electricity - just contact us at Liros then we have the solution.



NO STATIC 08

The unit that offers many possibilities.

- Automatic short circuit and sparking controlling cuts off the high voltage to the ionizers.
- Remote control of ON/OFF-function
- Possibility to connect all types of ionizers

Outputs: max 4 ionizers (when connecting type SER05 and SER06 tot. max 6m)

Power: adjustable

Polarity: power amplification reversible + or -

Supply voltage: 230VAC, 50-60Hz (standard); 110V, 50-60Hz (after switching), other voltages on request

Dimensions: H=350, W=225, D=165mm

Short circuit and sparking controlling available

Remote control available

Approval: GS No. A-ET 91077



NO STATIC 09

A compact unit dimensioned as to the installation to fit all types of machines, with possibility of remote control. Rugged industrial design of aluminium profile that can be connected to all types of ionizers.

Outputs: max 3 ionizers (when connecting type SER05 and SER06 tot. max 6m)

Power: adjustable

Polarity: power amplification reversible + or -

Supply voltage: 230VAC, 50-60Hz (standard)
110V, 50-60Hz (after switching)

Dimensions: H=240, W=180, D=100mm

Approval: GS No.: A-ET 92083



CHARGING GENERATOR SEHS 03

Charging generator SEHS 03 for a deliberate charging of material surfaces or details in the production. Possibility to connect a standard selection of electrodes and when needed to machine adjust. Automatic short circuit and sparking controlling cutting off the high voltage to the electrodes. Remote control of the ON/OFF-function.

Outputs: max 4 electrodes

Power: adjustable

Supply voltage: 230VAC, 50-60Hz (standard), 110V, 50-60Hz (after switching), other voltages on request

Dimensions: H=250, W=225, D=165mm

Short circuit and sparking controlling available

Remote control: available

Approval: GS No. A-ET 92084

IONIZERS

IONIZING TUBE SER 05

Ionizing tube made by an anodized, to the industry adjusted, aluminium profile with long lifetime. The efficient ion field is regularly spread over the entire length of the tube, which will secure a reliable neutralization of the static charge over the whole material width.

Material: aluminium
Dimension: external diameter 28mm
Max length: 6000mm, other lengths on request
NOTICE! All details in the ionizing tube are replaceable.



IONIZING TUBE SER 06

Made in an enclosed design to be installed in heavy, soiled environments. As to the power built up after the same principle as SER 05 with an all-covering neutralization regularly spread over the whole material width.

Material: bakelite
Dimensions: external diameter 28mm
Max length: 1200mm, other lengths on request
NOTICE! All details in the ionizing tube are replaceable.



IONIZING RING SEC

The ionizing ring neutralizes static charges on the material passing through the ring. The ring is either firm or divisible and can also be delivered with flange connection for installation into a tube system.

Material: Delrin and aluminium
Dimensions: according to customer specification
Max size: inside diameter 500mm
NOTICE! All details in the ionizing ring are replaceable.



ION AIR TUBE JBT

The ion air tube is meant to eliminate static charges on smaller objects at places in the production which are difficult to reach. It is possible to connect air on the quick coupling available. The ion air tube can be installed in various types of containers or tube systems to neutralize the charge in the material.

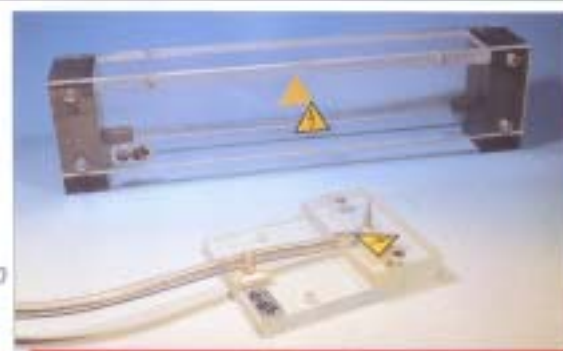
Material: aluminium
Dimensions: 100 or 250mm
NOTICE! All details in the ion air tube are replaceable.



CHARGING ELECTRODES - HSE

Charging electrode HSE 01 for charging, adhesion or fixing of material on a conveyor. Charging electrode HSE 02 for "static" welding of two shrink film surfaces together. Charging electrodes are also manufactured for direct adjustment to a machine.

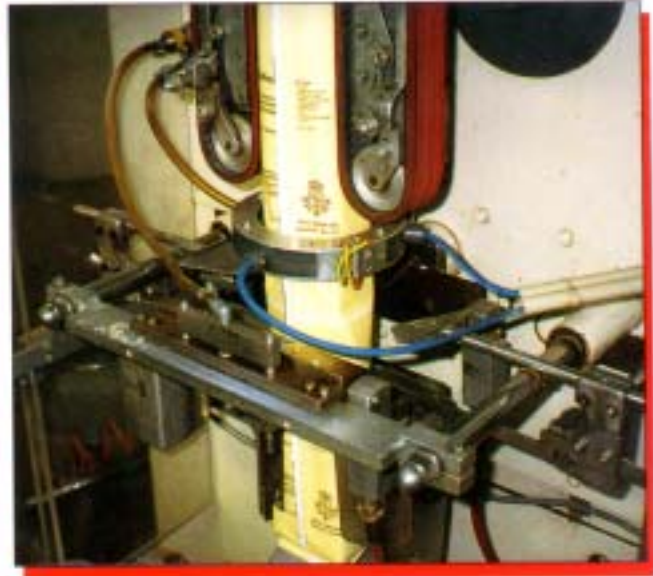
Material: HSE 01 and HSE 02, plexiglass
Dimensions: HSE 01, H=60, W=52, L= ; HSE 02, H=33, W=80, L=100
Charging electrode HSE 01 is made according to customer spec. Special electrodes on request.
NOTICE! All details in the electrode are replaceable.



Know-how is Liros' feature



Elimination of static charge on movable material surfaces (paper, plastic, textiles etc with NO STATIC)



Application with ionizing ring on filling machine



NO STATIC installed on plastic machine with adaptation at machine tool



Use static charging in the production for adhesion, positioning or "static welding"

Put this page and your card in the fax + a simple description of your problem, and then we will draw up a suggestion for a correctly dimensioned system.



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