

## Electrosist® - *Legacy Systems*

Replace your existing Direct Charge Electrosist units with the Electrosist® Legacy Retrofit Kit.

For basic ESA applications with older Hurlertron equipment the Legacy Retrofit Kit offers a cost effective method to upgrade your existing system without the need to replace the entire installation. The Legacy Retrofit Kit, available for both hazardous and non-hazardous printing environments, includes a slide assembly power supply that fits easily into your existing cabinets.

### ESA Roll:

The rubber covering for the impression roll must be compounded specifically for the type of charging system supplied.

Contact Hurlertron for specific recommendations.

*Current Electrosist® users can maintain equipment consistency, minimize upgrade costs, and realize the benefit of many of the new features of Next Generation Electrosist®, with the Electrosist® Legacy 4674 and 4675ETL. Both systems can be purchased in new lineups or as retrofit kits with the new Electrosist® Touchscreen.*



## ESA - *Impression Roll Tester*



Rolls with dynamic resistance below specifications may result in excess charge buildup that can result in fire or personal injury. Rolls with Dynamic Resistance too far above specification may reduce the effectiveness of ESA.

Hurlertron's Impression Roll Tester will help you keep your ESA system operating safely and effectively.

# Electrosist®



## INK TRANSFER SYSTEMS

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## The Next Generation Electrosist® Features:

- Easy point and click operation
- Color touchscreen computer
- Remote diagnostics and troubleshooting
- New Windows®-based graphical user interface.

*Hurletron's line of electrostatic assist products apply a charge to the impression roller that produces an electric field between the roller and the grounded gravure cylinder. Since the ink cell is in the electric field, the ink acquires a small charge that produces a "wave" in the liquid. The substrate comes in contact with the ink, which allows capillary action and the ink is transferred to the substrate.*

*Hurletron's Electrosist improves ink transfer without other modifications to the press and gives cleaner looking print at faster press speeds.*



## Using Active Antistatics with Electrostatic Assist

Antistatic bars integrated with the Next Generation system are required with all indirect charging methods.

Hurletron also strongly recommends the addition of antistatics to ESA applications in hazardous areas, and in applications where substrates are used that tend to build a charge across the web from station to station, such as films.



## Direct Charge

Hurletron's direct charge contact assemblies and variable applicators are compatible with both Next Generation and Legacy ESA Systems.

### SCA Contact Assembly



Patent No. 5,706,724

The SCA Contact Assembly is used to transfer the ESA charge on dead shaft presses. The Assembly has no moving parts to wear out, which means much less maintenance.

### Variable Applicator Assembly

Variable Applicators use stainless steel plates to transfer the high voltage ESA charge to the surface of the impression roll.



### RotaDyne Contact Assembly

The RotaDyne Contact Assembly is designed to transfer the ESA charge on a kad shaft press. The model is designed specifically for use with sleeve type impression rolls.

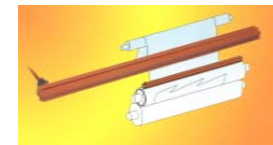


## Indirect Charge

The Indirect Charge Applicators offer an alternative to making physical contact with the impression roll in order to apply the electrostatic charge. The indirect charge is available only with the Next Generation System.

### Inductor Electrode

A traditional inductor electrode that extends across the entire length of the impression roll is the most popular of the indirect charging devices.



### Short Inductor Electrode

A patented short inductor electrode that is mounted on one side or in the center of the impression roll is also available.

