

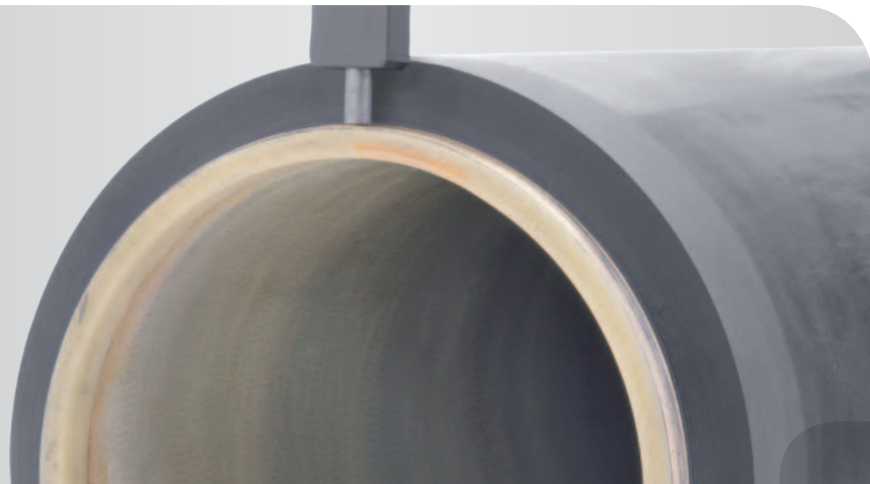
**THE WORLD'S  
SAFEST PRINTING  
ASSIST SYSTEM**

**eltex**

electrostatic  
innovations



**The new Eltex system  
ESA EASYCHARGE Exi**



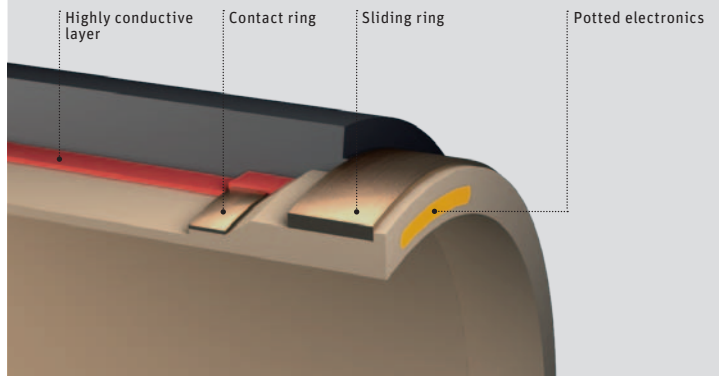
The generator is connected to the impression roller via a carbon contact and sliding ring. The highly conductive layer is connected electrically to the DAG 75 generator. The big capacity of the highly conductive layer is isolated from the generator via electronics integrated in the impression roller. It also decisively improves the dynamic performance of the ESA effect. This capacity at the same time acts as an electric charge storage and therefore as supplier of the locally variable ESA power demand.

The new printing assist system ESA EASYCHARGE Exi guarantees perfect results in gravure printing. It works without charging bars or insulated bearings and is suitable for both, sleeves and standard impression rollers.

## ➤ Number one in safety.

With its extremely low power demand of less than one watt per meter of web width, the system also ensures the lowest possible charge when printing flexible materials such as films. The new intrinsically safe ESA EASYCHARGE Exi system is also approved for explosion hazard group IIB in packaging gravure printing. It guarantees optimal ink transfer with voltages up to 1450 V and excellent printing results with unlimited impression roller widths.

The new system is also ideal for installation or retrofitting existing presses. This does not require any conversions or cost-intensive modifications to the impression roller cores or the side frame.\*



Design of the new 3-layer impression roller with highly conductive inner layer

### Reliable advantages – dot-for-dot

- perfect printing results
- 100% intrinsically safe
- operating voltage up to 1450 volts
- low maintenance
- measurement of total volume resistance
- no streaking on the impression roller
- easy installation or retrofitting for new and existing printing machines
- 3-layer impression roller can also be used for top-loading systems and direct-charge systems with insulated bearings\*
- ATEX-approved



➤ [www.eltex.com](http://www.eltex.com)

\*please refer to the technical information