NovaCentrix has introduced an integrated inkjet printing system for our proven roll-to-roll platform. The system includes greyscale capabilities for applying multiple conductive ink thicknesses in a single print pass, and can be configured with multiple inkjet modules for multi-layer and redundant jetting.

This new roll-to-roll configuration also includes a proprietary ink handling system designed specifically for the printed electronics market, and offers several inkjet head options. The system incorporates inline drying and proven PulseForge® photonic curing technology for complete material to product process on a single platform.

DEVELOPMENT, PILOT-SCALE, MANUFACTURING

The ease of use and the digital print capabilities allow this roll-to-roll system to be used throughout the product development cycle. Processing speed and web width can be configured at the time of order.

KEY FEATURES AND CONFIGURATION OPTIONS

Typical System Configurations
- Includes recirculating ink delivery, inkjet printing, drying, and sintering for conductive inks.
- Two (2) print stations with three (3) inkjet heads per station for print width of 150 mm.
- Upgradeable to four (4) or more stations for wider widths.
- Process width of 150 mm is standard. Contact us for wider widths.
- Digital tension control and web alignment.
- Integrated static suppression system.
- Robust and flexible PulseForge software with touchscreen control for tight process control process control.

Non-Inkjet Options
- A variety of printing technologies including flexographic, gravure, or rotary screen can be selected.
- Optional optical or eddy-current inspection systems available

Available w/o Roll-to-Roll Platform
- This optional configuration ships without a provided web-handling system, for custom integration on your equipment.
- Adaptable to web handling systems, platen, or conveyor based systems.