

# Complete Roll-to-Roll Inkjet System

Ink handler, inkjet heads, drying, and curing, plus Metalon® conductive inks

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

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

## KEY FEATURES AND CONFIGURATION OPTIONS

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### 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.

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