



## Features:

- Up to 25 fpm continuous speed (upgradable to 100 fpm)
- 3" or 6" O.D. Idler rollers (many options available)
- Non-topside contact
- Fully cantilevered design
- Roll weights up to 300 lbs.
- UL 508A panel

## Series 3000 Unwind/Rewind System

### Precision quality at a low cost, we'll help you get up and running quickly

With over 70 years combined thin material web handling experience, Northfield Automation is proud to introduce our new Series 3000 Unwind/Rewind System.

The Series 3000 Unwind/Rewind System will provide precision quality for your applications. Whether your process is standard or requires additional options such as a splice table or tension driven rewinding, the Series 3000 is an ideal drop in solution for your web handling needs.

Northfield Automation understands the requirements of processing thin materials and has installed hundreds of unwind/rewind units globally. Now you can benefit from our years of thin material handling in the printed electronics industry as we produce the Series 3000.

We have engineered our Series 3000 unwind/rewind system with flexibility in mind. This system will provide years of trouble-free web handling production. Know-how and flexibility have helped us develop the Series 3000 ... we are confident that we can partner with you to get your manufacturing process up and running quickly with the precision performance you are looking for.



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# Options For Series 3000 Unwind/Rewind System

## Edge Guiding

Our fully-automatic edge guide package allows precise control of the web position and material wind-up with industry leading accuracy of  $\pm 0.004$ ". Edge guiding package is available for unwind and/or rewind system.

## PLC Controlled

Our systems are PLC controlled. The PLC allows for fully automatic operation ensuring that all components are on and functioning when the web motion starts. With our system integration we can provide a full turnkey controlled process.

## Splice Table

This option will help you to perform accurate repeatable splices from one material to the next.

## Interleaf Unwind

Optional take up of interleaf material before it leaves the unwind station.

## Interleaf Rewind

Option for rewinding your sensitive materials with interleaf to prevent top side from becoming damaged when rolling up materials.

## Tension/Speed Control

Our standard 3000 system has tension control and speed control capable of speed regulation within 2 percent of full scale. The series 3000 unwind/rewind is capable of handling varying web speeds, including continuous or intermittent. Our experts can consult with you to determine the correct configuration for your system.

## Expansion Chucks

Standard 3" material shaft with 6" adapter expansion chucks. Many other options are available.

## Web Cleaning

Northfield Automation Systems can provide a variety of options for in-line web cleaning.

## HEPA Enclosure

Add a HEPA enclosure that will enable you to create a micro cleanroom environment.

## Integration

Northfield Automation Systems has been integrating/installing roll handling for processing equipment for years. We provide full turnkey integration for your process equipment including emergency stop/safety, mechanical alignment, and whole line process integration for safety, ease of operation, and to prevent material damage. We also offer an optional on-site laser alignment service to provide roller alignment and leveling.

**Contact us today and find out how the series 3000 can drop into your process to handle your needs.**



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