



# WEB HANDLING MEDIA CONVEYANCE

## Expert Web Handling, Consulting, and Training Services to Transform Your Roll-to-Roll Processes

Re:Build Optimization's web handling experts bring decades of experience in mechanical, electrical, and process engineering, specializing in roll-to-roll processes for materials such as paper, film, metal foils, and digital media products. By conducting on-site visits, we identify the root causes of your issues and offer cost-effective solutions to enhance product yield and quality. Our deep expertise in web handling, coupled with our diverse array of physical and computational tools, enables us to integrate observations from machine performance, product quality, and process efficiency. This comprehensive approach provides you with clear, actionable guidance to resolve your web handling challenges effectively and economically.





**Key Differentiators**

**Prototype Web Testing on Modular Roll-to-Roll Machines**

- Narrow Web Rewinder (NWR)
  - Capable of conveying webs up to 5.5" wide at line speeds up to 1500fpm
- Thin Web Rewinder (TWR)
  - Capable of conveying webs up to 55" wide at line speeds up to 1000fpm

**Web Handling Workshops & Onsite Consulting**

- General Web Handling
- Web Wrinkling and Spreading
- Web Winding
- Roller Performance

**Measurement & Analysis Capabilities**

- Web to Roller and Web to Web Capstan and Sled Friction
- Tensile Properties
- Stack Modulus
- Web and Roller Surface Roughness
- Nip System Diagnostics
- Winding Parameter Determination

**Testing & Inspection Capabilities**

- Roll-to-Roll Conveyance of Prototype Webs
- Tension Optimization
- Roller Traction Confirmation
- In-line Inspection
- Splicing and Slitting

**INDUSTRIES SERVED:**

- Chemicals
- Digital Media
- Food
- Cleantech
- Industrial Equipment

**LOCATIONS:**

- 📍 50 High Tech Drive  
Rush, NY 14543
- 📍 1600 Lexington Avenue  
Suite 104  
Rochester, NY 14606

**CONTACT:**

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MATERIAL EXPERTISE		
Paper	Metal Foils	Nonwovens
Film	Glass	Ceramics