

Try Our Unique Hands On Training Approach

Optimization's web handling workshops provide students with a unique hands on experience, preparing them to solve web and conveyance problems that occur on their own lines. Our workshops have two dimensions: a classroom seminar explains the engineering principles behind each web process; a live lab demonstration proves the methods used to solve the common issues that arise in the field. Our workshops are designed for engineers and technicians at all levels.

Attend a Workshop Based on Your Needs

Each workshop addresses a unique winding problem or principle. For details and scheduled classes, visit www.optimization.us/mediaconveyancefacility.aspx.

General Web Handling - presents the fundamentals of web handling; covers key concepts to optimize equipment and process designs; practical steps to eliminate waste from common problems and lab demonstrations to see web handling principles in action.

Web Wrinkling and Spreading - presents the process knowledge needed to eliminate buckling defects in spans between rollers (troughing) or on rollers (wrinkling).

Nip Roller System - shows how to improve your nipped roller process and equipment through a better understanding of the underlying engineering principles and design considerations of nipped rollers.

Center Winding - shows how to improve your roll and web quality through a better understanding of the winding process, winder design, and roll measurements.

Tension Control - Presents the fundamentals of dynamic machine tension control, drive tuning, tension control element calibrations, fundamentals of machine tension modeling, sources of dynamic machine tension losses.

Roller Performance - presents techniques to reduce tension variations, slip, and scratching associated with poor roller performance.



Our Experts

Dr. Kevin Cole is a Senior Web Handling Development Engineer with over 20 years of experience in web handling. Dr. Cole has a PhD in Mechanical Engineering from the University of Rochester. Kevin's experience also includes internal training on winding and conveyance process fundamentals. In addition to his many patents, Dr. Cole is a welcomed keynote presenter and published author for various trades journals and web handling conferences.

Robert Updike is a Senior Process Development Engineer/Web Handling Consultant with 15 years experience in manufacturing process optimization and development. Mr. Updike is a proven development and capital project leader with efficiency in analyzing complex manufacturing process interactions. His extensive experience includes experimental design, trial implementation, new process development and manufacturing scale-up.

Our Partnership with TJ Walker + Associates

Optimization has a growing alliance with TJ Walker+Associates, based in St. Paul, MN.



A recognized industry expert, Tim Walker has been a process development engineer for over 25 years at 3M and as an independent consultant. Driven by demand, our workshop series is just one way to tap into our combined knowledge. We also provide custom services for our clients.