



# BID'S GLOBAL LEARNING CENTER

LEADING THE LEARNING REVOLUTION IN OUR INDUSTRY

## OPTIMIZATION COURSES – 2024

Comact Optimization Systems – In-Class Learning

Transverse Optimization Systems

GradExpert™, TrimExpert™, EdgExpert™, Edger, and Trimmer

### INTRODUCTION TO TRANSVERSE SYSTEMS

Beginner Level | 4-day course

#### DESIGNED FOR

Maintenance, quality assurance, and supervisory personnel

#### OBJECTIVE

The Introduction to Transverse Systems course provides participants with a comprehensive understanding of the fundamental concepts, principles, and applications of transverse systems used in wood processing.

#### WHAT YOU'LL LIKE

Hands-on learning, optimized student/instructor ratio

#### WHAT YOU'LL LEARN

- The role of transverse systems in the sawmilling industry and their significance in optimizing lumber production
- To identify and explain the key components, technologies, and configurations of transverse systems
- To evaluate the operational and maintenance requirements for transverse systems, emphasizing safety and efficiency

#### BENEFITS

- Improve your knowledge and skills for the management of transverse optimization systems
- Resolve most issues internally
- Reduce calls for support
- Reduce equipment downtime when issues arise

#### 2024 CLASSES

January 23 • February 13 • April 9 • May 14 • July 16 • August 13  
October 15 • November 12

### ADVANCED TRANSVERSE SYSTEMS

Advanced Level | 4-day course

#### DESIGNED FOR

Maintenance, quality assurance, and supervisory personnel

#### OBJECTIVE

The Advanced Transverse Systems course is designed to equip participants with an expert-level analysis of complex transverse system configurations and their impact on lumber production, efficiency, and quality. Additionally, learners will be able to identify and diagnose potential issues and malfunctions within transverse systems, employing advanced troubleshooting techniques to maintain seamless sawmill operation.

#### WHAT YOU'LL LIKE

Hands-on learning, optimized student/instructor ratio

#### WHAT YOU'LL LEARN

- Managing market or log diet changes or simulations
- Impact of parameter changes on lumber demonstrated by scanning lumber in the training scanner
- How to analyze scanning solutions

#### BENEFITS

- Facilitate the management and operation of transverse optimization systems
- Improve optimization results
- Reduce equipment downtime when issues arise
- Troubleshoot on your own
- Resolve most issues easily
- Reduce calls for support

#### 2024 CLASSES

February 6 • April 16 • June 11 • August 6 • October 8 • December 3



## OPTIMIZATION SYSTEMS / TECHNICAL

Electrical and Hardware Components | 2-day course

### DESIGNED FOR

Electrical, maintenance, and quality assurance personnel

### OBJECTIVE

Provide the theory and practical knowledge to troubleshoot, repair and maintain the system components

### WHAT YOU'LL LIKE

Hands-on learning on the optimization system hardware, computers, and electrical components

### WHAT YOU'LL LEARN

- Component replacement procedures
- Proper cleaning procedure for computer cabinet
- Proper cleaning procedure for a transverse optimization system (e.g., the GradExpert™)
- Proper shutdown procedure for the computer cabinet
- Calibration procedures for the light curtain, laser heads and cameras

### BENEFITS

- Advanced knowledge of the electrical and hardware components
- Troubleshoot and resolve electrical and hardware issues on your own
- Reduce calls for support

### 2024 CLASSES

March 26 • June 25 • September 4 • December 17

## INTRODUCTION TO LINEAR SYSTEMS

Log Bucking, Log Sorter, Primary and Secondary Breakdown Equipment C1/C2 | 3-day course

### DESIGNED FOR

Maintenance, quality assurance, and supervisory personnel

### OBJECTIVE

Provide the theory and practical knowledge to fully manage the linear system while acquiring new competencies and skills

### WHAT YOU'LL LEARN

- Introduction to the sawmill linear optimization systems which includes log bucking, log processing and cant optimization
- System configuration and interface management
- Calibration procedures
- Troubleshooting of the hardware and electrical components

### BENEFITS

- Facilitate the system configuration and interface management
- Improve optimization results
- Reduce equipment downtime when issues arise
- Reduce calls for support

### 2024 CLASSES

January 16 • March 12 • May 21 • July 9 • September 10 • October 29

## LEARNING HIGHLIGHTS

- Learning provided by specialists
- General and in-depth learning for the different categories of employees in a mill
- Optimal student/instructor ratio to ensure maximum engagement and learning
- Individual workstations allow students to simulate and get hands-on experience
- All in-class learning is provided at BID'S Global Learning Center in St. George, South Carolina

Contact us at [GlobalLearningCenter@bidgroup.ca](mailto:GlobalLearningCenter@bidgroup.ca) for more details and to schedule a course, or contact your account manager.

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