

TRAINING SEMINARS



Black Bros. offers comprehensive training seminars/workshops to help customers get the maximum performance from their equipment. Our trained professionals teach your team members the safest, simplest, and most successful methods for operating and maintaining your machinery.

Who should attend? And why...

Supervisors, operators, and maintenance staff will benefit from being taught safer working habits, cost-saving routines, and efficient operating procedures. Each session lasts approximately four hours and can be attended by up to 15 team members.

1. INTRODUCTION

Advantages of training seminar:

- Improved safety awareness
- Better quality
- Material savings
- More "up time"
- Lower maintenance costs
- Proper cleanup procedures

Continued on back...

Black Bros. can provide customized training to meet specific operational needs outside of traditional Roll Coaters and Adhesive Spreaders.



**Auto Clean feature
on 775 Adhesive Spreader**



Since 1882 the Black family name has been synonymous with superior machinery. Legendary for high production and unmatched durability, Black Bros. has earned a global reputation as the most-trusted laminating technology available.

PROUDLY MADE IN MENDOTA, IL



815-539-7451

LET'S CONNECT!



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www.blackbros.com

COMPREHENSIVE TRAINING SEMINARS/WORKSHOPS

2. SAFETY CHECKLIST

Operators:

- Understanding instructions covered in Machinery Manual
- Using Control Bars and/or E-Stop Cables
- Proper dress, jewelry, hair
- Being mentally alert, no medical restrictions

Machines:

- Inspecting electrical boxes/wiring
- No foreign objects resting on machine
- All guards in protective position
- All controls functioning properly
- Clean and orderly surrounding area

3. MACHINE SETUP (FOR PRODUCTION)

- Installing and adjusting end seals
- Setting roll separation for stock thickness
 - Use of roll opening indicator
 - Checking/adjusting for parallel rolls
- Adjusting Doctor Roll for proper glue rate
- Filling reservoir with adhesive/coating
- Starting the machine
- Adjusting variable speed drive (if apropos)
- Visual and audible checks for irregularities
- Using wet film gauge/gram scale/micrometer to measure test substrate

4. MACHINE OPERATION

- Inspecting substrates for compatibility
- Feeding stock by hand or automation
- Handling/transferring stock upon exiting
- Understanding optional machine features

5. PREVENTATIVE MAINTENANCE

How to inspect:

- Rubber roll surface
- Roll concentricity
- Doctor roll drive gears
- Doctor roll friction clutch
- Motor drive and controls
- Roll journals and bearings
- Idler sprockets, studs, and drive chain
- Drive and roll sprockets
- Elevating mechanism
- Lubricate and reducer/gear box oil level



6. TROUBLESHOOTING

- Wring-off or squeeze-off of sides or trailing edge (scan QR code below)
- Variations in coating thickness
- Rejects caused by:
 - Foreign particles and contamination
 - Roll defects
 - Wrinkles, bubbles, blisters, etc.
 - Adhesive/coating on back side of stock

7. ROLL CHANGING

- Following detailed instruction in Machinery Manual or scan QR codes below for video instructions.

8. MACHINE CLEANUP

- Manual or automated cleanup performed, or scan QR code below.



Adhesive Application



Machine Cleanup

BLACK BROS. CO HEADQUARTERS

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Roll Installation



Roll Removal