



TAPPI Lean Manufacturing: Machine Calibration and Tooling Course

**September 20-21, 2008
Georgia World Congress Center
Atlanta, Georgia, USA**



Learn how to improve your manufacturing process at this intensive two-day course.

This direct, easy-to-understand course presents an aggressive approach to cost-effective manufacturing, including ink management, effective set-up techniques, and machine calibration.

In this interactive two-day course, participants will learn how to take the guesswork out of the process of running die cutters and flexo folder gluers.

www.tappi.org/08lean



OVERVIEW

Participants will:

- Discuss how tooling, printing plates and cutting dies should be purchased and used in a cost-effective manner
- Learn how to make boxes more efficiently and cost-effectively by implementing the Five S Program (Sort, Set in Order, Shine, Standardize and Sustain)

Who will benefit most from this course?

- Senior operators
- Production managers
- Superintendents
- Quality assurance managers
- Regional engineers
- Maintenance engineers, managers and superintendents

After taking this course, attendees will be able to...

- Identify complete methods to “Zero the Gear Train” in the press
- Explain effective and proven one-box set-up techniques
- Describe the settings required to complete the Time & Register Process
- Explain proper centerlining techniques
- Discuss methods to control ink management, consistent color and proper wash-up procedures
- Describe proper methods of measuring TIR (Total Indicator Runout) settings for pull collars, scoring and slotter heads
- Discuss a proper anilox roll care and maintenance schedule
- Outline a proven Five S Program (Sort, Set in Order, Shine, Standardize and Sustain)
- Identify tools for effective waste reduction
- Simulate the presentation of technical and commercial contracts to printing plate and cutting die suppliers

SCHEDULE

Tuesday, September 20

8 a.m. to 5 p.m.

Proper Ink Management

- Methods to control ink management, consistent color and proper wash-up procedures
- Develop a proper anilox roll care and maintenance schedule

Machine Calibration

- Methods to zero the gear train in the press—this is necessary in learning and practicing the one-box set-up program
- Centerlining techniques—pre-setting the nips in their press
- Time and register process—this is an effective way to set the registers for process control and one box set-up procedures

One Box Set-up Breakout Session

- One box set-up is the proven way to manage your process so that new orders can be set up with one or two sheets
- Team activity—the class will be broken into five (5) teams with each team operating as a complete box plant. Each team will create specific time and register methods, centerlining methods and recipe cards, and will present their findings to the class
- Create effective recipe cards—recipe cards record the best run settings for the orders

Wednesday, September 21

8 a.m. to 5:30 p.m.

Machine Calibration

- Time and register (continued)
- Methods of measuring 'TIR' (Total Indicator Runout) settings for pull collars, scoring and slotter heads

Vendor Certification—

“How to Improve Vendor Performance”

- Manage what the plant buys and how to choose the right suppliers
- Learn to develop specific guidelines regarding what the box plant needs from each individual supplier and how to meet those needs i.e. cutting die, printing plate vendors and ink suppliers

Vendor Certification Breakout Session

- Write specifications on printing plates and cutting dies
- Discuss buying ink and detergents

Waste Reduction

- Focus on issues with overall waste reduction in the plant, specifically with paper
- Set up a predictable maintenance program

Five “S” Plan: Sort, Set in Order, Shine, Standardize and Sustain

- Learn better floor layout and process control

DETAILS

Meet the Instructor:

Richard P. Target

Instructor Richard P. Target

The Lean Manufacturing: Machine Calibration and Tooling Course will be taught by Richard P.



Target of "On Target" Consultants. Dick has been assisting the corrugated industry in manufacturing and converting technology for more than thirty years, with emphasis on sheet caliper, warp control,

printing technologies, ink management, die cutter and flexo folder gluer box quality and productivity. Dick has installed set-up reduction programs along with productivity improvement in numerous plants, and has worked directly with management in directing product flow along with hands-on programs with floor supervision and machine operators.

CEUs

The Education Project Center of TAPPI has been reviewed and approved as an authorized Provider by the International Association for Continuing Education and Training (IACET). 1620 I Street, NW, Suite 615, Washington, D.C. 20006. TAPPI will award 1.6 CEUs to participants who attend at least 80% of the educational sessions and complete a final program evaluation. Participants will receive a set of written materials created by the instructor as a take-home handout from the course.

Registration

Already planning to attend SuperCorrExpo 2008 the following week? Take advantage of your trip by adding the Lean Manufacturing course to your schedule for only an additional \$500!! Cost of the 2 day Lean Manufacturing Course alone is \$1295

Delta Airlines

Delta is the official airline for all TAPPI events. To receive a TAPPI discount, make your Delta Air Line reservations by visiting the www.supercorrexpo.org website and follow the instructions. Please note: If you go the the www.delta.com website directly you will *not* get a discount.

Discounted Car Rental

Avis

Avis offers special discounts off regular rates for participants. To reserve your car, call 1.800.831.8000 and refer to the code AWD: #U226600.

Hertz

Save \$5 a day up to \$25 off your rental car. This special offer is valid one week before through one week after the event dates. Make your reservations on-line using your CDP# 1752380 and Promotional Code# 105825. Or call 1.800.654.2210 in the U.S.

Hotel

Check www.supercorrexpo.org for special hotel rates for the Lean Manufacturing Course and the Conference.



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REGISTRATION FORM

THREE EASY WAYS TO REGISTER

- 1) By Mail** TAPPI c/o Epic
10900 Granite Street
Charlotte, NC USA 28273
- 2) By Fax** Fax completed registration form
to +1.980.233.3800
- 3) By Phone** Call 1.800.941.2791 (US & Canada)
+1.980.233.3777 (Worldwide)

Questions? Email kledbetter@tappi.org

1. WHAT TYPE OF COMPANY DO YOU WORK FOR?

(choose only one)

- Pulp and Paper/Paperboard Manufacturing (1)
- Paperboard Packaging Integrated Converting Plant (4AD)
- Paperboard Packaging Independent Converting Plant (4AO)
- Paperboard Packaging Headquarters (4AH)
- Independent Consultant: Engineering, Technical Production or Research (2)
- Manufacturer of Machinery, Equipment, Chemicals or Supplies (7)
- Woodlands Operation (3)
- Flexible Packaging Converting Plant (4BO)
- Flexible Packaging Headquarters (4BH)
- Dealer or Distributor of Supplies (8)
- University Professor (9A)
- Full Time Student (9B)
- University Library (9C)
- Press (10A)
- Library (10B)
- Association (10C)
- Government (10D)
- Retired (13)
- Nonwovens (14)
- Printing/Graphic Arts (15)
- Allied to the Industry (12)
- Industry Customer (end user) (16)

2. WHAT IS YOUR PRIMARY JOB FUNCTION? (check one)

- Librarian – Corporate (A)
- Technical Research (D)
- Marketing & Sales (G)
- Corporate Management (B)
- Engineering (E)
- Traffic & Shipping (H)
- Production (C)
- Purchasing & Stores (F)
- Other Management & Administrative Personnel (I)
- Other: _____ (J)

3. WHAT IS YOUR PRIMARY INDUSTRY? (check one)

- Pulp Mill Only (P)
- Technical/R&D Facility/Headquarters (H)
- Paper/Paperboard Mill Only (R)
- Independent Operations or Converting Plant (O)
- Integrated Pulp/Paper/Paperboard Mill (D)

Do you require special accommodations for handicapped access? Yes No

The contact information you provide may be used by TAPPI or it's business associates to notify you of items that may be of interest to you. I understand that under certain laws and regulations, TAPPI must have written permission in order to communicate with me via fax or e-mail. I hereby give TAPPI, TAPPI's business associates, the TAPPI Foundation, and TAPPI's Local Sections written permission to communicate with me via:

Fax and/or E-mail

GENERAL INFORMATION (Please print or type. Submit a separate form for each attendee, spouse or guest.)

Please circle: Mr. Ms. Mrs. Dr. Sr. Jr.

First Name _____ MI _____ Last Name _____

TAPPI or PIMA Member # _____ Badge Name _____

Title _____ Company Name _____

Address _____

City _____

State/Province _____ Zip/Postal Code _____

Country _____

Email _____

Telephone _____

Fax _____

Please note: You can attend both the TAPPI International Corrugated Packaging Conference and the Lean Manufacturing Course for one fee. See below for pricing

Registration Fee (circle all that apply) • All fees are in US Dollars.	On or before 8-22-08	After 8-22-08
Member* - Full Conference & Lean Manufacturing Course	\$ 1,395	\$ 1,845
Non-Member - Full Conference & Lean Manufacturing Course	1,845	2,250
Member* - Lean Manufacturing Course Only	1295	1295
Non-Member - Lean Manufacturing Course Only	1995	1995
Academic or Retired	call 980.233.3777 for pricing	
Renew/Join TAPPI - Annual Membership	174	174
Total Due:		

*Member discounts are available to members of TAPPI, ACCA, ACCCSA, FBA, ICPF and WICMA who are in good standing. To qualify for member discount, please supply your TAPPI Member number above or your other qualifying Association Member number here: _____

METHOD OF PAYMENT (All fees must be paid in U.S. Dollars and must accompany registration forms)

Checks: Enclosed is check number _____ for the full amount of \$ _____

Please mail checks to TAPPI c/o Epic, 10900 Granite Street, Charlotte, NC, USA 28273

(Make checks payable to TAPPI, check must be in US dollars).

Wire Transfer: \$ _____ was wired as payment on _____ (date)

Please bill my credit card: Amex Diner's Club Discover MasterCard Visa

Credit Card # _____ Exp _____

Signature _____

Cancellation Policy:

If you find that you have to cancel, your full registration fee will be refunded if TAPPI's Registration Department receives written notification (fax acceptable at +1.770.446.6947) by Friday, August 22. Please note: There will be a 50% refund for all written cancellations made after Friday, August 22 but no later than Friday, September 12. After Friday, September 12, no refunds can be issued. Substitutions, however, will be accepted any time without a penalty.