



TRAINING CATALOG

**



Recommended Curriculums (Learning Programs)

Plant Management	Office	Machine Operators	Maintenance	On-Demand
Build a Retread Training (BAR)	BibTread Next 101	Post Readiness (LMS Videos)	Preventative Maintenance Pre- Mold	Retread 101
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New Plant Manager Training	BibTread Next Shop Floor	Post Certification	Preventative Maintenance Custom-Mold	Michelin Plant Tour
 BibTread Next (APP) Power BI Reporting (in POC) 			Troubleshooting Level 1	
Maintenance Relationship			1	
			Troubleshooting Level 2	
			1	
			1 Point Lesson/Coaching	





Course Descriptions



Name: Michelin Retread Training Catalog.docx Confidentiality: D3 Retention: RA Owner: MRT/TRN Date: Aug 2023



Post Readiness

Descriptio	n	Audience
A manufacturing environment is different than Readiness program provides a video introduct post operations and safety to prepare them for online instructional videos are available in En	Post Operators	
Objective	Competencies Gained	Learning Delivery
The learner will be able to explain the basic operations and safety procedures for the one post they are assigned. Employees return to this module each time they take on a new post.	Post SafetyPost Operations	Location: MRT LMSOn-Demand Video

Outcomes

• Employee is ready to start to start post training with certified operator

Measurements

• Evaluation of understanding from the certified operator

Area	Skill Behavior	Specific Training
	General Safety and Site Onboard	ling are prerequisites.
Initial Inspection	Inspect casings identified for retread, repair, or further X-ray inspection.	Video (15 Mins.)
Buffing	Setup and monitor machine that removes the old tread.	Video (40 Mins.)
CIA	Detect any anomalies in the casing.	Video (15 Mins.)
Skive	Fix and casing issues.	Video (11 Mins.)
Repair	Fix any casing issues.	Video (18 Mins.)
Fill	Fill skives.	Video (11 Mins.)
Tread Building	Application of new tread.	Video (40 Mins.)
Enveloping	Wrap the tire to prepare for curing.	Video (17 Mins.)
Chamber	Load, cure, and unload the new tire.	Video (30 Mins.)
Final Inspection	Inspect tire for any anomalies and customer specifications.	Video (15 Mins.)
Trainer Tracking	Tracking of progress – safety for example.	Training Log/Focus

Owner - mike.widmyer@michelin.com





Post Certification

Descriptio	n	Audience
Making quality products does not happen by a the operator of a specific post how to safely o quality retread. Each post is a separate cour learning/agenda: Initial Inspection Buffing Casing Integrity Analysis® (CIA) – Sho X-Ray Skive Repair Fill Tread Building Double-enveloping Curing Final Inspection	perate that post to produce a rse with the same	Post Operators
Objective	Competencies Gained	Learning Delivery
To safely produce quality retreads "Right the First Time" and can operate their post unsupervised. Employees come back to this module each time they take on a new post.	Post SafetyPost Operations	 Location: On-Site Classroom/Shop floor 3 Days Min Class Size: 1 Max Class Size: 10

Outcomes

- Good Retreads
- Efficiency is 70%-80% (will increase with time)

Measurements

- Right the First Time (RFT)
- Safety Incidences
- Efficiency (Output compared to standard)

Area	Skill Behavior	Specific Training	
	Shop Overview Training (LMS Videos) is a prerequisite.		
Safety	Operator is trained to operate the post and carry out tasks in a safe manner.	Hands-On Training	
Work Method	Step by step procedures to perform the task with all required PPE.	Hands-On Training (of the operation of the post/machine)	
Specifications	Training of the MRT tolerances related to the given post.	Verbal Instruction and Document Review	
Evaluation	Evaluation of the operator performing the job.	Observation	
Certification	Confirmation of knowledge.	Written and Verbal Test	

Owner - mike.widmyer@michelin.com





Training Blitz (3 to 5 trainers)

raining Biltz (3 to 5 trainers)		
Descriptio	n	Audience
Making quality products does not happen by the operator of a specific post how to safely of quality retread. Each post is a separate coullearning/agenda: Initial Inspection Buffing Casing Integrity Analysis® (CIA) – Sheat X-Ray Skive Repair Fill Tread Building Double-enveloping Curing Final Inspection	operate that post to produce a rse with the same	Post Operators
Objective	Competencies Gained	Learning Delivery
To safely produce quality retreads "Right the First Time" and can operate their post unsupervised. Employees come back to this module each time they take on a new post.	Post SafetyPost Operations	 Location: On-Site Classroom/Shop floor 4 Days Min Class Size: 3 Max Class Size: 15

Outcomes

- Good Retreads
- Efficiency is 70%-80% (will increase with time)

Measurements

- Right the First Time (RFT)
- Safety Incidences
- Efficiency (Output compared to standard)

Area	Skill Behavior	Specific Training		
	Shop Overview Training (LMS Videos) is a prerequisite.			
Safety	Operator is trained to operate the post and carry out tasks in a safe manner.	Hands-On Training		
Work Method	Step by step procedures to perform the task with all required PPE.	Hands-On Training (of the operation of the post/machine)		
Specifications	Training of the MRT tolerances related to the given post.	Verbal Instruction and Document Review		
Evaluation	Evaluation of the operator performing the job.	Observation		
Certification	Confirmation of knowledge.	Written and Verbal Test		

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Build a Retread Training (BAR)

Descript	ion	Audience
This hands-on training provides a participant the opportunity to take one tire completely through the retreading process, operating on every post.		New Plant Manager (Day 1)Or pull from any position
Objective	Competencies Gained	Learning Delivery
Participant will have a good overview of the entire retreading process. They will also have operated and/or run every post from start to finish. This provides a clear understanding of what goes into making a retread.	 Appreciation of equipment operation Understanding of work methods 	 Location: Fountain Inn, Sc Workshop 1 Day (8 hours) Min Class Size: 5 Max Class Size: 25

Outcomes

- Knowledge of operating each post (with assistance)
- Completed the entire retreading process

Measurements

Will physically operate at all posts within the retreading process with assistance from MRT trainer
 However, will not be certified to operate post without supervision

Area	Skill Behavior	Specific Training
Shop Overview Training (LMS Videos) is a prerequisite.		
Post Ready Videos	Operator gets a foundational overview of each work post.	Videos for each Post in the retreading process
Safety	Operator is trained to operate the post and carry out tasks in a safe manner.	Hands-On Training – taking a tire through the entire process
Work Method	Step by step procedures to perform the task with all required PPE.	Hands-On Training of the operation of the post/machine
Specifications	Training of the MRT tolerances related to the given post.	Verbal Instruction and Document Review

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New Plant Manager Training

Descripti	on	Audience
Training to teach new Plant Managers lean manufacturing concepts and how they apply to retreading. Topics include capacity, inventory, productivity, operating expense, etc (IE). Training also involves how Retread Business Managers (RBMs) can support new Plant Managers, and how they can assist with Velocity and MyShop tools and quality-control plans (RBM). Finally, New Plant Manager Appreciation is also incorporated as a part of this training (Maintenance).		 New Plant Managers Existing Plant Managers
Objective	Competencies Gained	Learning Delivery
The new Plant Manager will have a better understanding of how to manage retread plant operations effectively.	 Understanding of MRT Process and flow BTN overview Maintenance overview Understanding of cost analysis and Michelin IE principles 	 Location: Fountain Inn, SC 3 Days Min Class Size: 2 Max Class Size:10

Outcomes

- Completed BAR Training
- Completed sessions with RBM, BTN, Maintenance, and IE groups

Measurements

• Will receive useful information via in-person instruction, presentation and document review

Area	Skill Behavior	Specific Training
Build A Retread (BAR) Training	Participant takes 1 tire completely through the process operating every post	Hands-On Training (see Build a Retread Training)
RBM Support	Participant understands how the RBM role supports a new plant manager	Verbal Instruction and Document Review
Velocity/MRT Quality Control	Participant understands the process of quality control and monthly inspections	Verbal Instruction and Document Review
MyShop	Participant gains competency of the MyShop tool	Verbal Instruction and Document Review
IE Training	Participant gains understanding of IE principles	Verbal Instruction and Document Review
BibTread Next 101	Participant gains competency of BTN tool	Verbal Instruction and Document Review
New Plant Manager Appreciation	Participant is given an overview of MRT equipment	Verbal Instruction and Document Review

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Controlled Flow System (CFS)

	NA CONTRACTOR OF THE CONTRACTO	Audience
Descriptio	·11	Audience
The purpose of this training is to teach plant of theory of constraints from The Goal book. The of balanced and unbalanced manufacturing symanagement. Basic statistical concepts are to standard deviation). Using the plant's product System is designed for the plant and implement provided. Additionally, a preliminary custom C with detailed staffing recommendations. This to Dice game.	e training includes the simulation systems to demonstrate flow aught (expected value, variance, ion data, a Controlled Flow entation instructions are controlled Flow Model is built	Plant Managers
Objective	Competencies Gained	Learning Delivery

Outcomes

- Manager will be able to discuss CFS for IE visit/consult
- Identify bottlenecks based on queue size
- Identify what is affecting capacity
- Identify balanced and unbalanced systems

Measurements

- Posts operating at or above MRT standard
- Calculate plant capacity

Area	Skill Behavior	Specific Training
Dice Game	Participant gains a comprehensive understanding of Pull Flow principle	Verbal instruction and presentation
Controlled Flow System Presentation	Participant learns Controlled Flow System, concept of theory of constraints	Verbal instruction and presentation
Controlled Flow System Plan	Participant applies CFS concepts to their shop/plant using the Controlled Flow model (scheduling, operator assignments, and queue management)	Hands-On Training

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Cost/Unit Training

Description	Audience	
Training to each new plant managers how to the Cost Analysis spreadsheet. Each subcat Overhead cost structure is explained as well The plant's Labor and Overhead costs are b in the MRT network.	Plant Managers	
Objective	Learning Delivery	
The participant can analyze retread plant cost data and determine ways to reduce their cost/unit.	 MS Excel spreadsheet usage Calculate cost/unit via spreadsheet 	Virtual Training (2 hours)

Outcomes

- Effectively use the Cost Analysis Spreadsheet
- Create different scenarios to compare labor and overhead costs
- Create reasonable goals to improve cost/unit
- Identify problem areas where costs could be improved

Measurements

Reduced cost/unit

Area	Skill Behavior	Specific Training
Cost Analysis	Effective use of Cost Analysis spreadsheet	Verbal Instruction and Document Review

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Flow Optimization

Description	Audience	
An IE visit to determine opportunities for improvement in plant production. Queue sizes are analyzed at each post, and continuous observations are completed on the bottleneck posts to determine root causes. Results of the study are communicated to the plant manager. This involves a detailed custom Controlled Flow Model with detailed staffing recommendations, and adjustments can be made based on continuous observations.		Plant ManagerOperatorsRetread Business Manager (RBM)
Objective Competencies Gained		Learning Delivery
Identifies the plant's bottlenecks and provides actions and focus points for improvement.	 Continuous observation study Queue analysis MS spreadsheet usage Calculate optimized flow with target production and operator productivity goals 	Location: On-SiteField Study2 Days

Outcomes

- Identify actions to improve bottlenecks
- Use and application of Controlled Flow Model

Measurements

- Plant production
- Operator productivity
- Time studies for desired posts
- Queue sizes

Area	Skill Behavior	Specific Training
	IE consults with plant manager to	
Flow Optimization Session	elaborate on results from Continuous Observation and references Controlled Flow Model to identify bottlenecks and methods of improvement to attain production/productivity goals	Verbal Instruction and Document Review

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Manager Shop Appreciation (Maintenance)

Description		Audience
Provide MRT Equipment Overview for retread Managers.		Plant Managers
Objective Competencies Gained		Learning Delivery
One-day class planned to provide the Retread shop manager with the knowledge needed to evaluate the effectiveness of their Maintenance Tech. Provide them with the terminology and understanding of what components/ key items they should focus on during a shop floor tour or 1-on-1 with their Tech.	 Machine Component Identification Machine Vocabulary PM Structure Key Point Failure Identification 	 Location: Fountain Inn, SC Classroom 4 hours Min Class Size: 1 Max Class Size: 4

Outcomes

Ability to effectively manage plant maintenance team

Measurements

• Improved Equipment Uptime

Area	Skill Behavior	Specific Training
My Shop	Participant gains competency of the MyShop tool	Verbal Instruction and Document Review
Work Method	MyShop Access	
	PM Manual Overview	

Owner - allen.crowe@michelin.com





Preventative Maintenance Pre-Mold

Description		Audience
Hands-On Equipment Preventative Mainten PM plans for each piece of equipment, performachine, review machine safety, MyShop of and supplies needed for PMs.	Maintenance Techs & Plant Managers who are performing the role of Maintenance	
Objective	Competencies Gained	Learning Delivery
The Franchise or Licensee Maintenance Tech is fully capable of performing PMs on their own to MRT standards. This includes the knowledge of proper safety techniques, knowledge of tools and equipment required, how to document completed PMs, how to perform the PM, and the key components to identify during the PM.	Ability to perform Preventive Maintenance Tasks on all Pre-Mold Equipment	 Location: On-Site Classroom/Tutoring 2-4 hours Classroom – future CBT 20-30 hours on-equipment tutoring Min Class Size: 1 Max Class Size: 3

Outcomes

Ability to perform Preventive Maintenance Tasks on all Pre-Mold Equipment

Measurements

• PM Audit Scores > 90%

Area Skill Behavior		Specific Training		
	LOTOTO is a prerequisite - training	g must be provided by Dealer		
	MyShop Access is a prerequisite			
	Attendee should review PM Manuals before training			
Demonstrated Mechanical and Electrical Aptitude				
Safety	Technician is trained to carry out tasks in a safe manner.	Hands-On Training – perform full PM with MRT oversight on each type of post		
Work Method	Step by step procedures to perform the task with all required PPE.	Hands-On Training of the PM on each post/machine		
Specifications	Training of the specific steps pointed out in the PM manual	Verbal Instruction and Document Review		

Owner - allen.crowe@michelin.com





Preventative Maintenance Custom Mold

Description	Audience	
Hands-On Equipment Preventative Maintenant PM plans for each piece of equipment, performachine, review machine safety, MyShop over and supplies needed for PMs.	Maintenance Techs & Plant Managers who are performing the role of Maintenance	
Objective Competencies Gained		Learning Delivery
The Franchisee or Licensee Maintenance Tech is fully capable of performing PMs on their own to MRT standards. This includes the knowledge of proper safety techniques, knowledge of tools and equipment required, how to document completed PMs, how to perform the PM, and the key components to identify during the PM.	Ability to perform Preventive Maintenance Tasks on all Custom-Mold Equipment	 Location: On-Site Classroom/Tutoring 24 hours Min Class Size: 1 Maximum Class Size: 3

Outcomes

• Ability to perform Preventive Maintenance Tasks on all Custom-Mold Equipment

Measurements

• PM Audit Scores > 90%

Area	Skill Behavior	Specific Training			
	LOTOTO is a prerequisite – training must be provided by Dealer				
	Preventative Maintenance Pre	-Mold is a prerequisite			
	MyShop Access is a	a prerequisite			
	Attendee should review PM Manuals before training				
Demonstrated Mechanical and Electrical Aptitude					
Safety	Technician is trained to carry out tasks in a safe manner.	Hands-On Training – perform full PM with MRT oversight on each type of post			
Work Method	Step by step procedures to perform the task with all required PPE.	Hands-On Training of the PM on each post/machine			
Specifications	Training of the specific steps pointed out in the PM manual	Verbal Instruction and Document Review			

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Troubleshooting Level 1

Description		Audience
Hands-On MRT Equipment troubleshooting class.		Maintenance Techs & Plant Managers who are performing the role of Maintenance
Objective Competencies Gained		Learning Delivery
The Trainee will spend the week learning an overview of MRT equipment, Print reading, parts identification, equipment and component troubleshooting, and basic learning on meter usage.	 Machine Component Identification Machine Vocabulary Key Point Failure Prevention Troubleshooting Basics Help Desk Basics Electrical, Mechanical and Pneumatic Print Reading 	 Location: Fountain Inn, SC Classroom/Tutoring 24-32 hours (40% classroom) Min Class Size: 2 Max Class Size: 6

Outcomes

• Improved ability to self-diagnose and troubleshoot MRT retreading equipment

Measurements

• Improved Machine Up-Time

Area	Skill Behavior	Specific Training			
	LOTOTO is a prerequisite – training must be provided by Dealer				
	Preventative Maintenance Pre-Mold is a prerequisite				
	MyShop Access is a				
	Attendee should review PM N	Manuals before training			
	Demonstrated Mechanical a	nd Electrical Aptitude			
Safety Technician is trained to carry out tasks in a safe manner. Hands-On Training – LOTOTO points an identified					
Work Method Best practices for troubleshooting MRT equipment		Hands-On Troubleshooting Training on each post/machine			
Specifications	Training of the specific technology on each piece of equipment	Verbal Instruction and Document Review			

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Troubleshooting Level 2

Description	Audience	
More advanced follow-up to the Level 1 training with more time spent on troubleshooting.		Personnel that have successfully completed Troubleshooting Level 1
Objective Competencies Gained		Learning Delivery
The Trainee will spend the week learning an in-depth overview of MRT equipment parts identification, equipment and component troubleshooting, and more basic learning on meter usage.	Advanced Troubleshooting Skills	 Location: Fountain Inn, SC Classroom/Tutoring 24-32 hours (10% classroom) Min Class Size: 1 Max Class Size: 4

Outcomes

Improved Troubleshooting Skills

Measurements

• Improved Equipment Up-Time

Area	Skill Behavior	Specific Training			
Alou	LOTOTO is a prerequisite – training must be provided by Dealer				
	Troubleshooting Level 1 is a prerequisite.				
	Preventative Maintenance	Pre-Mold is a prerequisite			
	MyShop Access				
	Attendee should review Pl				
	Demonstrated Mechanica	ıl and Electrical Aptitude			
Safety	Safety Technician is trained to carry out tasks in a safe manner. Hands-On Training – LOTOTO points are identified				
Work Method	Best practices for troubleshooting MRT equipment	Hands-On Troubleshooting Training on each post/machine			
Specifications	Training of the specific technology on each piece of equipment	Verbal Instruction and Document Review			
Specifications	Training of specific techniques used in troubleshooting	Use of simulation of problems/faults of the most common faults/machines.			

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BibTread Next 101

Descriptio	Audience	
This training covers a variety of facets that relatively involves work order creation and BTN mobile again a better understanding of work order anat (BTM), work order search and the audit trail, at participant will also learn about BTN referential product data (referential) data in BTN, Pre-Mol referentials and assigning treads to plants, and dealer part numbers for point-of-sale system. It given an overview of shop floor operations and adjustments, workflow, and handling rejects ar	Plant Manager or designated employee	
Objective	Objective Competencies Gained	
Obtain competence in the day-to-day administration of BibTread functionality		 Location: Fountain Inn, SC Classroom/Tutoring 1 Day Min Class Size: 2 Max Class Size: 10

Outcomes

Basic competencies in all areas of BTN covered

Measurements

- Ability to perform work order creations and searches
- Ability to carry out basic reporting
- Ability to process adjustments, rejects, reruns, and reworks

Area	Skill Behavior	Specific Training	
	Ability to pull reports from both BTN		
Reporting	and Qlik in support of the	Reports training module/hands on	
	Retreader's business		
Work Order	Understand the work-order creation	Work Order training module/hands on	
Creation	process	Work Order training module/nands on	
Basic Search	Ability to search	Back Office administration training module/hands	
Func.	casing/workorder/pack list in BTN	on	
Casing Grading	Understand and apply basic casing	Casing Grade training module/hands on	
Casing Crading	grade ruled in BTN	Casing Grade training module/names on	
User Management	Ability to Create new and modify	User management training module/hands on	
User Management	existing users	Oser management training module/hands on	

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BibTread Next Shop Floor

Descriptio	Audience	
Understanding Shop Floor operations / workflow within Bib Tread Next		Machine Post Operators and New Plant Managers
Objective Competencies Gained		Learning Delivery
Participant can log in to BTN (BIBTREAD NEXT) successfully and navigate the Shop Floor Application to complete their required tasks/responsibilities.	 Understand the structure of the BTN application Understand the importance of using the Application properly (data collection) Understand how a Customer Cam Spec affects their Casing Understand the Casing reject process 	 Location: Fountain Inn, SC Train the Trainer + job aids 1 Day Min Class Size: 4 Max Class Size: 8

Outcomes

- Participant understands how to access their individual Shop Floor accounts
- Knows how to start up and shut down the Post Thin Client
- Knows how to utilize the Log Me In remote program when BTN support is provided
- Knows how to access the correct Post from the Home screen
- Can use the Application efficiently in the execution of their post responsibilities

Measurements

- Observe start-up/shut down of Thin Client
- Observe successful log in and Post selection
- Observe use of and navigation within a given post
- Observe cooperative use of Log Me In rescue to fix an issue with BTN Support

Area	Skill Behavior	Specific Training			
	Basic literacy is a prerequisite.				
Start-up/Shift Start	Log in/Log out – using their credentials	BTN Shop Floor Training Module and hands on			
App utilization	App Navigation – selecting posts Navigation within the selected post	BTN Shop Floor Training Module and hands on			
Post utilization	Data Entry for their posts	BTN Shop Floor Training Module and hands on			
'Log Me In Rescue' App	Cooperative use of Support App	BTN Shop Floor Training Module and hands on			
Shift End/Shut Down	Logging out/shutting down Thin Client	BTN Shop Floor Training Module and hands on			
	Make part of Certification and Audit				

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Retread 101

Descript	Audience	
 PowerPoint provided on LMS platform with MRT overview and differentiators Video provided on LMS platform with MRT overview and differentiators 		Plant Managers
Objective Competencies Gained		Learning Delivery
Detailed explanation of each retread post and what sets MRT apart from the Industry Standard	Differentiators between the MRT process and our competitors	Location: MRT LMSPowerPoint/Video

Outcomes

- Understanding of process differentiators
- Understanding of equipment upgrades and improvements

Measurements

Ability to present this knowledge while providing shop tours

Area	Skill Behavior	Specific Training	
		MRT Process Power Point	
		Video	

Owner - mike.widmyer@michelin.com





Costs

Training	Cost per Event			
Post Readiness				E-learning
Post Certification (per Additional Visit)	\$2,000			
Training Blitz 3 trainers (4 full days)	\$5,000			
Training Blitz 5 trainers (4 full days)	\$8,000			
Build a Retread (BAR)	\$150			
New Plant Manager Training				\$2,000
Controlled Flow System			\$7,000	
Cost/Unit Training			E-learning	
Flow Optimization			\$3,000	
Manager Shop Appreciation		\$1,000		
Preventative Maintenance (Pre- Mold)		\$4,200		
Preventative Maintenance (Custom Mold)		\$2,500		
Troubleshooting Level 1		\$1,200		
Troubleshooting Level 2		\$900		
BibTread Next 101				\$500
BibTread Next Shop Floor				\$500
Retread 101				E-learning

^{*}Yellow highlight indicates cost per person; training taking place at FTN.

Cancellations received in under 3 weeks of scheduled training will be charged a 10% fee.

CHART

