

Fourdrinier Inspection Much Faster and More Efficient with New Laser Tracker Technology

Presented by:

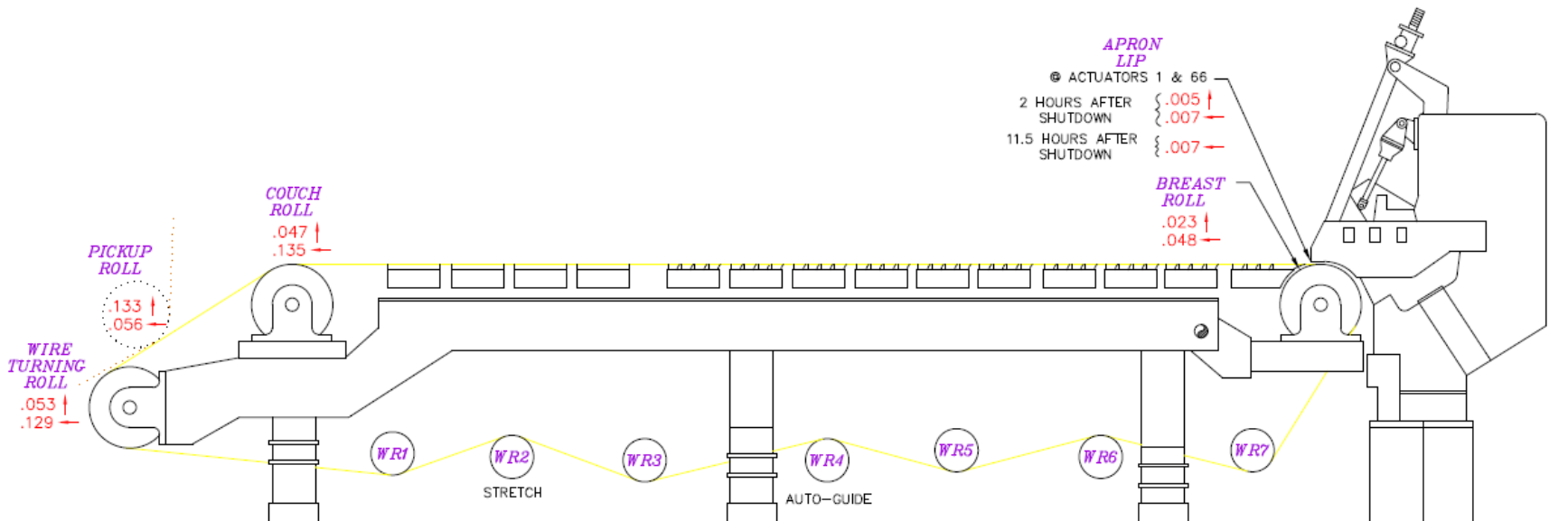
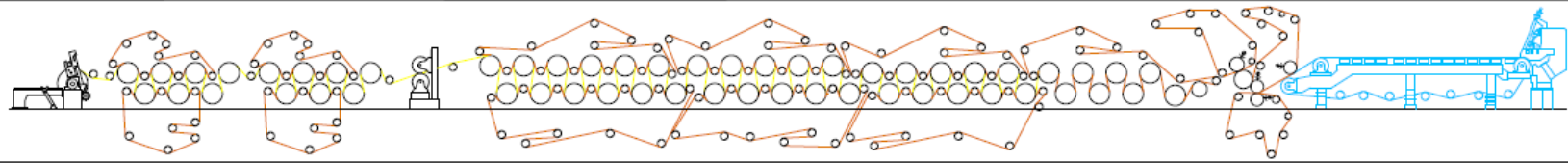
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PaperCon 2017



Overview

- Introduction
- Alignment Concerns – Papermachine Wire Section
- Fourdrinier alignment
 - Wire Section
 - Table Elements
- Optical Alignment Methodology
- Laser Tracker Alignment Methodology
- Benefits to paper makers





TITLE		FOURDRINIER	
MACHINE		NO. 1 PAPER MACHINE	
DRAWN FOR			
PILGRIM PAPER COMPANY		ROCHESTER, NEW HAMPSHIRE	
JOB DATE	02/21/14	SKETCH	20100-1
REVISION	00	OASIS Alignment Services, LLC	

NOTES: (1) NO SCALE INTENDED.
 (2) UNLESS OTHERWISE NOTED, DATA INDICATES THE LOCATION OF THE TENDING END OF EACH COMPONENT RELATIVE TO THE DRIVE END WHICH IS CONSIDERED THE DATUM.

(3) DATA IN RED INDICATES THE ALIGNMENT OF COMPONENTS AS INITIALLY INSPECTED.
 (4) COMPONENT NUMBERING SYSTEM ACQUIRED FROM MILL SUPPLIED PRINTS.

Fourdrinier Alignment

- Traditional methods
 - Optical alignment
 - Requires established line of sight
 - Removal of components
 - Dandy rolls
 - Deckle boards
 - Typically two or more alignment technicians



New Technology

Leica AT960 Laser Tracker with T-Probe



New Technology

- Fourdrinier inspections
 - Laser tracker paired with T-Probe
 - What is a T-Probe?
 - Measure hidden points
 - Measure hard to reach places
 - Minimal set-up times



T-Probe eliminates the removal of components prior to inspection!

Benefits of New Technology



- Fourdrinier inspections
 - Setting up common plane for table is much faster and more efficient
 - Fast geometric inspection from apron lip to foil boxes
 - Can be expanded to complete wire section inspection

Fast and efficient inspections =
less costly downtime!



Benefits of New Technology



- Fourdrinier inspections
 - Ability to see the digital readout
 - Track alignment adjustments in real-time
 - Removes “thumbs up” or “thumbs down” approach
 - Significantly less time to inspect
 - Can fit shorter downtime windows



Papermachine Applications

- Forming Zone Inspection
- Press Geometry
- Dryer Surveys
- Calendar Inspections
- Reel Inspections
- Winder Inspections





Questions?

Thank you for attending!



www.oasisalignment.com

Booth 930

