TECO Technical Solution #5

On-line Freeness Measurement is Utilized for Stock Blending Control

Problem / Issue: Multiple Furnish Sources, such as Hardwood, Softwood, and Recycle make it Difficult to Maintain Optimal Fiber Quality and Fiber Cost Parameters without Adversely Effecting Final Product Quality.

TECO Solution: Drainac™ On-line Freeness Transmitter.

Overview:

In today's papermaking environment, multiple furnish sources are commonly used.

Hardwood, softwood, and most importantly recycle fiber are used to minimize final product costs, while at the same time, maximize final product quality. Trying to consistently produce high final sheet quality standards, while battling constant furnish variations is the daily dilemma the papermakers of today must face.

How the TECO Solution Solves The Problem…

The TECO Drainac™ on-line freeness analyzer gives today's papermaker a tool to constantly monitor freeness levels of each in-coming furnish supply, effectively indicating the in-coming furnish quality prior to blending. This allows the papermaker the ability to make real-time decisions towards maximizing his final product quality and minimizing his overall furnish costs through effective blending his furnish sources based on their real-time quality levels.

Utilizing the Drainac™ in this manner, the papermaker can substitute lower cost furnish for expensive furnishes, while at the same time, maintain the final sheet quality standards. This ability also allows the papermaker the capability to proactively reduce off-quality rejects due to sub-standard furnish levels and increase his productivity.

Benefits

Higher Productivity – by minimizing off-quality rejects due to sub-standard furnish
Lower Production Costs – by maximizing lower cost furnish levels
Improved Runnability – through consistent stock blending
Improved Quality – by decreasing furnish variability through stock blending

Who is it Important to ?

Stock Prep Superintendent
Paper Machine Superintendent
Process Control Engineer
Maintenance Manager
Instrument Superintendent

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