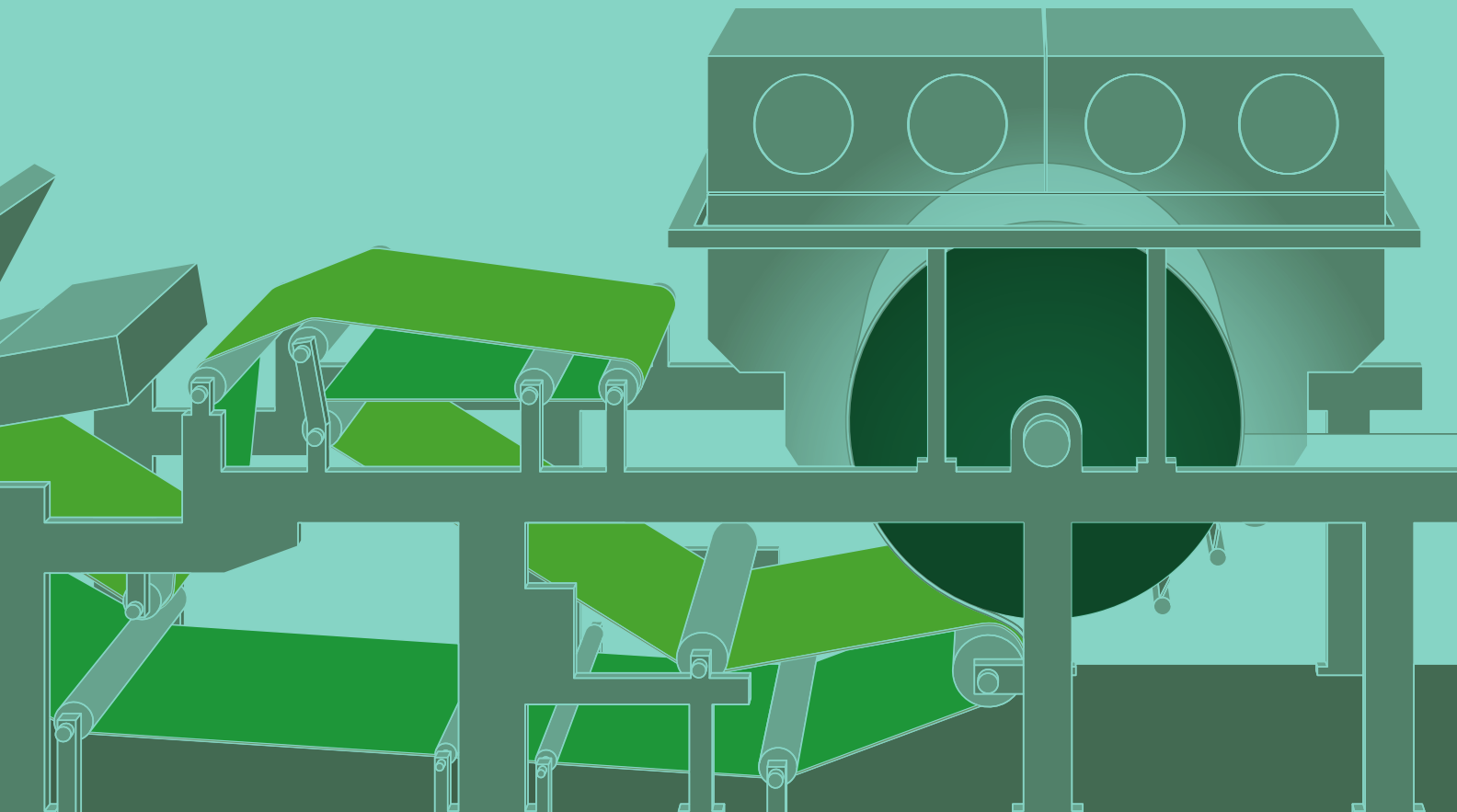


GET VITAL NATURAL COATING DATA IN REAL TIME

BuckmanTM
Chemistry, connected.



Improve your Yankee coating management

With new **Online Natural Coating measurement and monitoring**
from Buckman



The wet end of your tissue machine is having an impact on your Yankee coating. All those soluble and colloidal substances that end up precipitating on your dryer are what is referred to as natural coating, and it varies constantly. If your operators could get real time online natural coating (ONC) measurements, they could make proactive coating adjustments that can significantly improve runnability, reduce rejects, improve quality and save blade life. Buckman OnSite[®] smart technology can now provide real time natural coating levels to you, circumventing the need to spend hours getting each data point via manually testing for it in the lab.

TISSUE TECHNOLOGIES

Protect productivity and equipment like never before.

ONC measurement and monitoring gives you all the data you need, when and where you need it.

It's fast. Buckman OnSite® ONC capabilities can provide natural coating data points every second, if you wish, which gives you and your Buckman representative the ability to proactively troubleshoot with a considerable amount of baseline data.

It's comprehensive. By accurately measuring online natural coating, ONC data helps you to:

- Identify how changes in fiber quality or type are affecting your Yankee coating.
- Track the impact of refining on natural coating levels.
- See, and eventually predict, the impact of any wet end chemical additions like wet strength resins, dry strength resins, CMC and much more.

It's easy. Once the baseline control limits are established, proactive alarm warnings will notify the operators or your Buckman representative when coating adjustments may be necessary. The system can send data to either a DCS, a remote computer or smart phone.

It's accurate. After Buckman OnSite ONC is calibrated with manual tests, accuracy within a tenth of a milligram per square meter can be achieved, giving you all the accuracy you need to determine proper coating and release feed rates for the Yankee dryer.

It's automated. The skid is equipped with an automated flush valve, alarms that can report problems, and an intuitive interface that allows users to easily trigger flushes or reset alarms. When Buckman OnSite ONC detects that the paper machine is down, it will turn itself off but leave water in the line so the pH probe doesn't dry out. When

the machine comes back up, the skid will go through a flush cycle and begin calculating natural coating without human intervention.

Ask for a free trial. Although ongoing ONC measurement and monitoring requires the installation of proprietary hardware, we can run a trial using a portable smart box. That way, you can see the value of our ONC technology before committing to a permanent installation.

To get your trial started or to learn more about how Buckman OnSite ONC measurement and monitoring can revolutionize your Yankee coating management, call your Buckman representative or visit **buckman.com**.

FREQUENTLY ASKED QUESTIONS:

Is a shutdown required to install ONC capabilities? No.

What is the installation time required?

Once the mill has hooked up flush water, power, DCS connections, and process air, one full day of work is required to calibrate the instruments and begin gathering data. There is some pre-work to do that involves manual sampling.

Are there people dedicated to the long-term accuracy and reliability of the skid?

Yes. Sales reps will routinely check on the unit, and dedicated support is available from Buckman if required. The skid can also be remotely accessed, if allowed by the mill.

Does Buckman OnSite ONC take control?

No. We can send alarms that the feed rates are outside of recommended limits, but due to some of the unmeasurable factors that determine proper coating feed rates, the ONC system only advises for now.

This is not an offer for sale. The product shown in this literature may not be available for sale and/or available in all geographies where Buckman is represented. The claims made may not have been approved for use in all countries. Buckman assumes no obligation or liability for the information. Please contact your Buckman sales representative for more information.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. A1082H (05/18)

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