

How can your mill improve productivity to meet increased demand for fiber-based packaging?



The Challenge:

Improving productivity to meet the increased demand for fiber-based packaging

Many solutions to increase strength can impact speed and efficiency. Increasing refining, adding more starch at the size press or adding more weight will slow your machine speed. Also, using too much strength additive in the wet end will cause instability, causing more breaks and excess foam.

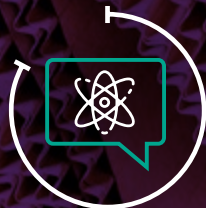
Most recycled fiber mills are not achieving the full strength potential of the fiber before resorting to chemical strength additives.

Even in virgin fiber mills, often there is over cooking and over refining of fibers in an attempt to reach increasing strength requirements.

Mistreating the fiber will result in unnecessary damage, reducing strength potential and negatively impacting drainage which slows the machine.

Besides lower strength and speed, these actions lower yield and increase energy costs.

Approximately **83% of respondents** said they felt it was **“important or extremely important”** that companies design their products to be more environmentally friendly.¹



The Solution:

Be confident in getting the most from your fiber without unnecessary damage and cost.

Papermakers place a lot of demands on their fiber, including higher energy pulping to increase throughput, refining to generate bonding sites and chemical additives to increase bonding strength.

Conditioning fiber with Maximize® gives you a fiber with increased reactive sites that will more readily accept the demands you put on it while minimizing damage.

When you partner with Buckman, you'll get the most from your fiber by realizing the benefits of Maximize enzymatic technology along with our industry expertise and more than 25 years of experience developing enzymatic products for the pulp and paper industry. Our state of the art technology includes Fiberlytics™, which ensures the right product is used for your fiber type.



Maximize protects your fiber from damage caused by process conditions.

Improve process yield and fiber strength.

Focus on your fiber so it responds better to the chemistry and processes that you use. Choose Maximize® for strength and drainage improvement.

With Buckman, you'll **reduce your dependence on strength products by 20-30%, reduce the need for defoamer and reduce breaks by up to 60%**, while reducing system complexity and cost.

You'll be able to:



Improve drainage
and fiber strength



Decrease process instability
and increase yield



Avoid overspending
on process chemistries

1. Most Consumers Want Sustainable Products and Packaging, Andrew Martins, Business News Daily, June 4, 2019

© 2020 Buckman Laboratories International, Inc. All rights reserved.

Interested in learning more?
Then visit us online to get started.