

PRODUCTION  
TARGETS

TARGET  
MARKETS

HIT ALL YOUR  
TARGETS WITH  
PRECISION.®

## Apply Buckman's Precision<sup>®</sup> chemistries for recycled packaging.

Whether you have your sights set on improved product quality, productivity or profitability, the Precision<sup>®</sup> line of advanced chemistries from Buckman can put your packaging mill right on target. It's a comprehensive system of advanced technologies that work together to help you overcome your toughest challenges. So, you can enhance product, streamline operations, save energy, improve your environmental footprint, and hit your targets where it counts the most—the bottom line.

## Precision® It's how great packaging is made.

For your packaging mill, efficiency, cost savings, safety, and performance require a high level of care, both in your processes and in the technologies you use. From more effective strength and drainage aids to micropolymer/nanopolymer products that improve microfloc formation and retention, Buckman provides the precision you need to succeed.

### Strengthen your packaging.

- Improve fiber strength and bonded properties
- Increase board strength
- Improve formation
- Optimize grammage
- Use a lower cost fiber

### Power your production.

- Improve drainage
- Improve first pass retention
- Increase press section dewatering and sheet consolidation
- Reduce wet end deposition
- Eliminate machine section drive limitations
- Maintain performance in high conductivity systems where traditional charged chemistries struggle
- Increase speed, production and yield

### Protect the environment.

- Reduce fresh water usage
- Reduce effluent total suspended solids
- Reduce effluent BOD/COD
- Reduce refiner loading and electricity use
- FDA and BfR allowed for food contact grades



## Reducing cost, increasing production.

**The Challenge:** A packaging mill using 100% OCC furnish was looking for more efficiency to reduce cost and improve productivity.

**The Solution:** Buckman customized a pump-and-go Precision® program that improved first pass retention for all grades, reduced ASA by 10-15% and reduced strength additive use by 20%.

**Return on Investment:** The mill saved an average of \$2.80 per ton.



## Gaining rock-solid improvements.



**The Challenge:** A mill making gypsum facing and backing wanted to increase production, reduce steam demand and improve formation.

**The Solution:** Buckman replaced the mill's strength additive with Precision® technology that enabled the mill to achieve its goals, increasing liner footage, decreasing basis weight, reducing steam demand and improving sheet appearance.

**Return on Investment:** \$9350 per day.

## Fewer breaks, higher yield.

**The Challenge:** A mill producing liner board was experiencing 5-8 breaks per month, resulting in 2 hours of lost production time.

**The Solution:** Buckman applied a Precision® drainage aid, which increased first pass retention 3.3%, reduced starch use and significantly reduced breaks.

**Return on Investment:** The mill experienced 6-7 fewer breaks per month, saving 1.75 hours of time and adding 8 MT of production.



## Get all the support you need.

With advanced technologies, a commitment to customer service, deep application expertise, remote monitoring capabilities, and more, Buckman isn't just chemistry. It's chemistry connected. Connect with your Buckman representative or visit [buckman.com](http://buckman.com) to learn more.



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**Argentina** +54 11 4701-6415; **Australia** +61 (2) 6923 5888; **Belgium** +32 9 257 92 11; **Brasil** +55 (19) 3864-5000; **Chile** +56-2) 2946-1000; **China** +86-21) 4921-0188; **India** +91) 44-2648 0220  
**Indonesia** +(62) 21-2988 8288; **Japan** +(81) 3 6202 1515; **Korea** +(82) 31-416 8991; **Mexico** +52 (777) 329 3740; **Singapore** +(65) 6891 9200; **South Africa** +27 (31) 736 8800; **United States** +1 (901) 278-0330

Global Headquarters at 1256 N. McLean Blvd., Memphis, TN 38108, USA

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