

**RECYCLED  
FIBER**



**PRODUCE  
HIGH-  
QUALITY  
RECYCLED  
FIBER**

at a lower total cost.



**Make Buckman  
your first resource  
for secondary  
fiber processing.**

**The best recycled fiber  
doesn't come from  
old recycled ideas.**

You need fresh thinking.

And a customized approach.

As recycled fiber has become increasingly important in the global shift toward sustainability,

Buckman has worked to find ways to make processing it more efficient—to remove inks more effectively, make fiber brighter, reduce waste, and raise productivity throughout the mill.

Buckman recycled fiber programs can significantly enhance profitability and return on investment through:

- Fiber mix optimization
- Improved yield
- Enhanced fiber performance in the papermaking operation
- Lower energy and water consumption per ton of fiber recovered

In short, we provide the innovative products, application technologies, and on-site services to help you make the highest quality pulp at the lowest possible cost.

Get the most from every fiber.  
Make the most of every minute.

One thing you can't recycle is time. Buckman helps you make the most of it, providing the technology and chemistries you need to reduce downtime and streamline production. Our technicians are committed to making measurable improvements that will save money for your mill year after year.



### Case history

A tissue mill which manufactured 1,165 tons of paper per day from MOW, ONP, and converted broke, was experiencing excessive and costly downtime due to stickies build-up on wires. In addition, the finished product was frequently downgraded due to low brightness.

Buckman improved contaminant removal, ink separation, and water clarification. The result was an 85% reduction in downtime, a 1 to 3 point brightness gain, additional ash and ink removal, and the ability to use a cheaper furnish.

The savings? \$2,000,000 annually.

**Look to Buckman for improvements in these key areas:**

**Repulping**

Buckman applies repulping aids and surfactants to help you:

- Increase throughput and yield
- Reduce pulping time
- Improve contaminant removal
- Produce cleaner pulp
- Reduce energy use per ton

**Screening**

Buckman's exclusive Optimize<sup>®</sup> enzyme technologies provide superior stickies control, breaking down and modifying contaminants so screening is more efficient. We can help reduce downtime, decrease cleaning chemical costs, and increase clothing life.

**Flotation and washing**

Rely on Buckman for advanced surfactant technology to improve deinking and minimize fiber loss with the lowest fiber affinity on the market. You get:

- Reduced ionic loading to the machines
- Improved fiber performance on the machines
- Improved chemistry performance
- Lower volume of fiber going to landfills

**Brightening**

Buckman metals management chemistries increase the efficiency of bleaching agents. So you can



reduce your commodity chemicals costs or achieve a higher brightness for the same cost. We can also help reduce strong oxidants such as peroxide in the system.

**Water clarification**

Buckman is one of the world's leading water treatment providers. Our complete portfolio of products can achieve superior results for:

- Contaminant removal
- Solids removal
- Sludge dewatering
- Foam control

**Other applications**

Buckman provides all the products and expertise you need for:

- Preservation
- Defoaming
- Scale control
- Process equipment cleaning

We feature environmentally friendly, low-VOC cleaning products.

**Learn more**

Ready to advance your recycled fiber program? Let Buckman show you the way. Contact your local Buckman representative, or visit us at [buckman.com](http://buckman.com).

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