

# SCALE CONTROL



**Watch the savings build up,  
not the scale.**

**Minimize scale in your pulp mill with Scale Control Technologies from Buckman.**

Scale builds up in your equipment and tears down your mill's efficiency, wasting energy, causing corrosion, increasing downtime and slowing down your pulp production. That's why Buckman offers advanced programs that can keep pulp mill equipment clean longer and extend your run cycles. With our exclusive technologies, savings build up, not the scale.

## When your equipment runs cleaner, your mill performs better.

### Keep the digester, evaporator and bleach plant clean

Buckman Scale Control Technologies are both highly effective at controlling scale and efficient enough to prove you with good return on investment. Apply to your digester, green liquor piping, evaporator and bleach plant and you can:

- reduce downtime and extend the time between significant outages
- minimize maintenance and cleaning and their related costs and safety exposures
- lower energy costs
- speed up production
- reduce corrosion
- extend equipment life

In addition, you can rely on Buckman's technical and application support to help you maximize the benefits. We'll work together with you to lower your total operating cost.

### Runnability is the key to profitability

Here are some case studies that demonstrate how the outstanding performance of Buckman Scale Control leads to outstanding runnability and the level of operational efficiency that can give your mill a competitive edge.

#### Positive ROI

A pulp mill making 1300 TPD of hardwood Kraft pulp wanted better scale control in its digester. Buckman began a Busperse<sup>®</sup> program, with applications at the inlet to the digester and at the chip chute pump discharge. The treatment proved to be less expensive than the previous regime, and it kept the digester running at peak performance for longer periods of time. The result? A significant return on investment the mill can reap year after year.

#### Less downtime

Runnability issues spurred a softwood Kraft pulp mill to ask Buckman for help. We began a Busperse program with application at the inlet to the digester and at the impregnation vessel feed. As a result, the mill can now run its digester a full annual cycle (12–13 months) and the liquor heater for 6–8 months without encountering problems due to scaling.

#### Double the benefits

A mill with dual hydraulic continuous digesters (one hardwood and one softwood) had to shut down and clean liquor heaters monthly. Buckman applied Busperse to both. The results were striking. Both digesters ran uninterrupted for a year.

#### Learn more

Don't let scale deposits continue to undermine your pulp production. Contact your Buckman representative, or visit [buckman.com](http://buckman.com) for more information about our comprehensive Scale Control Technologies.



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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 6921-0188; 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