

Timber Bamboo Fiber

A Rapidly Renewable Pulp Option



booshoot
TECHNOLOGY



Growing Innovation.™

Sun Valley, IDAHO
www.booshoottechnology.com



Jackie Heinricher, Founder/CEO

Bamboo Fiber — A Real Option

Bamboo is the fastest growing plant on the planet and is a genuine alternative to wood. However, bamboo produces seed only once a century and it has been notoriously hard to propagate in large numbers in the U.S. until now...

... enter Booshoot.

About Booshoot

Booshoot is a biotech company located in Mount Vernon, Washington. Through years of R&D, Booshoot has invented a proprietary method for rapid propagation of bamboo on an unprecedented scale. This breakthrough paves the way for large-scale bamboo plantations, creating uniform feedstock at low establishment cost.

Lower Input Costs

Fiber made from *Phyllostachys edulis* or 'Moso' bamboo can provide your company the market advantage to produce feedstocks at lower costs thanks to high land-use productivity. 'Moso' bamboo is among the world's fastest growing plants, giving you 5X more biomass per acre than trees. Once established, the bamboo can be harvested every 3-5 years!. Properly managed plantations do not require replanting, which means low input costs that improve your bottom line.

¹Depending on region, soil conditions and other environmental factors.

No Additional Capital Costs

Operations-friendly bamboo fiber responds to your existing pulping processes. The plants produce large boles of similar dimensions to timber, allowing you to use your current timber harvesting and chipping equipment. The material pulps and bleaches similarly to hardwood, for high throughput and low operating costs.



Kraft Cooking Conditions

Effective Alkali	16–18%
Sulfidity	25–30%
H-Factor	1000–1200
T max	165°
Liquor-biomass	4–5
Kappa #	20–25
Screened yield	42–44%

Typical Hardwood Bleaching

Brightness	85–88
CED viscosity	>20 cP

Environmentally Friendly

Bamboo fiber improves your product's environmental performance through 4X higher carbon sequestration, as well as low establishment use of water and fertilizers, and no herbicides or insecticides. Additionally, bamboo's environmental performance is easily identified by consumers, assisting with the messaging of your product.

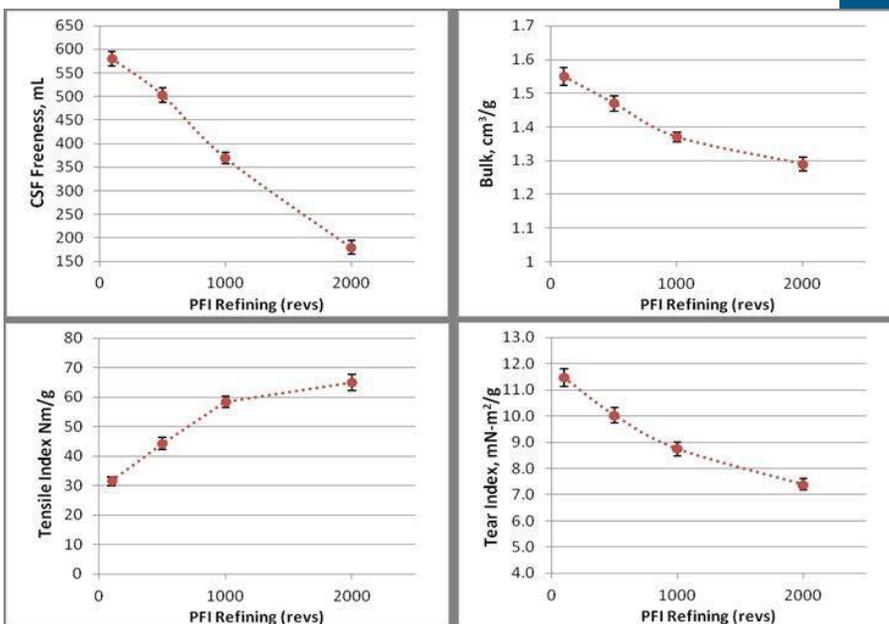


Superior Fiber Performance

Bamboo provides strong, high-brightness fibers suitable for many furnish blends, with the same kraft pulping and bleaching sequences typically used for hardwoods.

Fiber Morphology

Coarseness	11–12 mg/100 m
LWA fiber length	1.1–1.3 mm
LWA fines	20–30%



Improved Sustainability

Bamboo fiber will look good to your stakeholders, community and customers. Being tree-free and resource efficient improves the ecological footprint of your product in a manner that consumers already understand and appreciate.

Customer Friendly

Bamboo fiber provides unique strength properties that will improve your product quality, create happy customers and improve brand loyalty.

We're planting your future.™

