

MFC Production Equipment

What is MFC?

Microfibrillated Cellulose (MFC) is formed when cellulose fibres are mechanically broken down to expose and liberate fibrils and microfibrils.

Compared to cellulose, MFC has a much higher surface area and aspect ratio, which greatly increases bonding and network forming capability.

It can be used in a variety of applications to strengthen materials, act as a viscosifier or as a surface coating.

FiberLean Grinding Technology

The FiberLean process uses Wet Stirred Media Grinders to produce MFC. The grinder is filled with ceramic grinding media beads. When the fibre suspension is added to the grinder, the impeller accelerates the grinding media, which collide with each other and fibrillate the fibres caught between them.

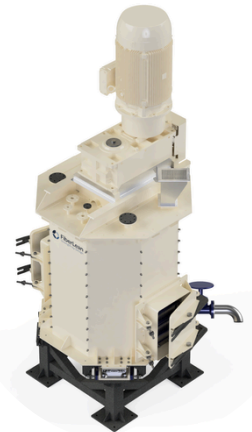
- ✓ **Energy efficient and cost effective production of MFC**
- ✓ **Proven technology derived from minerals processing industry**
- ✓ **Capable of processing all chemical pulps**

FiberLean Grinders

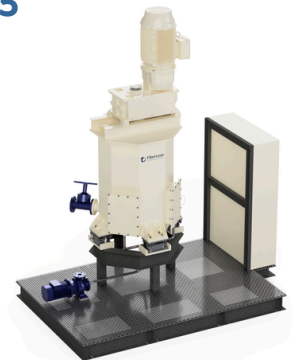
G250



G175



G125





FiberLean

Strength by Design



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