

# SterlingOSB Zero Continuous line production

## 1. Wood Yard Storage



Timber logs collated.  
1300 tonnes /day green timber (already de-branched and cut to size).



## 2. Debarker

Strips bark from green timber.  
Bark is used as fuel for dryer and press heat, or horticultural.



## 5. Cyclones

Separates steam and strands.  
Gases are recirculated for energy recovery before controlled emission.



## 4. Rotary Drum Dryer

Reduces the moisture content to <4%.  
Burners are fueled with 100% Biomass and production process residue.



## 3. Ring Strander

Shreds the wood chips into strands.  
48 knives rotating at 400rpm are accurate to 0.8mm.



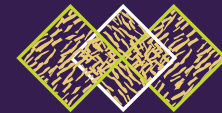
## 6. Screening

Separates material by size.  
Strands are separated for use in the core and surface layers.



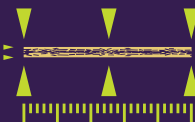
## 7. Blenders

Coat the strands with a mix of wax and resins.  
The core and surface strands are prepared separately for the forming line.



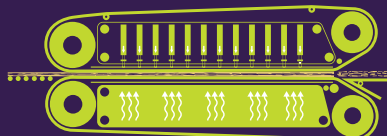
## 8. Forming Line

Arranges 3 layers at 90° to each other.  
The cross oriented strands give the board its name and strength.



## 11. Online Quality Control

Checks, marks and trims the board.  
All approved panels are dated and certification stamped.



## 10. Continuous Press System

Heats and compresses the strands together.  
Accurate, constant pressure and temperature produces high quality board efficiently.



## 9. Metal Detector

Removes any ferrous material.  
The mat is rejected if non-ferrous material is detected.



## 12. Star Cooler

Allows the panels to cool.  
Panels must be fully cooled before finishing.



## 13. Finishing Lines

Panels are cut to desired sizes.  
Tongue and groove edges and special finishes applied.

## 14. Warehousing



Stacks and packs boards for dispatch.  
Customers include distributors, merchants and manufacturers.