

# COMMITMENTS

toward the environment



## 100% REPURPOSING OF RAW MATERIAL LOSS

Material loss is an integral part of the manufacturing process of barrels. Green losses from stave production account for 70% and dry losses during barrel cooperage make up 30%. The Vicard Group upgrades 100% of these losses into other products.



## SIGNIFICANT WATER CONSERVATION

The Vicard Group's eco-responsible strategy includes reducing water consumption using innovative strategies:

- Pressure testing using steam instead of water allows conservation of more than 20L of water per barrel produced.
- Molecular toasting of barrels by radiant heat uses 98% less water compared to traditional toasting methods.

## THREE RECYCLING SYSTEMS

### GREEN LUMBER (STAVE MILL)



PULP CHIPS

SAPWOOD, HEARTWOOD



CALORIFIC ENERGY



VICARD FUEL WORKSHOPS

BARK

### DRY WOOD (STAVES)



TOASTING PELLETS

ALL LOSSES



## TO PROGRESS FARTHER

Vicard has implemented a range of sustainably resourced barrels developed to utilize the previously unused parts of traditional cooperage oak.

TO SUMMARIZE

**70%**  
of raw material losses from the log to the barrel reduction

**100 %**  
of these losses are upgraded and used by Vicard

**98 %**  
water conservation achieved with the toast

**20 L**  
quantity of water saved by testing tightness with steam



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