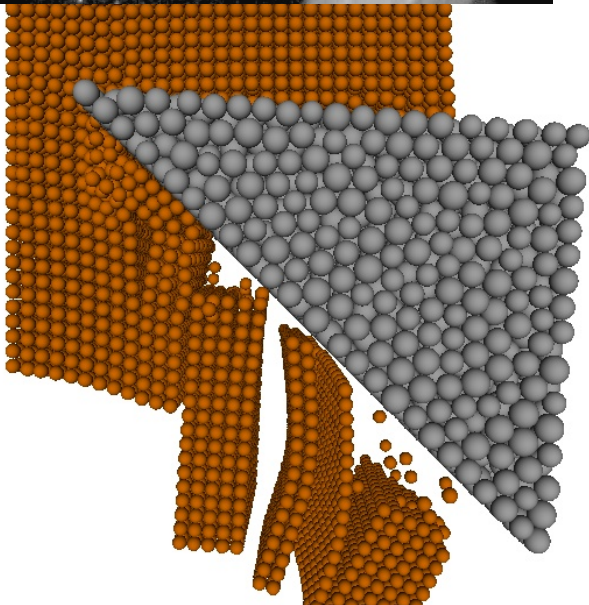


## Topic 1: Control of primary wood processing

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The WMM team has an expertise recognized by the scientific community in primary wood transformation (peeling and milling): optimization and control of cutting parameters.

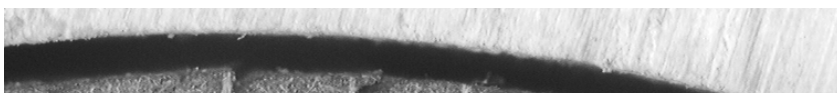
- The main topics of this research domain are: Wood cutting instrumentation and modeling. Several PhDs were performed, devoted to measure and to model the cutting forces for peeling and milling.



*Green wood cutting*

*Green wood Discret Element Modeling*

- Optimization of the cutting conditions and the hydrothermal treatment of wood before the cutting operation
- Characterization of the product quality (veneer, beam), online (as more as possible) and offline.





*Lathe check on a beech veneer (thickness=3mm)*

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