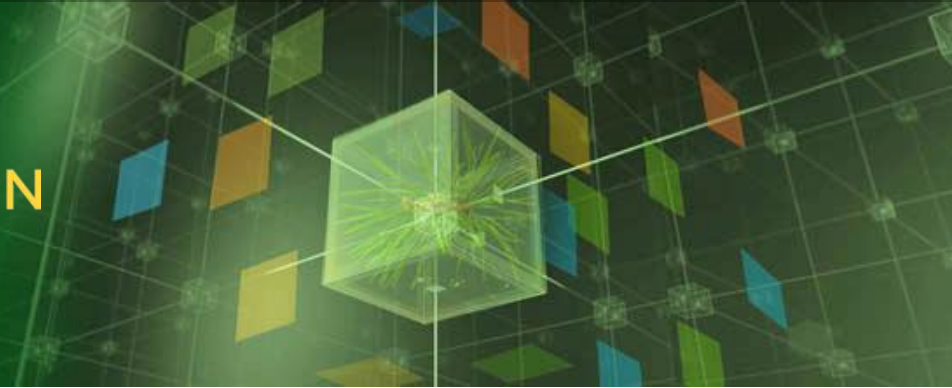




OUR NAME IS INNOVATION



Mechanical Pulping Expertise

Mechanical Pulping Expertise

- FPInnovations have all needed expertise and facilities for:
 - Wood chip characterization (size distribution, basic & bulk density)
 - Wood species quality evaluation
 - TMP process performance audit
 - Energy reduction in mechanical pulping process
 - Refining operation optimization
 - Refining process variability analysis and implementation of advanced refiner control
 - Furnish optimization
 - Optimization of Screening and fractionation processes
 - Process modification evaluation

Pilot Plant Capabilities

Equipment

- Wood debarker and chipper
- Chip screen
- Chip classifier (Domtar & William)
- Pressurized refiner (Andritz 22" single disk)
- Atmospheric refiner (Bauer 36" double disk)
- Conflo low-consistency refiner



Pilot Plant Capabilities

Equipments

- Chip Impregnator (MSD)
- Steaming digester
- Possibility of producing RMP, TMP and CTMP
- Pressure screen (Hooper 2100 PSV)
- Hydrocyclone Fractionation system (Bauer 3" cleaners)



Laboratory Capabilities

- All standard pulp and paper testing facilities
- Fibre morphology measurement (thickness, coarseness, wall thickness, etc.)
- Pulp linting propensity evaluation
- Fibre rising and surface roughening test





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