

Assessing pulp and paper fibre resources

HRL provides industry-leading specialist fibre resource assessment services

Challenge

Owners of wood and non-wood fibre resources, along with pulp and paper manufacturers face numerous challenges. What is the value of a specific fibre resource? Will a proposed source material be the best resource for a particular operation? Which stock in a tree-breeding program will yield the best outcome? Is there value in an available non-wood fibre resource? How effective is a current manufacturing process?

The more resource owners and pulp and paper manufacturers know about the resources and processes they are using – or that they may be planning to use – the greater their ability to maximise the efficiency, and therefore the profitability, of their operations.

Specific factors with an impact on pulp and paper manufacturing include pulp yield, wood density, chemical composition, chemical and physical properties and paper properties.

The assessments to determine such factors require access to sophisticated, expensive and purpose-built equipment; and personnel with specialist skills and expertise.

Solution

HRL Technology provides an extensive range of fibre resource assessment services specifically tailored to meet the needs of clients who own fibre resources or who are involved in manufacturing pulp and paper.

Late in 2010, HRL Technology acquired the specialist testing equipment which was used by the CSIRO to provide fibre resource assessment services to Industry. HRL Technology also secured the services of Christine Hicks, an expert with 14 years' experience, who worked in this area for the CSIRO. The acquisition complements HRL Technology's extensive materials assessment services.



HRL Technology Group provides resource assessment services of wood and non-wood fibres for the pulp and paper industry

The comprehensive range of resource assessment services HRL Technology offers resource owners and the pulp and paper industries includes wood and a range of non-wood fibres. Non-wood fibres that can be assessed include bagasse (sugarcane residue), straw, kenaf and hemp – resources often used in developing countries.

Specific fibre resource assessment services HRL Technology offers include determining:

- basic density
- pulp yield
- chemical and semi-mechanical pulping
- chemical composition
- chemical and physical properties
- paper properties

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HRL Technology's fibre resource assessment services can be used:

- as part of tree-breeding programs
- to determine the value of a timber or other fibre resource
- to determine properties of the resulting pulp or paper
- to maximise process efficiency and therefore profitability
- to provide technical support

Benefits

HRL Technology's fibre resource assessment services include access to advice that is:

- independent
- expert
- accurate
- reliable
- confidential
- fast and responsive
- value-for-money

HRL Technology's fibre resource assessment services assist clients to:

- select the most appropriate resources
- select the most appropriate processes
- make best use of their input resources
- achieve high process efficiency
- maximise their returns
- maximise their profitability

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Need more information?

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The company's NATA Accredited Laboratories number is 561. HRL Technology Group's ISO 9001 Quality Management is certified by BSI under certificate FS605116

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