



MICROWAVE PREHEATING OF WOOD

Uniboard Canada will install and run North America's first microwave preheating process for fiberboard production.

- fiberboard is an engineered building product made out of wood or other plant fibers compressed into boards
- this revolutionary new process uses magnetrons generating microwaves to increase the temperature of the fiber mat before pressing

UTILIZING CANADA'S FORESTS: RESULTS EXPECTED



INNOVATING WITH WOOD

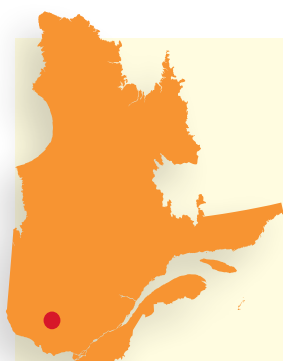
- microwaves are directed into the wood to increase its temperature immediately prior to pressing the fiber mats together
- using microwave technology allows for measurable and uniform heating of the fiber mattress, reduces heating time required for manufacturing fiberboard thereby increasing production speed

POTENTIAL OPPORTUNITIES

ENVIRONMENT: REDUCED ENVIRONMENTAL FOOTPRINT

ECONOMIC: PRODUCTIVITY GAINS DUE TO INCREASE IN PRODUCTION SPEED

MARKET: CAPACITY AND LOWER FIXED COSTS MEAN INCREASED MARKET SHARE



UNIBOARD CANADA IS A LEADER IN THE NORTH AMERICAN ADVANCED WOOD MANUFACTURING SECTOR PRODUCING COMPOSITE AND LAMINATED PANELS AND FLOORING

PROJECT LOCATION: MONT-LAURIER, QUÉBEC

Implementation of this new system will act as a gateway for replication of the new technology at other similar facilities in Canada.

— Yvon Rousseau, Executive Vice-President and Chief Financial Officer Uniboard Canada Inc.

Investments in Forest Industry Transformation Program: In 2010, Natural Resources Canada's Canadian Forest Service created the Investments in Forest Industry Transformation Program (IFIT) to support Canadian companies to develop and grow markets for new and innovative high-value products using Canada's forest resources. *For more information www.nrcan.gc.ca/forests/federal-programs/13139*

Cat. No. Fo4-85/2016E-PDF (Online) ISBN 978-0-660-06984-5

Aussi disponible en français sous le titre : *Préchauffage du bois par micro-ondes*

For information regarding reproduction rights, contact Natural Resources Canada at nrcan.copyrightdroitdauteur.nrcan@canada.ca.

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Natural Resources, 2017



Natural Resources
Canada

Ressources naturelles
Canada

Canada