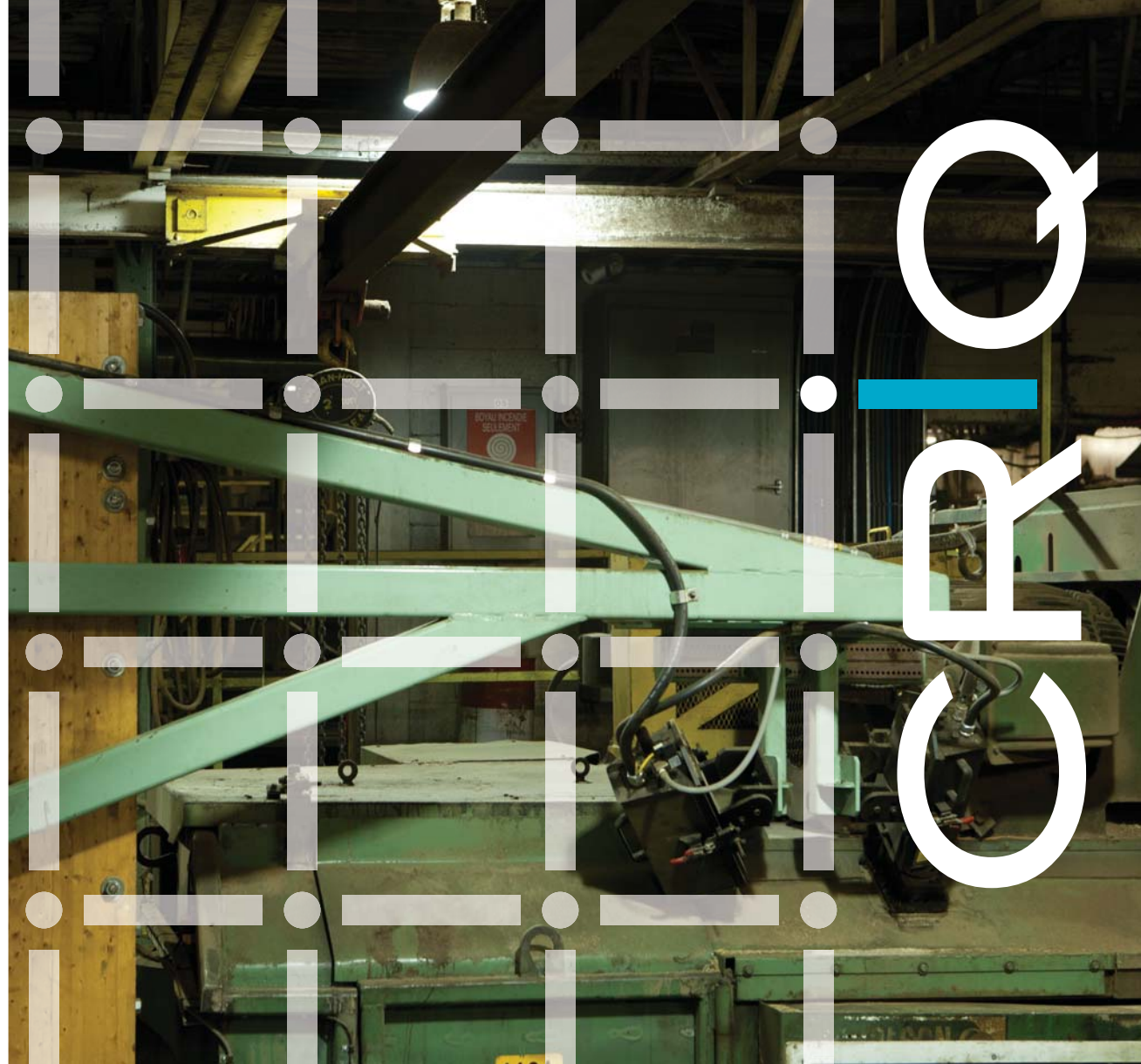


Debarking control and optimization system



Quality control for log bark removal

The system comprises three specific models. The first one analyzes the characteristics of each log. The second determines the optimal blade pressure, feed rate and motor rotation rate for each log. Finally, the third module analyses the results and “learns” with a view to improving its future results.

The bark removal optimization and quality control system makes it possible to:

- Obtain the minimum fiber tear rate for products with enhanced value;
- Control the bark volume in the wood chips;
- Determine optimal values for blade pressure, feed rate and rotor speed;
- Ensure product quality control.

Debarking control and optimization system

Quality control for log bark removal



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TECHNICAL SPECIFICATIONS FOR INPUT PRODUCTS

- Wood varieties: spruce, fir, pine
- Diameters (minimum and maximum): 3 to 22 inches
- Minimum length: 6 feet
- Maximum length: 18 feet
- Minimum log spacing: 1 foot
- Maximum logs per minute: 40

LOG FEED

- The maximum log feed speed in the viewing area is 450 linear feet/min
- Random diameter and length
- The logs move along a belt conveyor
- Logs can be stopped in the viewing area

VIEWING AREA

- Dimensions:
 - Length: approximately 3 feet
 - Width: approximately 3 feet
 - Height: approximately 5 feet
- Positioning: mounted on a belt conveyor at the bark stripper output

For advice and information on the debarking control and optimization system:

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