

CRIQ

Jack Pine Detector

Allows the separation of jack pine from:

- fir
- larch
- spruce

Based on:

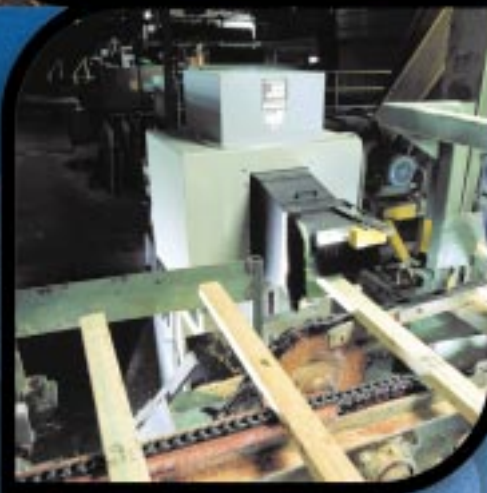
- advanced digital colour technology
- self-learning

Inspection of the ends of the cuts just after sawing

Easy to install

Can be integrated into the company's Ethernet network

95% accuracy in the classification of jack pine



Characteristics

- **Configuration:** Inspection of cross-cut samples on the conveyor immediately after sawing
- **Scanner:** Light source: 10,000 hours
Colour camera
- **Control cabinet:** CEMA-12 Cabinet
Industrial PC with Intel processor @ 450 MHz
128 Mb memory SDRAM
SCSI card and 10/100 Base-T-Ethernet
15-inch colour screen
Keyboard and mouse
- **Operation:** Self-learning, according to the two following groups:
 - Group 1: jack pine
 - Group 2: fir, larch, spruceImage acquisition triggered by a photoelectrical cell or by an automaton at the plant
Calibrated daily
- **Performance:** Group 2 in jack pine: 5% max.
Jack pine in Group 2: 20% max.
Important: System performance depends on good training and the intrinsic "separability" of the species listed.
- **Handling speed:** Up to 150 cross-cuts per minute.
- **Electrical power:** 240 volts @ 60 Hz, 20 amperes
- **Communication interfaces:** 2 serial ports with 120 volts or 24 volt opto-isolator
1 RJ-45 port
1 BNC port
- **Dimensions:** Scanner: 24" x 30" x 24"
(HxWxL)
Control cabinet: 24" x 24" x 60"

As an unsurpassed innovator and expert in manufacturing and environmental technologies, industrial information and standardization, CRIQ offers its clientele highly competitive solutions in numerous industrial sectors.

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