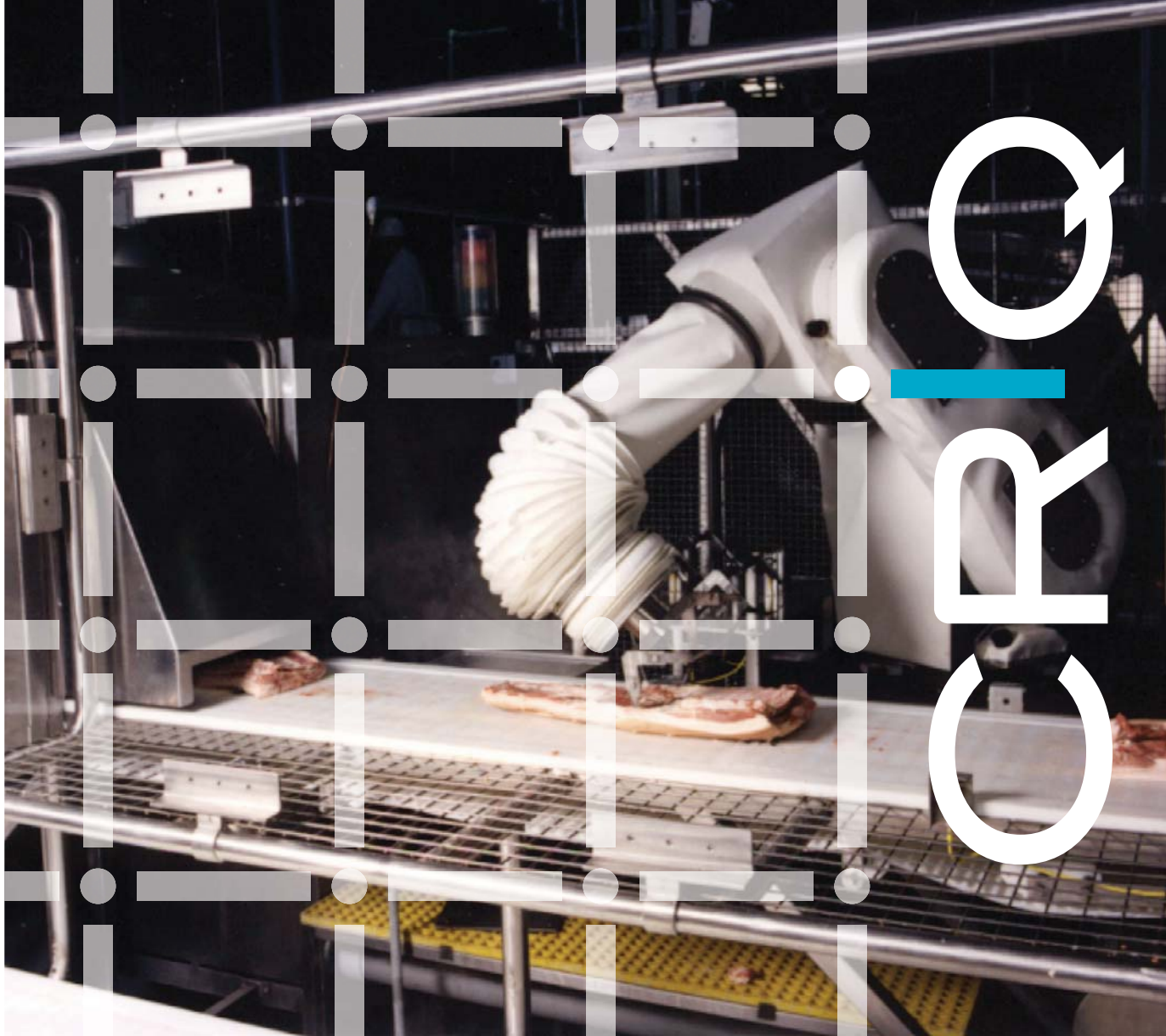


# Robocut



## Pork side cutting robot

FOR ABATTOIRS, THE NEED TO AUTOMATE WORK STATIONS IS MORE PRESSING NOW THAT EVER.

### Cutting room automation:

- Cuts costs associated with high turnover rates and training;
- Reduces occupational health and safety expenses;
- Minimizes contamination risks.

### Robotic cutting sets a new industry standard:

- It ensures set cutting standards for pork ribs and side;
- It optimizes the return on pork ribs and sides;
- It reduces the number of rejected pork sides;
- It virtually eliminates all additional cutting operations;
- It allows for greater flexibility in responding to demand.

**Available at  
G.E. Leblanc inc.**

51, route Morissette, Saint-Anselme, Québec G0R 2N0  
Tel. : 418-885-4493 - [www.sfk.com](http://www.sfk.com)

**CRiQ**  
INNOVATION PARTNER

# Robocut

## Cutting robot for pork sides

### CHARACTERISTICS

Equipped with an industrial vision system, the industrial robot increases abattoir productivity as well as product quality.

The equipment can process **750 whole pork or 1500 sides per hour**.

Average weight is more consistent while the standard variance is clearly lower when ribs are cut using **ROBOCUT**, a robotic cutting method, in comparison with manual operations.

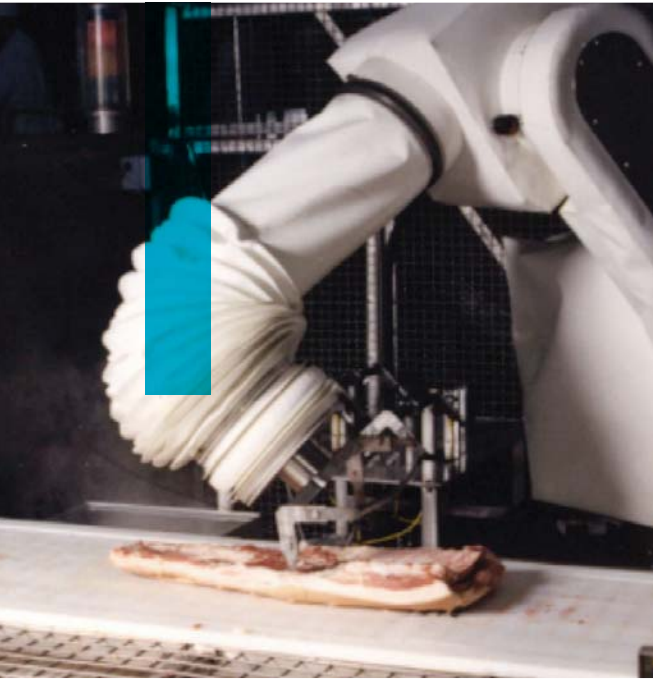
The operator can set a number of parameters using a touch screen, including:

- The average thickness of the meat left on the ribs;
- Tail length;
- Rejection criteria based on thickness, width and length.

Designed for use in a food-based environment, the robotic arm is protected by a sanitary cover that can be washed daily under water pressure of 600 psi.

### COMPONENTS

- A synchronization conveyor feeds the cutting conveyor.
- An artificial vision system acquires and processes images of each side to generate a specially adapted cutting trajectory. This system comprises an industrial PC, a digital camera and a laser.
- The cutting conveyor is equipped with hooks to hold the sides.
- The industrial robot is protected by a sanitary cover.
- The table is equipped with 4 blade holders and 8 blades mounted on either side.
- A turbine pressurizes the robot cover as well as the electrical boxes and conduit.
- An output conveyor separates the ribs from the sides.



CRIQ, 2012/10/15 - © All rights reserved

#### For advice or information on ROBOCUT :

**François Gingras**, director  
Productivity and Industrial Systems  
333, rue Franquet, Québec (Québec) G1P 4C7  
418-659-1550 / 800-667-2386, ext. 2209

**Guy Genest**, Coordinator  
Business Development  
333, rue Franquet, Québec (Québec) G1P 4C7  
418-659-1550 / 800-667-2386, ext. 2879