



## BEEF // ROBOTIC BEEF LOIN DROP

# INCREASE YOUR **YIELD** WITH A MORE ACCURATE CUT

The cattle loin dropping task consists of cutting the sirloin from the round. This cut is very important, as there is a large difference of value between the two parts. This machine automates the cutting operation with a proper carcass stabilization and cut path location.

At the entrance, the half-carcass is positioned on the back conveyor for stabilization. The companion conveyor then takes control of the gambrel to obtain a constant speed and reduce any jerking motions. The half-carcass is moved through the machine and the hindquarter is scanned by our vision system. The software analyzes it to find different parameters (aitch and tail bones position, orientation, right or left, etc.).

The automation system calculates the optimized pattern desired by the customer and sends it to the robot. A band saw, maintained by the robot, is then moved into the hindquarter to cut it in two pieces. The loin falls on the conveyor and goes to the loin line, while the round continues on the main chain.



## Value for you!

- The only automatic machine on the market to cut the hindquarter
- Optimizes the cut regarding customers parameters
- Precise cut of the hindquarter
- Consistent cut over time
- Vision controlled
- Easy set up of the machine parameters with intuitive operator panel
- Robot for fast and reliable machine
- Personalized cutting pattern to maximize yield, whether bone-in and/or boneless

## Technical data

Capacity	800 hindquarters per hour
Dimensions	Length: 7.4m / 24' 3" Width: 3.6m / 11' 8" Height: 3.9m / 12' 11"
Consumption	480V / 3PH / 90AMPS
Air Requirements	Connections: 1/4 NPT Total: 15 SCFM

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