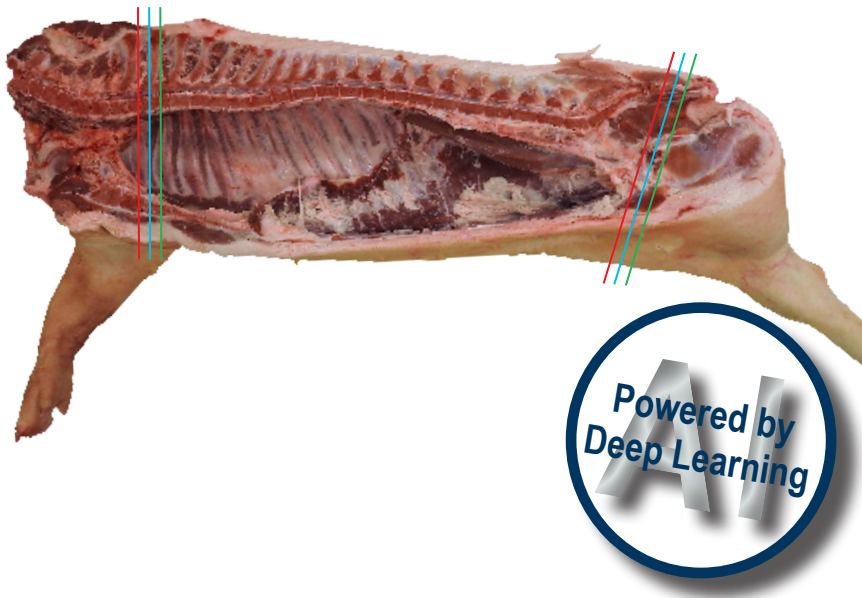




PORK // AUTOMATIC MAIN TABLE

HIGH SPEED AND CONSISTENT QUALITY PRIMAL CUTS

The Frontmatec Automatic Main Table (AMT) is the fastest vision-guided main table in the world with a maximum capacity rated at 1,500 hogs per hour. It produces accurate shoulder and ham cuts, which facilitate every further processing steps while providing extreme customer adjustability to market demands.

Several years of development and the vast experience of Frontmatec are behind this technology which combines hi-tech 3D vision system, artificial intelligence and heavy duty motion band saws. The consistency of the AMT will unlock new opportunities in the production process, especially when used in combination with other Frontmatec equipment such as the Automatic Belly Trimmer and the Automatic Loin Puller.

Hygiene

The AMT is manufactured in stainless steel and food grade components in order to withstand the harsh environment present in the food processing industry.

Safety and legal requirements

The AMT is UL/CSA approved and designed in accordance with the USDA regulations to meet the strictest demand on health and safety.



Value for you!

- Produces consistent primals
- Ability to adjust breaks easily based on market values
- Reduces overcutting of the most profitable products
- Less rework of out of specification products
- Line speed up to 1,500 hogs/hr

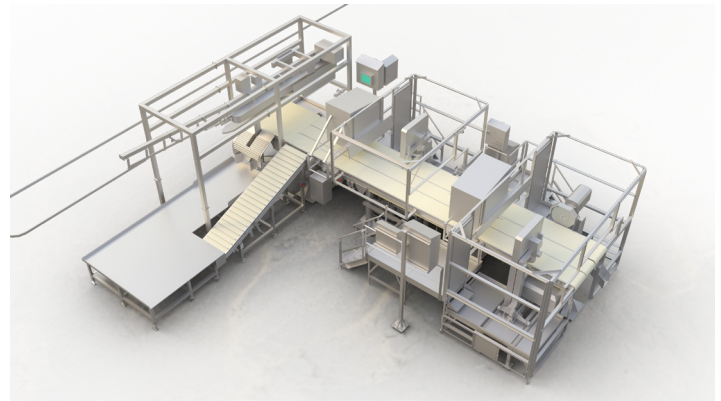


Working Process

1. Hogs are landed on the main conveyor
2. Operator manually pre-aligns the position and angle of the half-carcasses for ham cut off
3. The vision system acquires over 450,000 measurements to create a precise 3D model of the ham section and used to determine location of the aitch bone
4. Software computes the cut location based on the user configurable specifications (based on the aitch bone
5. Operator manually pre-aligns the position and angle of the half-carcasses for shoulder cut off
6. A second vision system will scan the shoulder end of the half-carcasses in order to generate a 3D model of the piece
7. The software determines ribs location inside the thoracic cage to position ideal cut path based on customer requirements which can be relative to a reference point between the 1st and 5th rib
8. PLC controls an electrical linear actuator to move the band saw for accurate shoulder separation

Technical data

Capacity	1500 carcasses/hr or 3000 half carcasses/hr Note: A minimum space of 4" is required between two half carcasses
Dimensions	Length: One Cell 180" Length: Two Cells 360" Width: Vision enclosure 97.3" Safety Guards: 143" With doors open: 7' / 2.12m Height (min/max): 68" / 120"
Consumption	
Automatic system & vision	120V / 1PH / 15AMPS (per system)
Band saw	480V / 3PH / 20 AMPS (per saw)
Electrical motion system	480V / 3PH 20AMPS (per system)



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