

Autoline chine bone saw RPCB14



Flexible setup, optimal result

With the Autoline chine bone saw, high yield and easy deboning at a high capacity is ensured by consistent sawing precision.

Autoline

The Autoline concept ensures uniform processing, accuracy and high-quality products.

With Autoline, continuous operation on the primal cutting and deboning line is maintained, as the Autoline robots are synchronized with the line movement. During transfer of the middles on the robot conveyor, the middles are scanned by the 3D scanner, and specific cutting positions and a specific path is determined. Afterwards, the process is performed in a downward movement.

The Autoline concept is a dynamic concept, as multiple Autoline robots can be fitted along the main conveyor of the primal cutting line, and the line movement of the deboning line.

The Autoline robots are all "plug and play", and can operate in any type of new or existing deboning lines.

Hygiene

To ensure high hygiene levels, as well as easy efficient cleaning, the Autoline chine bone saw is covered in a strong flexible cover with constant pressured air, keeping the vital parts of the robot

clean and safe. Furthermore, the cutting conveyor is equipped with a belt lifting system.

Options

- Noise reduction cabin

Why the Autoline chine bone saw!

- High capacity: 1,200 middles/hour
- High yield due to consistent operation performance
- Saw left and right middles in a mix
- Compact unit, small foot print
- Few parts to maintain
- Easy setup of machine parameters at operator panel
- Possibility of establishing of recipes



Preconditions

- The total system consists of:
- A robot with chine bone saw and hygienic protection cover
- A stand with a 3D camera covered in stainless steel housing
- A cutting conveyor with belt lifting system
- A robot fence with secured entrance
- A control cabinet with robot controller, vision pc, operator panel and contactors

Safety and legal requirements

The Autoline chine bone saw is CE approved and designed in accordance with the EU and USDA regulations to meet the strictest demand on health and safety.

Technical data

Capacity	1,200 middles/hour
Dimensions	
Length	3,700 mm/146"
Width	3,150 mm/124"
Height	2,690 mm/106"
Consumption	
Electrically	3x400V AC; FLA: 56.2A Largest motor: FLA 26A
Air	Pure, dry, and free from oil

Technical data may be subject to changes



The middles have to be aligned and with the loin at the robot side before transfer to the inlet

Advantages with the Autoline concept

- A concept founded on more than 30 years engineering of automated processing
- Homogeneous processing and high quality carcasses
- High hygiene level with automatic flushing of tools after each operation
- Reduction of labor cost with one robot
- Human machine interface for setting and adjusting the robot
- Low maintenance
- Easy and swift to clean and keep clean
- Easy operation and troubleshooting with uniform user-friendly operator panels on the Autoline robots
- The Frontmatec software interfaces with all types of monitoring systems

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