



FTNON

CoreTakt[®] Cabbage



Intelligent robotic decoring technology with
product data management

JBT FTNON has developed an unique automatization solution for the decoring of Cabbage in the fresh produce industry, www.CoreTakt.com. With this robotic decoring line the company operates at the forefront of technology and in line with any new automation developments in the market.

Freshgripper™ Technology

JBT FTNON has developed an own Freshgripper™ technology, which contains the following:

- patented grippers for grasping and manipulation of fresh products in a safe and hygienic way;
- camera and vision technology to recognize the product and understand the spatial surrounding;
- intelligent software for product interpretation and sequential robot guidance



The robot systems of JBT FTNON are controlled and accessible with a machine interface by an operator from a touch screen. The status of the various components in the robot system are monitored remotely by JBT FTNON .

The CoreTakt Cabbage consists of:

- Infeed part, incl. buffer belt, feed conveyor and main infeed belt
- Scanning section
- Robot and decorer
- Outfeed belts and core outlet.

PERFORMANCE

CAPACITY 450 heads/ hour (nominal)

YIELD up to 90%, depending on core size and decoring settings

SPECIFICATIONS

FOOTPRINT 10.6 m² (1.9 x 5.6 m)

INFEED HEIGHT 1,100 mm

OUTFEED HEIGHT 1,270 mm

PRODUCT RANGE Cabbage, Ø 120-300 mm, up to 6,000 g

DECORING KNIVES 4 mm, SS hardened

WEIGHT ± 1,800 kg

ELECTRICITY 3 phase, 16A

AIR PRESSURE 8 bar, 400 l/m normalised air flow

INTERNET CONNECTION 10 M BIT/s



Data management

The JBT FTNON Robotic systems are used to automate repetitive human labour in fresh food applications, in a safe and extremely hygienic way, but generate lots of useful data as well. For example, raw material data like size, colour, shape, defects etc., in order to understand all incoming product and to inform the robot decoring system. Furthermore, process data and machine data are stored and used to predict maintenance, optimize machine effectiveness and product quality.

Hygienic design

The CoreTakt features no hollow structures, but only sheet material. The system is easy to clean and maintain and has minimal cavities. In the cleaning mode, sensitive cameras are protected. All components are built to last and withstand harsh conditions to guarantee a hygienic solution.



JBT FTNON can change the execution if this does not impact the functionality of the equipment. All mentioned sizes, capacities and figures are indicative. No rights may be derived from the information provided.

JBT FTNON delivers tailor-made machines. Therefore capacity and dimensions will depend on your product and specific requirements. All our machines are constructed of stainless steel wherever possible and comply with the stringent, international standards in the field of safety and hygiene.

COUNT ON JBT TO HELP PROTECT YOUR INVESTMENT

JBT's greatest value in PRO-CARE® services comes from preventing unexpected costs through smart, purposeful, and timely maintenance based on unmatched knowledge and expertise. PRO-CARE service packages are offered as a maintenance agreement in various service levels, depending on your production and cost management requirements.



JBT LIQUID FOODS

FRESH PRODUCE TECHNOLOGIES | FRESH-CUT, ROBOTICS, STEAMING | FRUIT AND VEGETABLE PROCESSING | SECONDARY PROCESSING | ASEPTIC SYSTEMS | FILLING AND CLOSING | IN-CONTAINER STERILIZING | TRAY SEALING | HIGH-PRESSURE PROCESSING | POWDER PROCESSING | TUNA PROCESSING

OUR BRANDS



Europe

FTNON Almelo B.V.
Bedrijvenpark Twente 20
7602 KA Almelo - NL
Phone: +31 546 574 222

FTNON Delft B.V.
Rotterdamseweg 402E
2629 HH Delft - NL
Phone: +31 15 744 0150

North America

FTNON USA, Inc.
30 East San Joaquin St #203
Salinas, CA 93901 - USA
Phone: +1 831 274 6007

John Bean Technologies Corporation
400 Fairway Avenue
Lakeland, FL 33801
USA
Phone: +1 863 683 5411
Fax: +1 863 680 3672

JBT Corporation
1660 Iowa Avenue, Suite 100
Riverside, CA 92507 - USA
Phone: +1 951 222 2300
Fax: +1 951 788 1761



Asia Pacific

John Bean Technologies (Shanghai) Co., Ltd.
Room 1908, Hongwell International Plaza,
1600 West Zhongshan Road,
Xuhui District, Shanghai 200235,
PRC
Phone: +86 21 3339 1588
Fax: +86 21 3339 1599

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hello@jbt.com | ftnon.com | jbt.com

