



GEA OPTIROBOT 6000 / GEA OPTIBUFFER

Customers asked for higher effectiveness and we delivered.

GEA's new robot picker solution GEA OptiRobot 6000 meets customer demands for the highest degree of automation combined with super-low labor costs and maximum flexibility. That means higher line effectiveness than ever. The new robot enables differently shaped portions (stacked, shingled, overlapped, etc.) to be loaded into a packaging machine with any kind of laying pattern – all fully automatically. Integrated seamlessly into our line solutions, it can be operated through any GEA SmartControl HMI.

The optional state-of-the-art vision system detects each individual portion before entering the loading area to ensure only

good portions are loaded into the preformed packages. This can substantially reduce costly line stoppages. Last but not least, our state-of-the-art gripper concept features the latest 3D technology plus an outstanding exchange mechanism that delivers the shortest change over time for different products. This significantly reduces downtime.

The revolutionary GEA OptiBuffer is an integrated, dynamic and intelligent buffer system which guarantees higher performance and faster slicer reloading times.

GEA OptiRobot 6000

- High speed and versatility: product portions with different portion shapes (shingled, stacked, turned, overlapped, etc.) are automatically loaded into packaging machine
- Unbeatable integration with other GEA line solutions
- Easy to operate using any GEA SmartControl panel in a line (no extra panel required)
- State-of-the-art gripper technology
- Short changeover times for different products thanks to new gripper exchange mechanism
- Attractive footprint
- Strong construction enables accurate positioning

GEA OptiBuffer

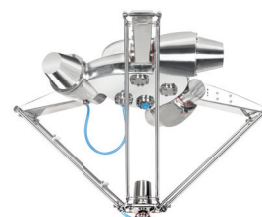
- Integrated, dynamic and intelligent buffer system
- Minimal footprint
- Enables more efficient robot performance which is directly linked to measurable better line effectiveness

Optional GEA RoboVision state-of-the-art vision system

Optimal efficiency because only good portions reach loading area:

- Full HD Camera
- Detection of right portion size
- Detection of portion orientation
- Visualization in GEA SmartControl HMI

OptiRobot Components

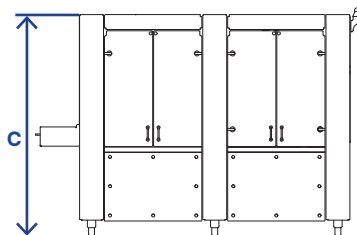
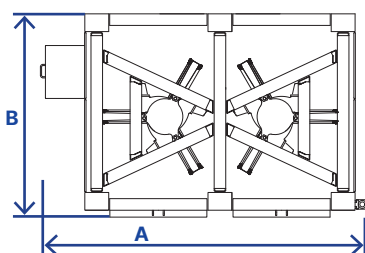


Delta Picker



Gripper

Dimensions



A	B	C
3,307 mm	2,130 mm	2,343 mm



GEA One Line Concept

To maximize productivity and sustainability while minimizing costs the GEA One Line concept creates a single fully automated line in which all components work in perfect harmony – as one. This results in higher capacity per square meter which reduces operating costs while giving sustainability benefits in terms of power consumption. Overall Equipment Efficiency is

increased while making better use of existing floor space. And lines or standalone units can be precisely configured to your individual needs based on a 'toolbox' of available options. Not only easier to operate, a GEA One Line is also easier to maintain thanks to a modular design that shares key elements and spare parts across the different sections of the line.

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