



**BOSCH**

Invented for life



Presto

## Picking, Placing and Packing Robotic Packaging Solutions



# Select your product







# Robotic packaging solutions

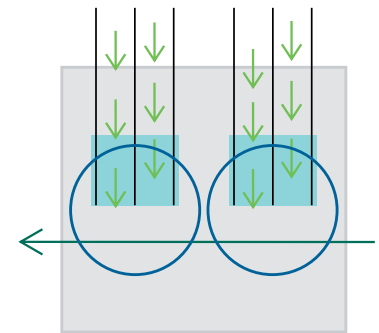
Feed Placing is our term for picking with vision from the product infeed flow and placing into the outfeed flow while dynamically balancing the two flows to optimise efficiency.

**Primary Packaging** — Astor, Delfi and Paloma SQ are our standard machine modules generally used for Primary Packaging — feed placing of unwrapped products.

■ Product Inflow   
 ■ Product Outflow   
 ■ Collation/Loading   
 ■ Carton Blank Inflow   
 ■ Carton Closing

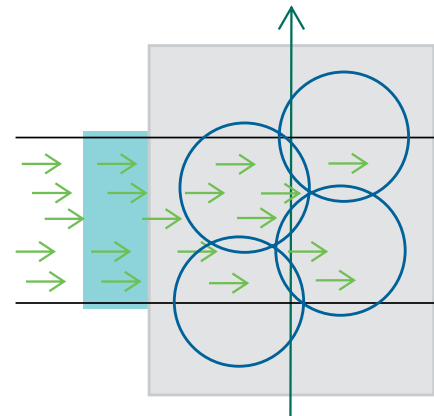
## Astor

- ▶ Up to 250 products/min.
- ▶ Able to pick and place products into assortment-packs with vision-guided high speed Delta robots.



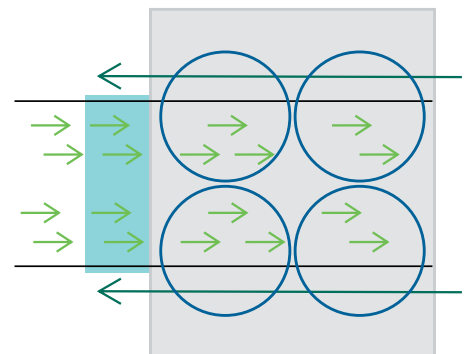
## Delfi

- ▶ Up to 450 products/min.
- ▶ Feed placer, available with 3 or 4 robots, able to pick and place products into flow wrappers, cartoners or thermoformers with vision-guided high speed Delta robots.



## Paloma SQ

- ▶ Up to 450 products/min.
- ▶ Feed placer able to pick and place products into flow wrappers, cartoners or thermoformers with vision-guided high speed Delta robots.

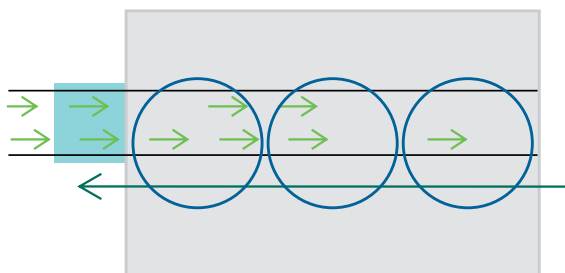


Top Loading is picking, sometimes with vision, from an infeed flow receiving wrapped products from an upstream packaging machine and placing them into a carton or a case travelling on the outfeed flow again while dynamically balancing the two flows.

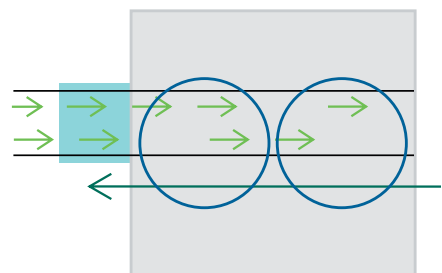
**Secondary Packaging** – Paloma, Presto and Kliklok ITC are our standard machine modules generally used for Secondary Packaging – top loading of wrapped products. Both machines can also be utilized for feed placing – placing wrapped products into a moving outfeed chain (end load cartoner). Various configurations are available to match the line configuration.

### Paloma

- Up to 360 products/min.
- Top loader and feed placer able to pick and place products with vision-guided high speed Delta robots into cartons, cases, thermoforms, flow wrappers and cartoning machines.



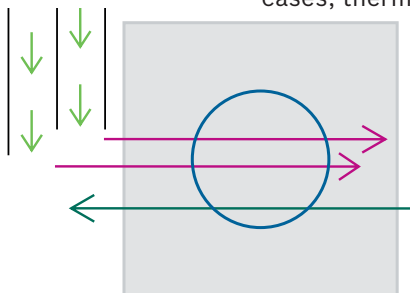
Paloma 3R



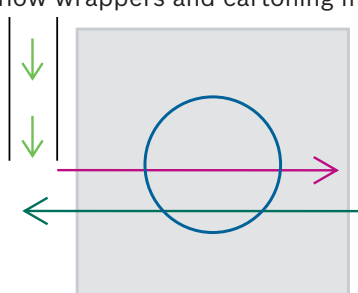
Paloma 2R

### Presto Kliklok ITC

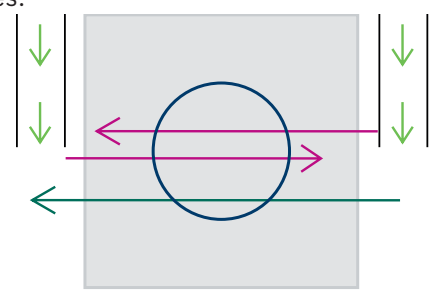
- Up to 550 products/min for single arm solutions. Up to 1100 products/min for 2 arm solutions.
- Top loader and feed placer able to collate products individually and feed them either flat or on edge into a collation chain prior to being picked as a group and top loaded into cartons, cases, thermoforms, flow wrappers and cartoning machines.



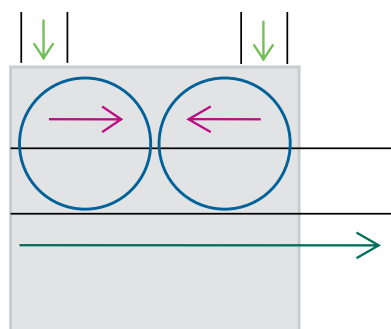
Presto DC



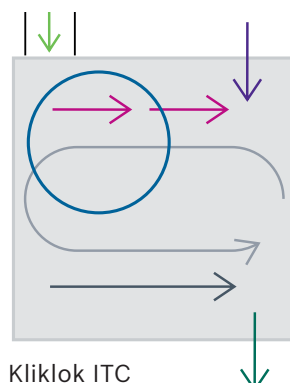
Presto SC



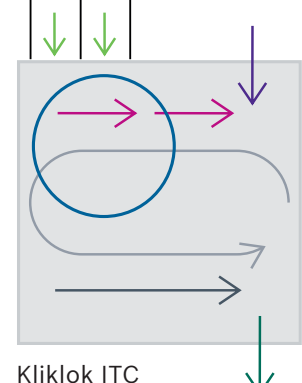
Presto BH



Presto 2R



Kliklok ITC



Kliklok ITC

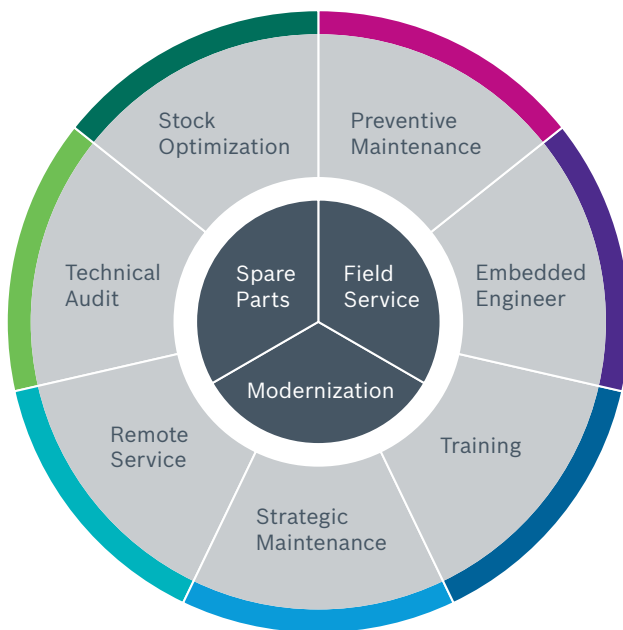


# Automating your line is just the beginning

Manufacturers worldwide recognize that automation is essential to meet the growing demand for diverse products. Bosch as your global partner provides proven solutions tailored to your local requirements to help you reach your manufacturing goals – today and beyond.

Understanding your product and business is core to each successful customer collaboration. With decades of experience in different industries we can offer you the benefits of a global technological innovator backed by unmatched local support.

**Service made for me.  
Reliable. Global. Competent.**



Adapting production is crucial to keep up with market trends. Therefore, our service goes beyond setting up your line to optimize production output.

Bosch Packaging Services develops and provides after sales services for packaging machines, ranging from traditional services (Spare Parts, Field Service and Modernisations) to a broad offer of services, enhancing Overall Equipment Effectiveness (OEE).

Packaging Services concentrates on specific customer requirements. Our approach is to offer transparency, reliability, realistic planning and continuity, on this foundation we look to build long term trusting customer partnerships.

With our modernization concepts and tools such as our E-Portal, customers can choose between various efficiency-enhancing offers, all designed for a single purpose: to ensure trouble-free operation of machines, achieving the highest possible output.



## **Bosch Packaging Technology**

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