



cama news

PET FOOD

RECYCLED PAPER



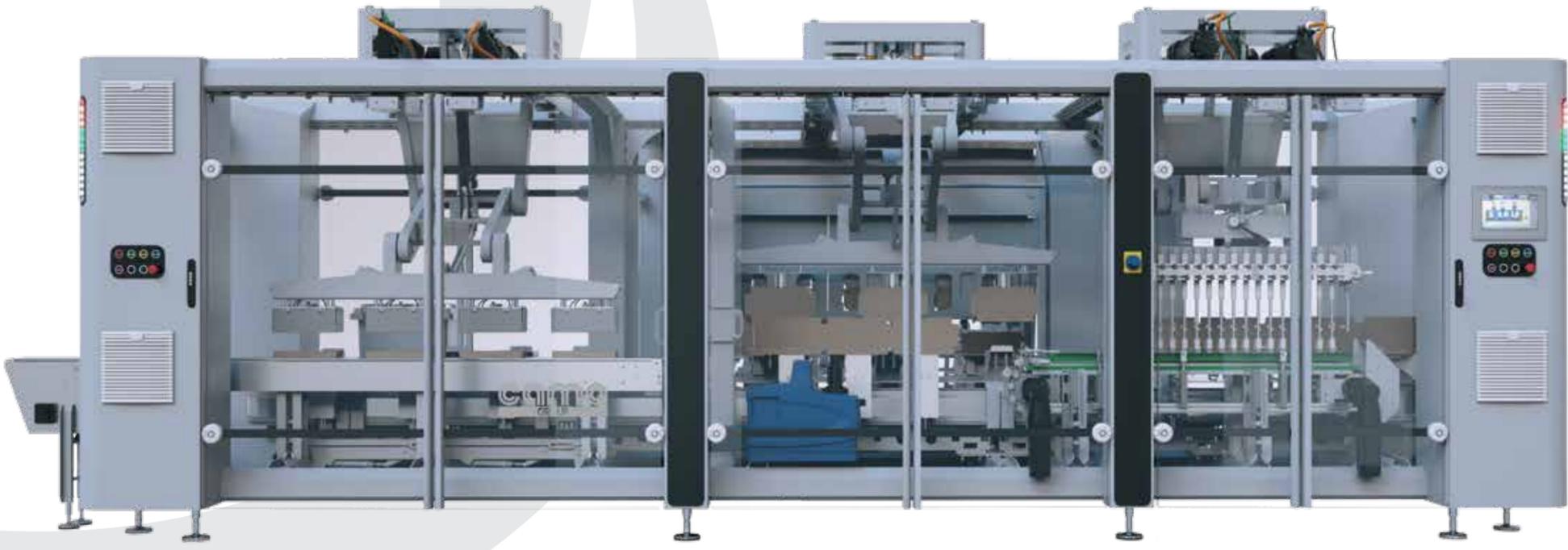
Wet Food for Man's Best Friend

People are very selective about what they feed their pets and the manufacturers of this food are just as selective about the packing machinery they choose. As pet food companies focus on the packaging needs of their consumers, they turn to the latest technology and most advanced equipment available on the market, both in the Wet and Dry pet food sectors. Cama offers excellent and tailor-made solutions for both sectors and for any kind of primary pack (cups, bags, pouches, trays, etc.). That's why Cama has been selected as

the supplier of choice in this important market, building on its already extensive reference list of existing installations. This latest line belongs to the new Break-Through Generation (BTG) from Cama and delivers maximum flexibility with the highest equipment performance. This solution has been specifically engineered for one of the largest producers of private label Pet-Food in Europe, to pack 600 per minute of 300g aluminium trays (ALU-Tray). The products arrive in 4 lanes and are packed into cardboard trays and/or cardboard tray & lid,

to satisfy the high demands of the private label customers. The ALU-trays are counted in each of the two loading units on two lanes by a starwheel system. The trays are then collated into a multiple pocket conveyor and loaded into the boxes by a special gripper-type pick-up head, which guarantees a zero defect marking of the packs. The robotic pick-up head includes a special detection system that enables the automatic ejection of boxes with missing products from the loading unit. The line is capable of packing different box sizes

and up to 10 formats, as well as being able to handle multi-flavour formats. Depending on the production needs, another important benefit offered by this line is the possibility to glue together 2 or 3 carton trays with different flavours, applying one single common lid. The lidding is carried out by a 2-axis robotic lidding head. Depending upon customer specifications, the boxes can be then delivered to a FW model wrap-around case packer, to pack products in a wrap-around case or a two-piece display case, for a perfect Shelf-Ready-Package.



● Fully robotized IF318 Monoblock Loading System



Doy Packs in SRP for Brazilian market

For the Brazilian market, Cama has recently successfully completed the commissioning of an automatic packaging line (composed of two wrap-around style case packing machines), able to collate stand up doy-packs of wet pet food and pack them into corrugated wrap-around cases or corrugated display cases.

This machine system has been specified to:

- receive and collate products arriving on single lane;
- erect cases from flat blanks;
- load cases with products according to the required configuration.

Each line is handling two different sizes of doy-

packs, to be packed in four different display case configurations, working at the production line speed of 300 ppm or 25 cases/minute (12 bags in each display case). These lines have been specifically designed and engineered to meet the Customer's production and packing requirements whilst exceeding their efficiency

and reliability targets. Ergonomic design and ease of use by line operators has been ensured through total visibility of all machine working phases and complete line accessibility.



● Wrap-around Case Packer

Wet pet food in mixed flavour pouches

There's an increasing demand for Shelf Ready Packs with mixed flavours. This is a typical request from the Pet Food and other industries. Once again, Cama is at the forefront in supply solutions for these requests due to its extensive know-how in integrating packaging machines with 2-axis robots and Delta type robots with vision. This is not about copy and paste solutions, but tailor made systems to suit your needs, this is what Cama offers. Take the complex packaging line shown right, Cama designed this system to handle up to 680 pouches of wet pet food in up to 4 different flavours. Handling pouches is not easy because if kept standing the product inside tends to accumulate on the bottom, deforming the pouch before it's loaded into the box thus requiring a larger secondary pack. This is a waste of material and space, increasing the total cost of production (packaging materials and supply chain inefficiency). To avoid this, Cama's technology always handles the pouches laying flat, from de-nesting from WIP crates or retort trays to the loading into the carton box, making sure you can use the right size carton, generating material savings and maximising the palletizing pattern for a fully optimised supply chain. The pouches arrive in plastic trays

to the unloading stations, where Cama's own Triaflex Delta robots, with integrated vision, pick and place the pouches into three-flaps boxes. A triple head Cama forming machine forms the display type boxes. Once the boxes are filled they are closed and delivered to a Cama wraparound machine to be grouped and loaded into corrugated wraparound cases. This high efficiency turnkey project once again proves Cama's capability to exceed Pet Food Industry expectations.



● Vision guided robots



Password: simplicity and reliability

The Cama case packers are designed and engineered to realise the key requirements of line operators: simplicity of use and reliability. These are standard features of Cama case packers, capable of mechanising display cases at up to 30 cases/minute with 2 or 4 sided lids,

either internal or external of the tray. Here shown is a typical example of a high throughput application in the pet food sector, where 150 cartons/minute are packed standing upright into display cases, composed of corrugated tray and lid. The machine flexibility allows

a base module to be combined with various lidding types, all engineered specifically for the required packaging styles and line speeds. Furthermore it's important to note that, even given the various types of lidding systems, the case packer is always "single-facing", i.e. the

tray and lid blank magazines are always located at the two ends of the machine, thus ensuring complete accessibility and total visibility of the entire working process in all stations.



● Wrap-around Case Packer

Shelf ready dry pet food side-loaded into cartons

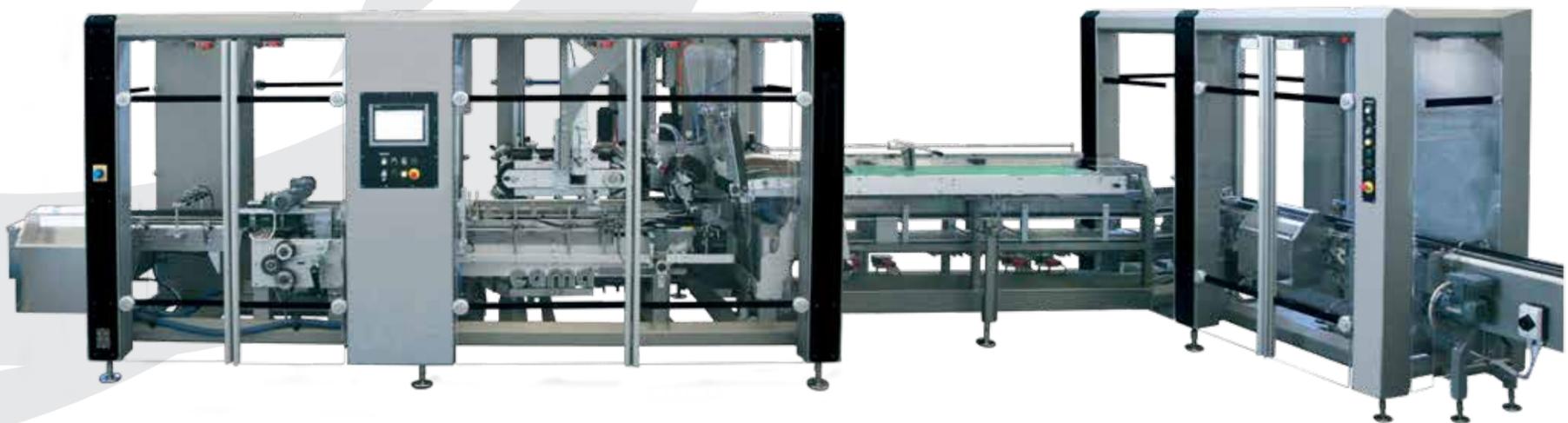
One of the latest dry pet food applications has been accomplished with a CL153 side-loading cartoning machine suitable for Shelf-Ready cartons. The dry pet food pouches are delivered in a single lane and collated on edge, landscape, into an electronically controlled vertical race track system. The required

number of pouches are then side loaded into fluted board cartons. At the machine outfeed, the cartons are rotated by 90° into standing position for Shelf-Ready display. The CL153 cartoner is capable to run large cartons up to 40-50 cartons/minute, depending upon product arrival speed and collation. Cama's

knowledge and experience in cartoning and pet food allowed remarkable results to be achieved in this application:

• use of fluted board on a side-loading cartoning machine. The cartons can be palletized directly without the need for further case packing equipment or materials;

- use of cartons with perforations for Shelf-Ready packaging;
- compact and cost effective solution with one single machine;
- minimal foot print required for the application.



● Side-loading system





● Robotic Line

Complete high-speed line for top loading of dry pet-food

Cama have huge expertise and a proven track-record packing pillow or doy-pack bags containing dry pet-food. In the last 20 years, Cama has successfully supplied multiple lines to major pet-foods companies around the globe. Last year Cama improved the capability on these lines increasing the speed in order to reduce the cost of the single product on the market. Lines are able to pack bags from 200g up to 1.5kg, with speeds up to 150 bags/minute. Maximum uptime is achieved through quick change-overs from one size to the another performed directly by line operators. Bags are loaded into RSC cases or display boxes starting from flat blanks, and closed by adhesive tape, hot-melt or cold glue. This efficient packaging solution is flexible and tailor made to each customer's needs. Bags can be loaded flat into plain cases for optimised logistics or loaded standing into cases with shelf-ready features for subsequent display on supermarket shelves.



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GROUP

The Cama Group's Mission, based on the Company Total Quality Process System, is oriented towards customer's satisfaction and supplier's partnership. Our new Logo represents the perfect union of the three rings: Supplier, Cama and Customer.

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