



cama news

COFFEE

RECYCLED PAPER 

Supporting the market's fast evolving needs

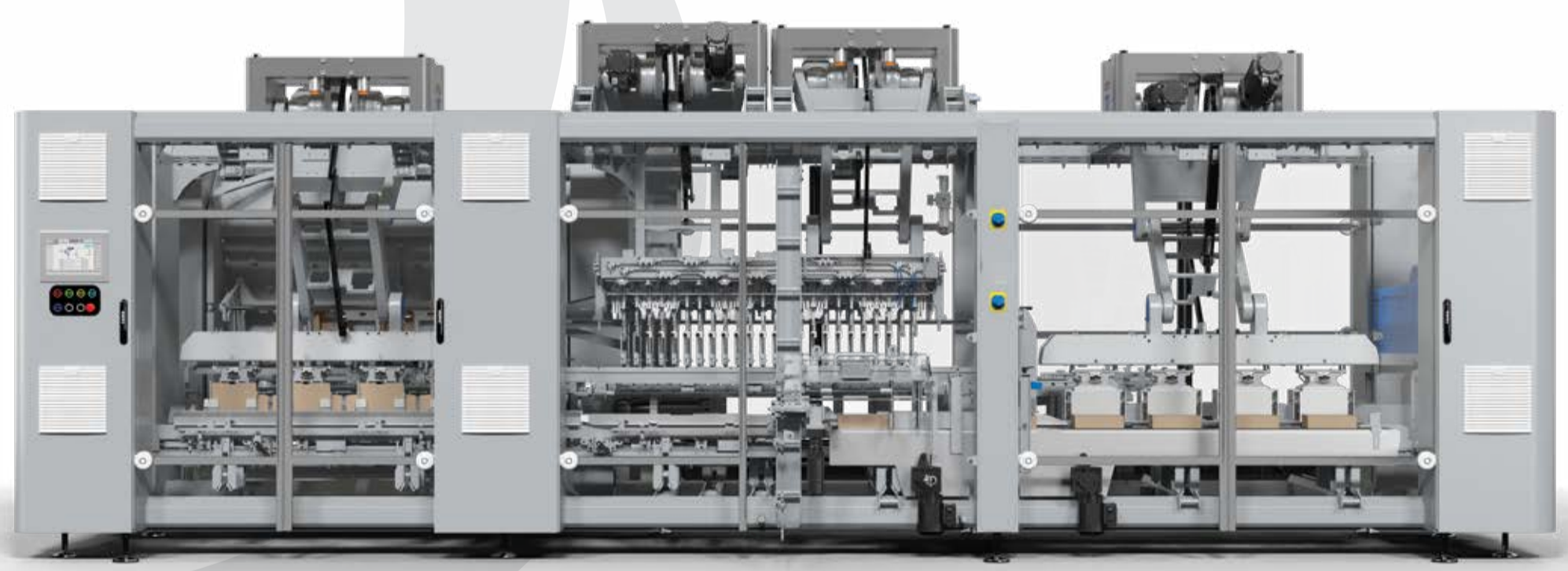
For over 35 years Cama has specialized in developing and supplying automated packaging solutions to meet the fast evolving needs of the coffee market for higher speeds and greater adaptability.


Today, with more than 200 packaging lines installed in the last 10 years worldwide, Cama's state-of-the-art systems and technology lead

the market in secondary packaging systems for the coffee industry. Cama latest BT generation equipment includes a complete solution portfolio to suit any need coffee roasters could have in handling and packing a great variety of coffee serving solutions such as stick-packs, capsules, pods, jars, cans, bags or K-cups. This complete line is the result of a strict

partnership between Cama and a leader coffee producer. The system allows to pack 500 caps per minute into three flaps boxes, to be then collated and case packed into RSC cases, ready for shipment. The line is composed of a monoblock system including the latest robotic Cama technology for forming, loading and closing integrated into one frame, and has

proven to be extremely flexible. The cups are loaded in different number and configurations according to the customer needs. The long cooperation between Cama and its partner mutually help the company to develop the most flexible technology in order to satisfy the market requirements.



 Fully robotic Monoblock Loading Unit



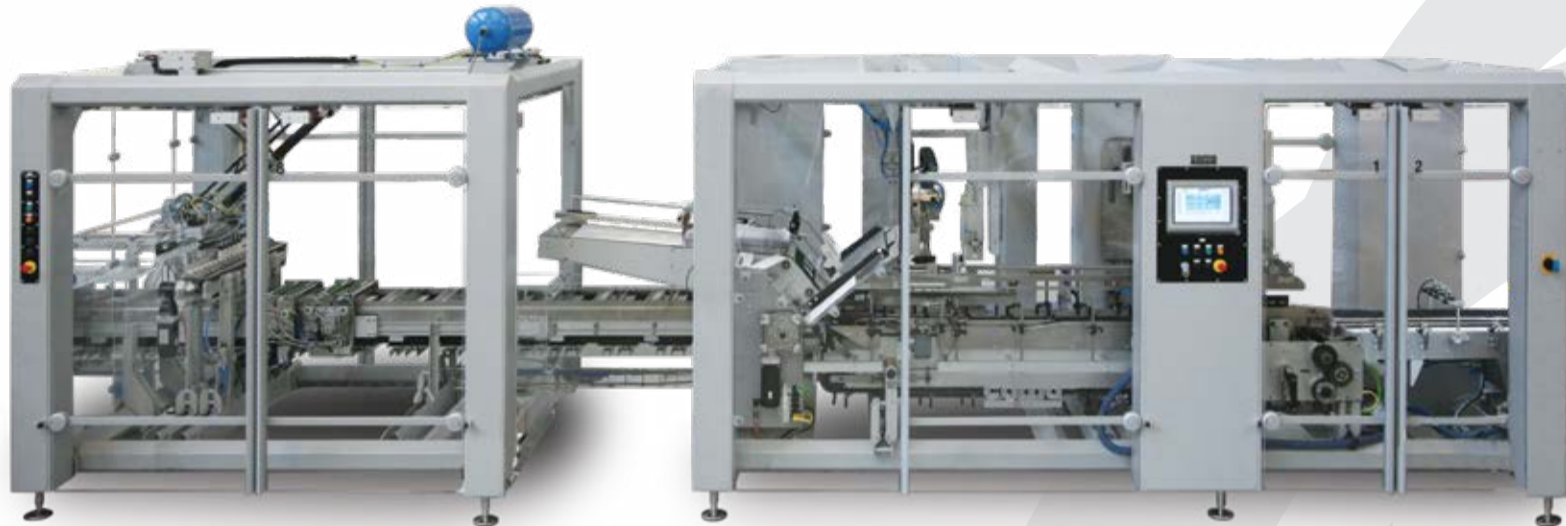
Quality is key for Coffee success

For one of the largest independent coffee roaster in the UK whose reputation for high quality coffee has allowed it to grow sales in the highly competitive retail sector. Following a recent investment in the process and filling side for coffee capsules, the pressure was building to reduce costs and increase throughput on their packaging line. Customer's problem was that their customers' wanted different packaging styles to allow differentiation in the market. Standard 1x10 tube formats for Nespresso compatible capsules are well

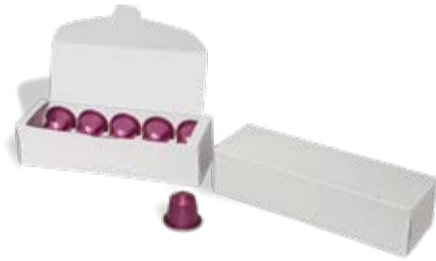
recognized but for a point of difference for the higher end products a format with more drama and customer engagement was required. Working with Cama's dedicated packaging department a new tray with insert to allow the capsules to be presented similar to gift box, allowed customer to offer a packaging format with the sense of occasion created by the theatrical product reveal of the contents of the carton. The brief to Cama was to provide an efficient automated solution that could provide both packing formats, tubes and cartons

with insert on an easily changed machine to ensure high OEE. With Cama's market leading knowledge of packing for coffee capsules, decades of experience providing packaging machines, and having an in-house packaging design team, Cama was able to propose a machine solution incorporating precision feeding of the aluminum capsules, robotic manipulation of capsules ready for loading integrated into a Cama CL intermittent motion side load cartoner. The key to the flexibility of the line is Cama's MN ('Y' shaped) robot at the

infeed. With an innovative design of the robot pick head Cama have been able to minimize the change over time between the different formats. All formats are capable of running at 120 capsules per minute. As a result of the investment customer is now able to pack more than three times as much product per day, utilizing fewer people, and therefore reducing the reliance of temporary workers. The greater efficiency gained from the investment will allow Return on Investment (ROI) in less than 1 year.



● Side Loading System



Flexible end of line for instant coffee

Flexibility, quick changeover, and reduced footprint are all converging on this CAMA monoblock loading unit, that offers integrated case forming loading and closing. Bags are picked up from a vision guided belt and loaded into cases previously erected from flat blanks.

Cama Delta robots, driven by a camera, pick-up, orient and place bags into cases in multiple configurations, ensuring no changeover on the robot side. Taking advantage of the vision technology, joined with a smart pick-up system, this loading unit is capable of packing different

type of bags, in odd and even configurations, and with several orientations, just by changing receipt on the HMI. Forming and closing machines offer all the advantages of top end Cama equipment and are fully integrated into the loading unit controller, so that the

entire unit can be operated through a single control point by a single operator. The machine incorporates the latest Cama developments in terms of higher hygiene standards, ergonomic design and energy saving engineering.



● Vision guided Robotic Unit



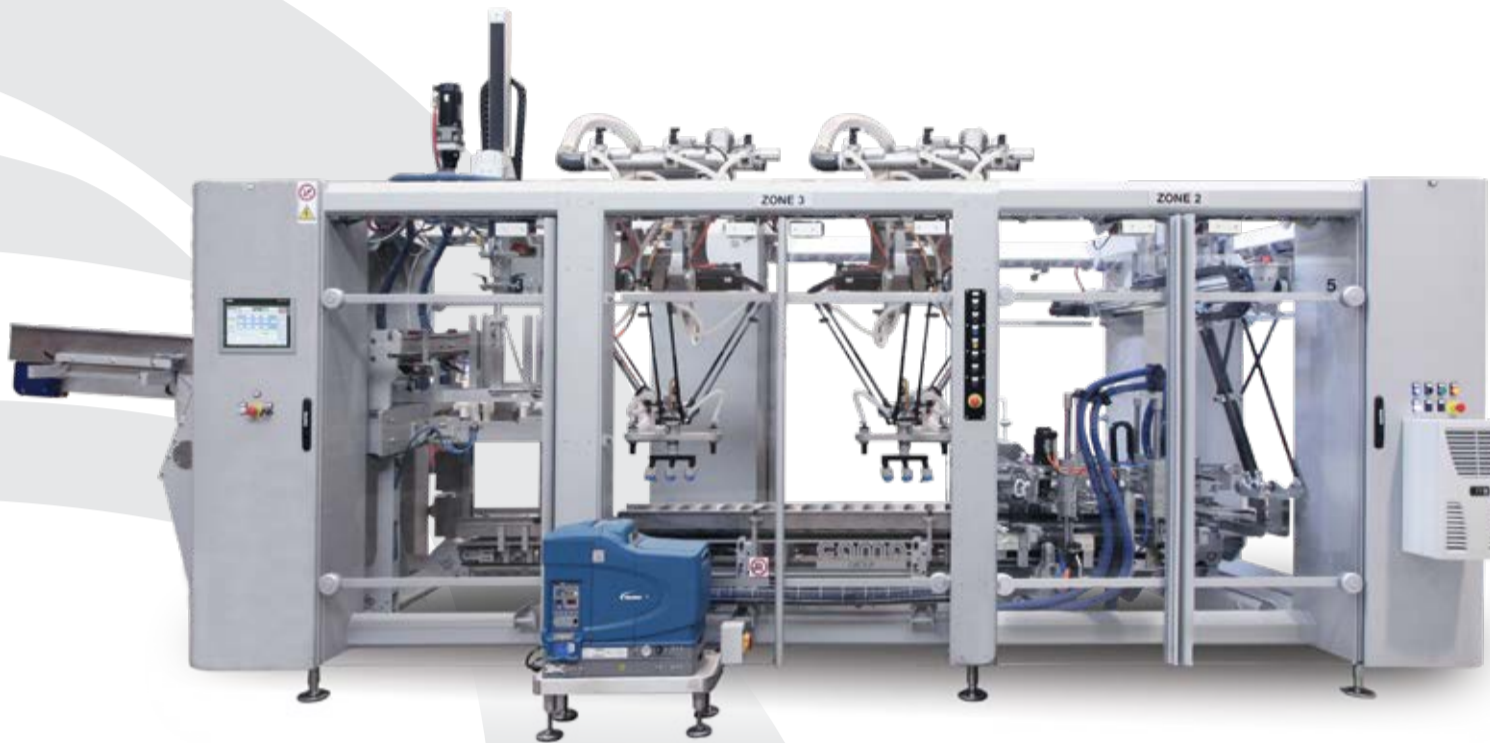
From pods to pallets

Turn-key packaging solution developed by Cama in response to a specific customer's request for a complete end-of-line system to handle primary packages with flexible multiformat product configuration up to the supply of the wrap-around case to an integrated palletizing unit. The pods arrive from two independent lanes at a speed of 500 ppm. The line, with

integrated box forming and closing, provides for multiformat products to be loaded into boxes, random or according to a checkerboard pattern to optimize space. It is possible to load 25 to 150 products depending on configurations. This versatile Cama packaging system provides loading of products in classic 3-flap boxes as well as in a special vertical

dispenser box, so performing two functions at the same time. Boxes are then conveyed to the case packer to be loaded into shelf-ready cases in the required configurations. The special integrated palletizing equipment provides to stack cases on pallets in the defined patterns, ready for shipment. Cama's positive and gentle product handling guarantees extreme

care during the whole packaging process to maintain the product high-quality standards and full integrity. The line is equipped with additional devices such as open flap detect and reject control, weight checker and laser codification systems for boxes and shelf ready cases, all contributing to maximise output for the customer.



● Fully robotic Monoblock Loading Unit

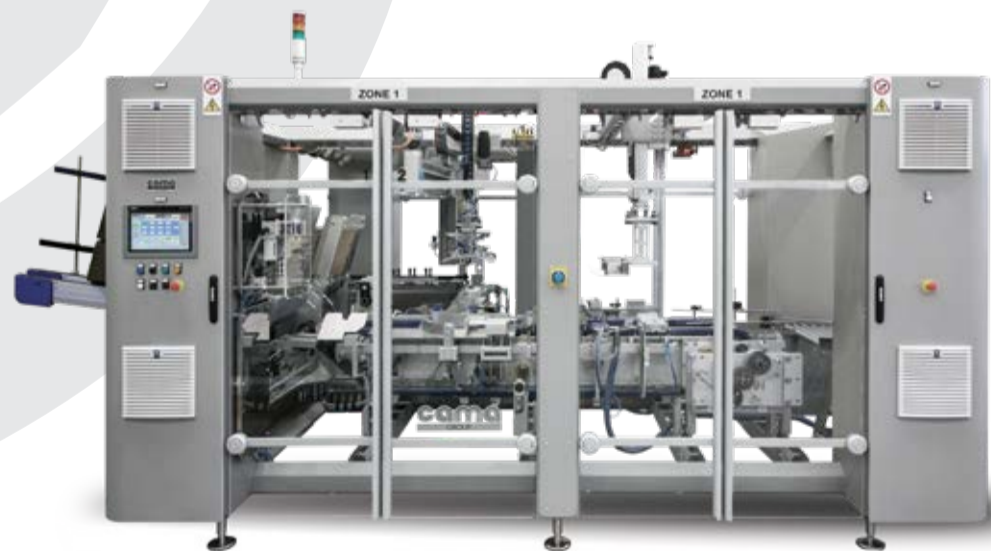
Flexible SRP packing for vacuum sealed bags

The Cama FW series case packers are capable of packing a variety of products into RSC case, one-piece wrap-around or two-piece display cases for retail-ready packaging solutions and are therefore widely used for various applications in the coffee sector. This machine is packing vacuum sealed coffee bags in

several SRP presentation, single, double and quad facing on the shelf, with individual or with 2 lids in the same trays, with the capability to evolve in the future to tray packing only or to full wrap-around case as well. Quick and reliable changeover ensured by automated and self detecting devices, flexibility to cope

with different products, case sizes and loading patterns as well as to easily switch to different case styles are the milestones of this type of end of line machines. Ergonomics and agility to operate the machine is also enhanced by the two magazines for tray and lid that are placed on the same side of the machine, at

low level for easier feeding of packing material. This system is a further evidence of how Cama is extremely receptive of the market needs, proposing flexible solution to meet the various specific customer's requirements.



● Wrap-around Case Packer



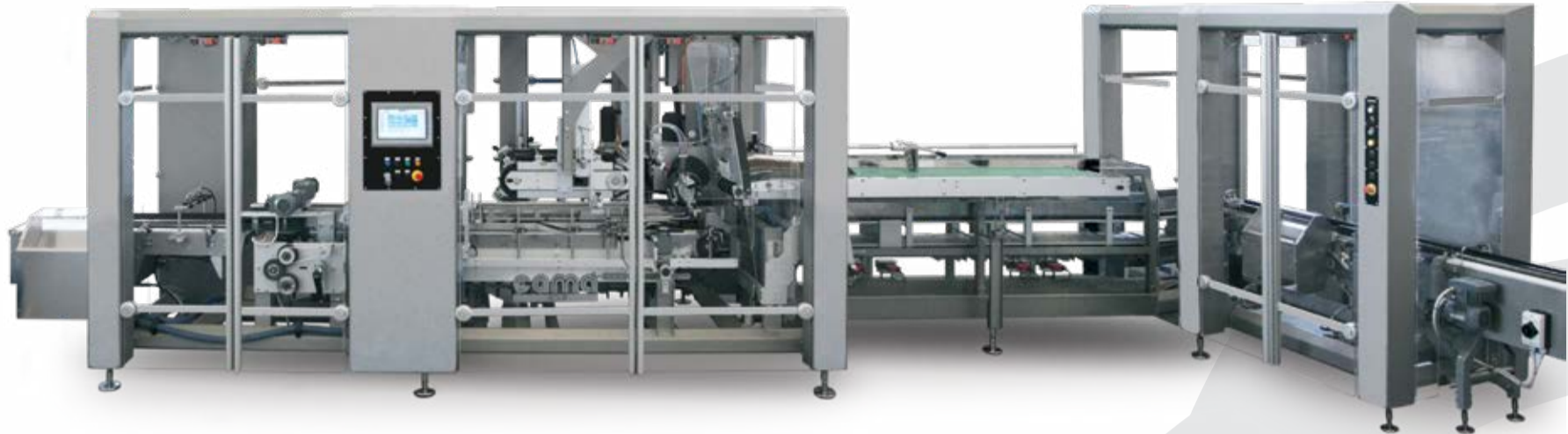
Consumer-friendly stick packs of coffee into practical cartons

A well crafted knowledge has allowed Cama to offer the latest and most reliable technical solutions for many different applications in

the coffee sector. One example is the line composed of two special hopper loaders to automatically load stick-packs from the

processing machines into the infeed of a Cama electronic cartoning machine. The products are then packed in various configurations into end

load cartons with a "stick-pack" arrival speed of 1200 ppm.



● Side Loading System



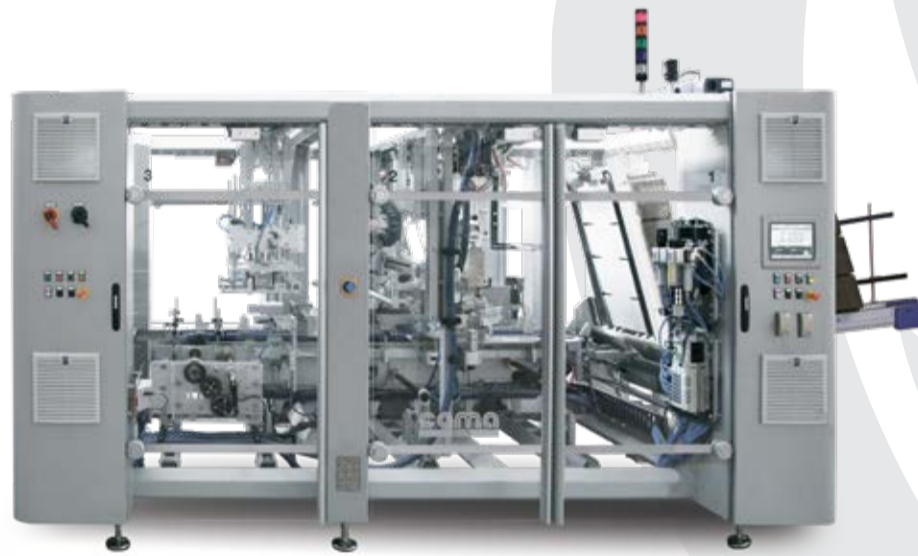
Instant powder coffee solutions in trays

Cama realised this packaging system for the case packing of cans or jars of different dimensions, containing instant powder for coffee/cappuccino. The whole system and the

infeed system in particular have been designed to work in a "dusty" environment, thus ensuring a high degree of efficiency and reliability. Another important advantage offered by Cama

is the flexibility in packaging styles, with the possibility of packing the same product, at a speed of 100 cans/minute, both in a tray and in a wrap-around case. Also the classic format

of powder coffee bag, for "moka lovers", can be perfectly packed into cases, with a speed up to of 16 boxes per minute, ensuring a perfect appearance on the supermarket shelves.



● Wrap-around Case Packer



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

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