

CAT ALOGUE



SENZANI

From innovation to pack

Specialists in automatic packaging technology



Since 1953 Senzani has been manufacturing packaging machines to meet every need in the production process, from **primary and secondary packaging to palletisation and end-of-line solutions**.

Relying on its first-level engineering tradition, Senzani offers **integrated systems and complete turnkey lines**, including the management of greenfield projects.

Senzani is a strategic partner for technological development, able to meet customer's needs by designing and implementing specific solutions in different fields of application, from packaging lines (packaging materials, type and design) to the entire production plant (logistics management, supply chain, etc.). Thanks to longstanding experience and in-depth knowledge of the industry, Senzani provides **complete guidance** to the customer, guaranteeing an extremely professional and qualified support in the different phases of the project, in order to supply highly profitable solutions and systems.

Over the years Senzani **has installed more than 2,200 machines worldwide** for the main companies and multinational corporations in various sectors like food, home & personal care and tobacco.

CUSTOMISATION

Our **cutting-edge R&D department** creates the most efficient and customised solutions to meet market demands. Regardless of the customer's needs or marketing requirements, we can provide highly tailored packaging solutions.

INNOVATION

The focus on innovation is confirmed by **more than 80 patents** filed over the years in Europe, the USA and other countries. Our commitment to innovation is also testified by the implementation of systems and devices that make production, maintenance and installation of machinery more efficient: **automation, collaborative robots, augmented reality and advanced remote diagnostics**.

SUSTAINABILITY

Senzani has always offered **environmentally friendly plastic-free packaging solutions**, being specialised in the manufacture of cartoners and case packers processing paperboard and cardboard packs. In addition, the longevity of our machines and the possibility of upgrading them over time, as well as the use of the latest technologies for energy efficiency, contribute to making Senzani machinery ever more sustainable.

Our story

1953

The first automatic machine for spaghetti cutting gives the sparkle to Senzani production

1960

Registration of the first patents

1966

Manufacture of the first vertical cartoner, S400, performing 400 carton/minute and still running today

1969

Senzani enters the tobacco sector with the first case packers

1992

Patent for the revolutionary high-speed NPU turret

2003

Installation of the great stele for the company's 50th anniversary

2010

The portfolio is expanded with new solutions to pack products in trays and displays

2015

Launch of TLCM, the innovative all-in-one top-load cartoner for ordered coffee capsules, later called OMNIA

2018

The range is completed with wrap-around and tray+lid solutions for secondary packaging

2019

HCM technology for horizontal cartoning from pre-glued cartons is developed

2020

Introduction of SMART, the IoT platform allowing performance monitoring, maintenance management and remote support

2023

The company celebrates 70 years in the business

2021

ORIGAMI, the new generation of high-performance machinery with iTRAK technology, is launched

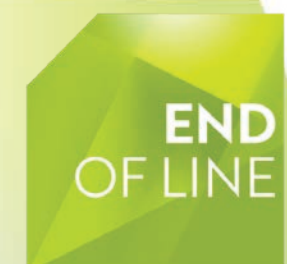
Solutions



Case packers for the introduction of products into RSC, wrap-around or tray+lid cases



Vertical and horizontal cartoners and machines to set-up, fill and seal cartons, trays and displays



End-of-line solutions, palletisers and special applications

Sectors



Pasta



Coffee
Tea



Confectionery



Flours
Salt
Spices
Sugar



Cereals
Dried Fruits



Home &
Personal Care



Tobacco



Pet Food



Frozen Products



Purea
Spreads
Honey



Chemicals



Agriculture



Dairy



Cartoners

PRIMARY PACKAGING MACHINERY

With over 70 years of experience, Senzani is among industry leaders in the manufacture of innovative cartoning systems for loose or pre-packed products. Available technologies include handling of **pre-glued cartons with vertical or horizontal filling or form-and-fill from flat blanks**.

High degree of customisation

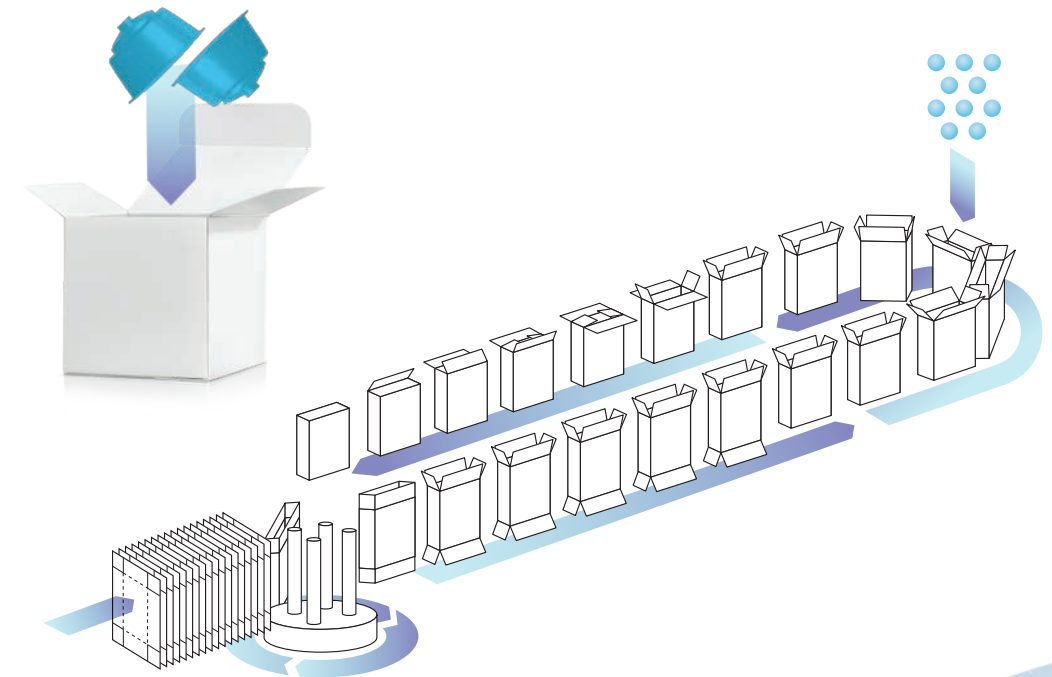
Different production speeds

Wide flexibility in layout design and carton management (by shape, size, product dosing and closure)

Handling of pre-glued cartons or form-and-fill technology, depending on the product to be packaged

Vertical or horizontal filling systems

model	production speed
VCM	up to 150 cartons/minute
VCMA	up to 90 cartons/minute
VCMX	up to 350 cartons/minute
VCMK	up to 600 cartons/minute
TLCM	up to 80 cartons/minute
WACM	up to 25 cartons/minute
HCM	up to 240 cartons/minute



All machines are available with

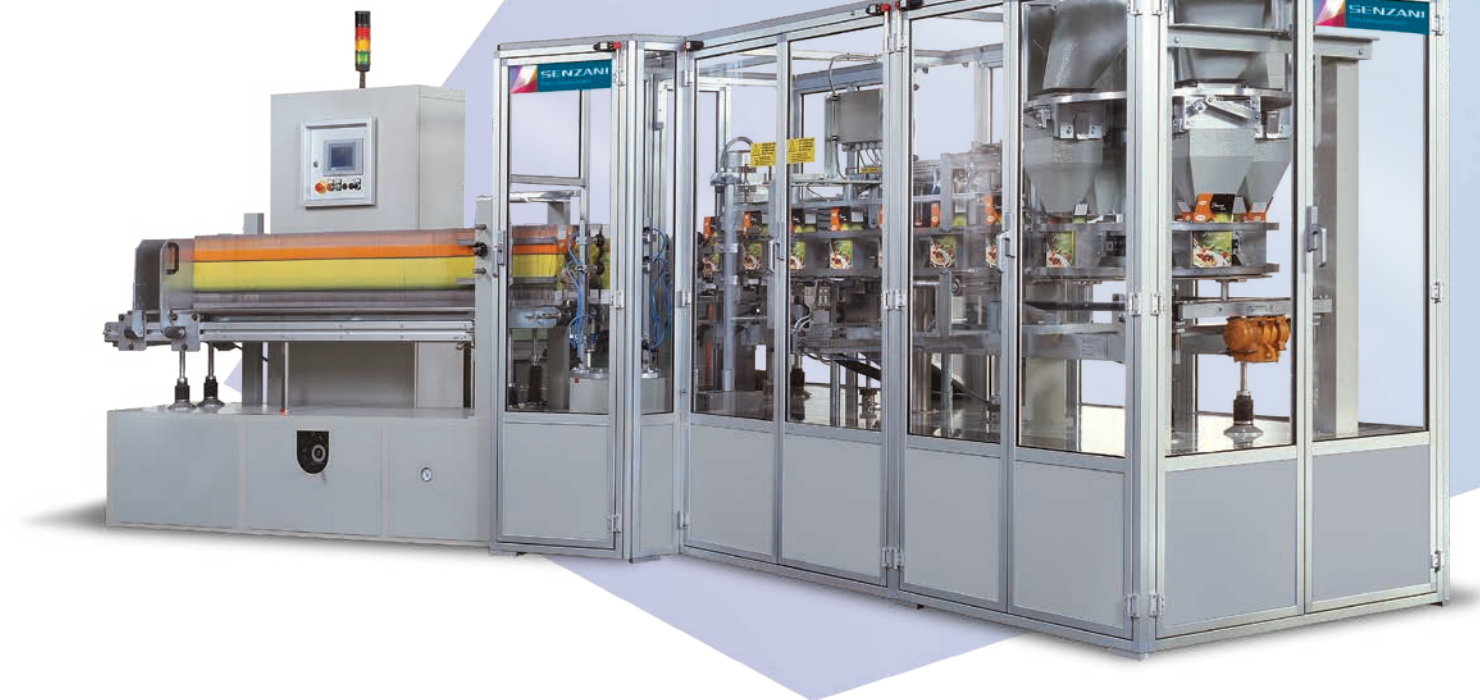


VCM

Continuous-motion vertical cartoning machine

Carton dimensions

min. 60 x 30 x 140 H mm
max. 180 x 80 x 330 H mm



Features:

Capable of packing up to 150 cartons/minute in continuous motion

Extremely wide range of available formats

All shapes of carton and types of flap closure (standard, reverse, flip-top, gable-top, tuck-in) can be processed

Monobloc aluminium carton holders for optimal carton squareness

Positive handling of the cartons during picking and set-up phases

Product infeed via volumetric dosing systems, scales, augers or counting equipment

Parts in contact with the product made of stainless steel and/or food-grade

"No product / No carton" functionality and carton closure from stopped condition (optional)

Tool-free technology for quick adjustments and format changes

Fully washable stainless steel machine version and/or with specific components for corrosive products

Availability of all PLC platforms (Siemens, Allen Bradley, Schneider)



VCMA

Index-motion
vertical cartoning machine

Carton dimensions

min. 90 x 40 x 140 H mm
max. 220 x 100 x 370 H mm

Features:

Capable of packing up to 90 cartons/minute in index motion

Extremely wide range of available formats

All shapes of carton and types of flap closure (standard, reverse, flip-top, gable-top, tuck-in) can be processed

Monobloc aluminium carton holders for optimal carton squareness

Positive handling of the cartons during picking and set-up phases

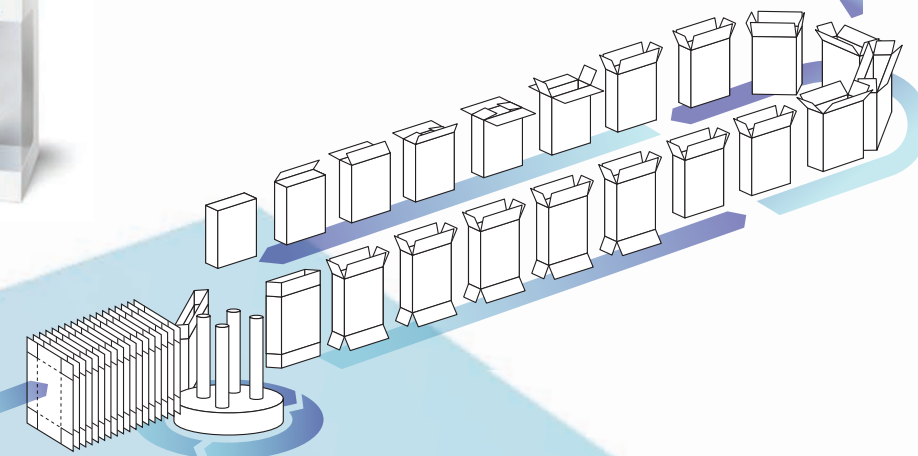
Product infeed using a pocket conveyor belt

Tool-free technology for quick adjustments and format changes

Fully washable stainless steel machine version and/or with specific components for corrosive products

Availability of all PLC platforms (Siemens, Allen Bradley, Schneider)

All machines
are available with



VCMX

High-speed continuous-motion
vertical cartoning machine

Carton dimensions

min. 60 x 30 x 140 H mm
max. 285 x 145 x 390 H mm

Features:

Capable of packing up to 350 cartons/minute in continuous motion

Extremely wide range of available formats

All shapes of carton and types of flap closure (standard, reverse, flip-top, gable-top, tuck-in) can be processed

Monobloc aluminium carton holders for optimal carton squareness

Positive handling of the cartons during picking and set-up phases

Product infeed via volumetric dosing systems, scales, augers or counting equipment

Parts in contact with the product made of stainless steel and/or food-grade

"No product / No carton" functionality and carton closure from stopped condition (optional)

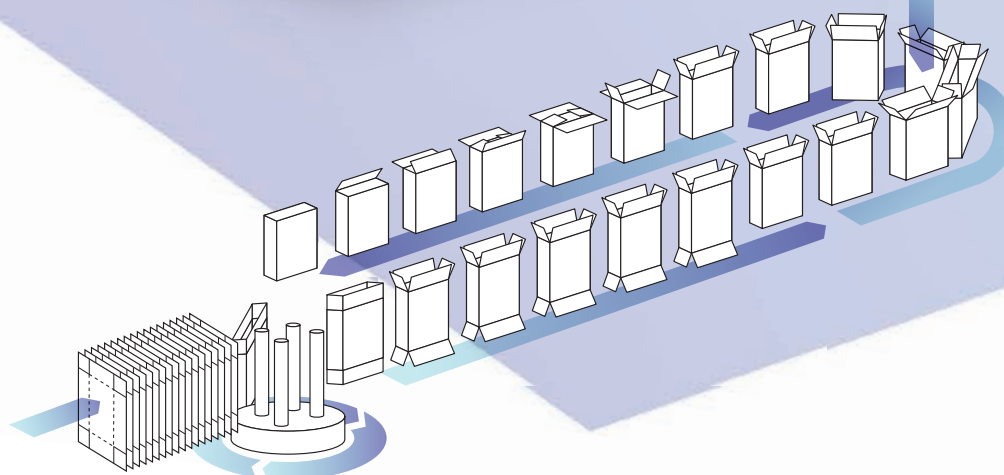
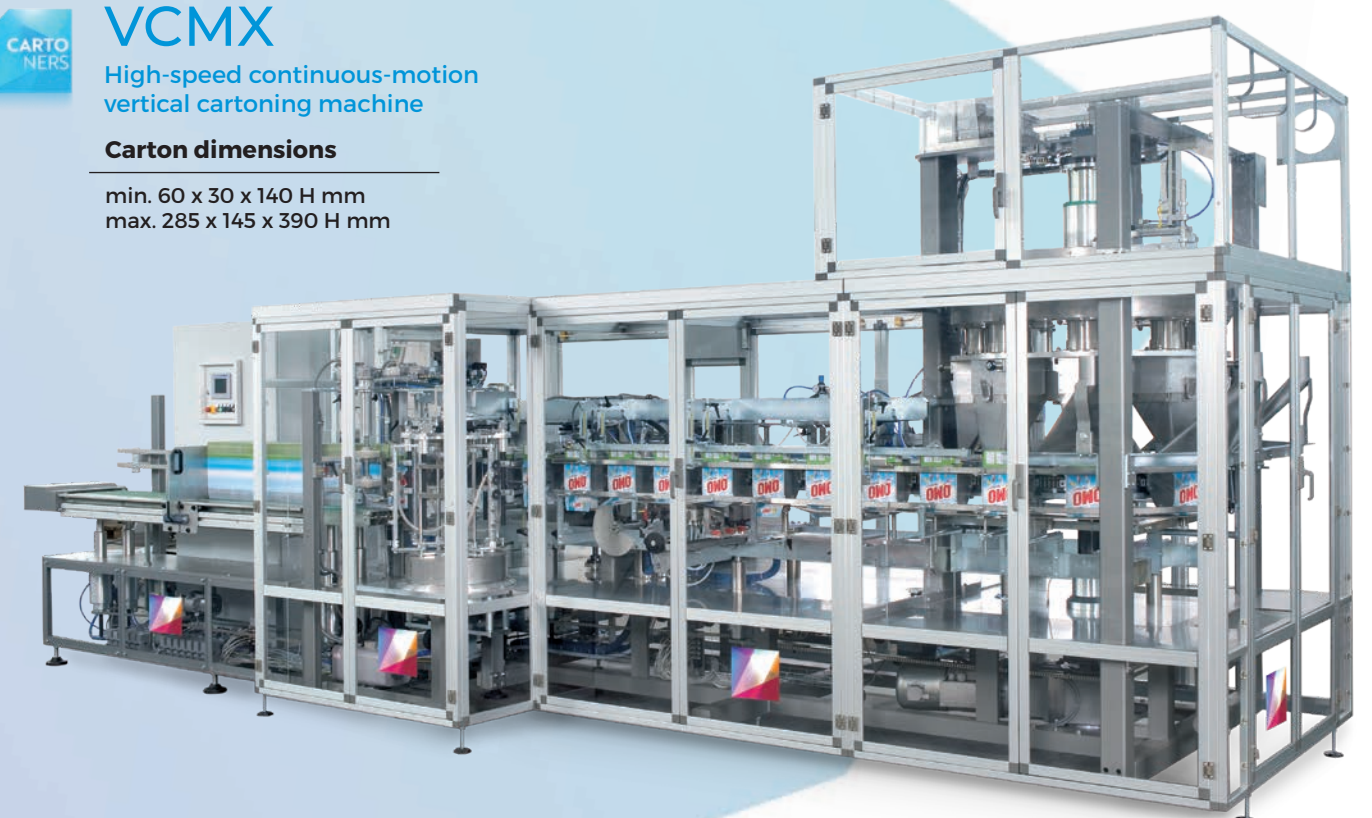
Tool-free technology for quick adjustments and format changes

Fully washable stainless steel machine version and/or with specific components for corrosive products

Availability of all PLC platforms (Siemens, Allen Bradley, Schneider)

Magazine with possible integration of automatic carton loading and case depalletising solutions

All machines
are available with





VCMK

Custom
vertical cartoning machine

Features:

Capable of packing up to 600 cartons/minute in continuous motion

Extremely wide range of available formats

All shapes of carton and types of flap closure (standard, reverse, flip-top, gable-top, tuck-in) can be processed

Monobloc aluminium carton holders for optimal carton squareness

Positive handling of the cartons during picking and set-up phases

Product infeed via volumetric dosing systems, scales, augers or counting equipment

Parts in contact with the product made of stainless steel and/or food-grade

"No product / No carton" functionality and carton closure from stopped condition (optional)

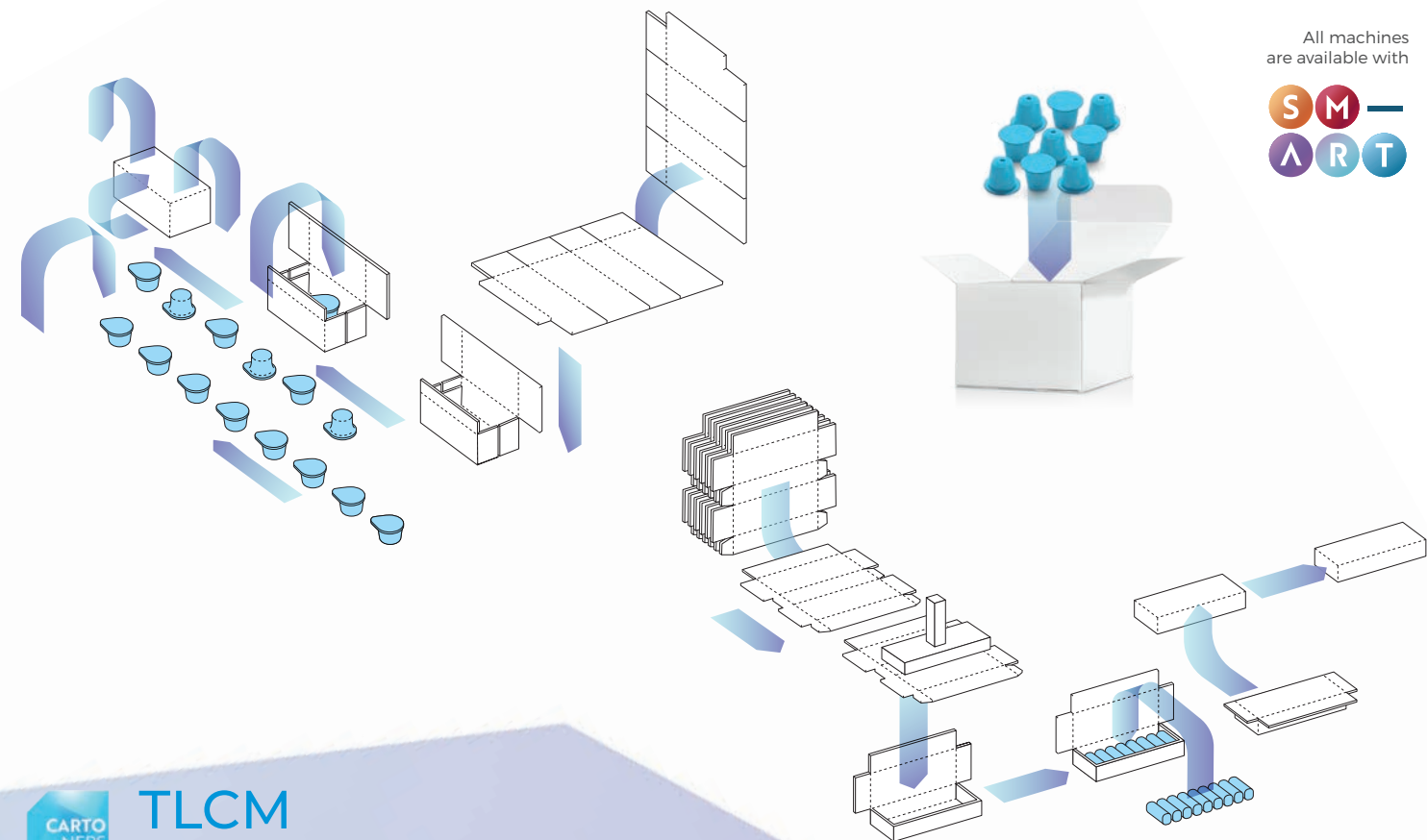
Tool-free technology for quick adjustments and format changes

Fully washable stainless steel machine version and/or with specific components for corrosive products

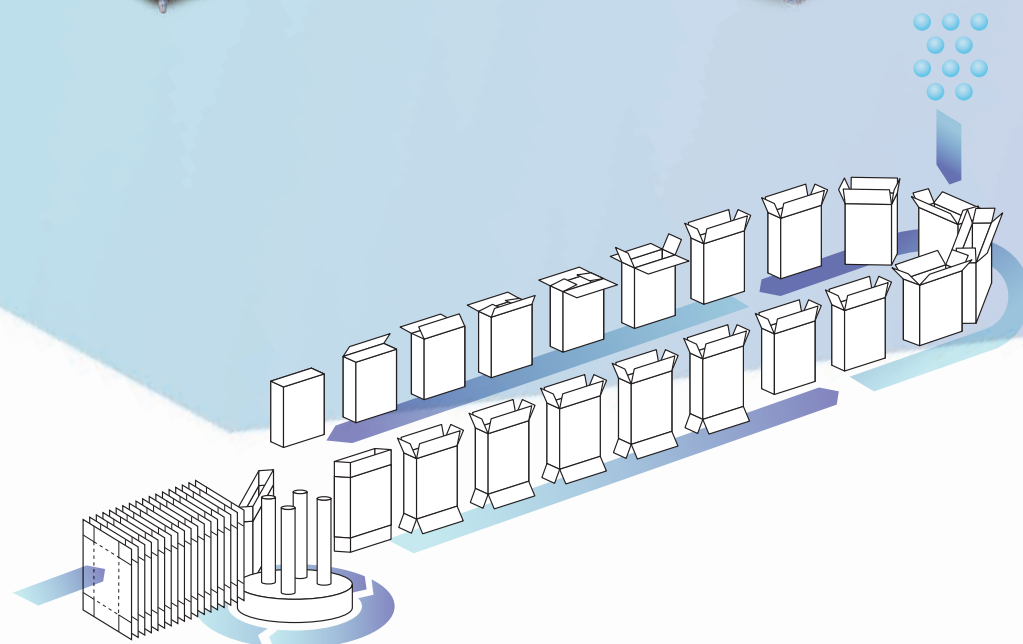
Availability of all PLC platforms (Siemens, Allen Bradley, Schneider)

Magazine with possible integration of automatic carton loading and case depalletising solutions

All machines
are available with



All machines
are available with



TLCM

Top-load cartoning machine
from flat blank

Carton dimensions

min. 150 x 68 x 30 H mm
max. 160 x 60 x 155 H mm



Features:

Capable of packing up to 80 cartons/minute

Infeed speed up to 800 products/minute (depending on product type and dimensions)

Custom infeed system depending on the product

Suitable for: cans, coffee capsules, doypacks, pouches, sachets, tubes, etc.

Pick&Place filling by means of Delta, Scara or Cartesian robots

Ergonomic vertical magazine, suitable for a wide range of formats

Interlayer or "honeycomb" sheets handling systems available

Vision system integration available

Tool-free technology for quick adjustments and format changes

Compact, modular and user-friendly layout, only requiring one single operator

Availability of all PLC platforms (Siemens, Allen Bradley, Schneider)



WACM

Wrap-around cartoning machine
from flat blank

Carton dimensions

min. 130 x 90 x 30 H mm
max. 250 x 100 x 100 H mm

Features:

Capable of packing up to 25 cartons/minute

Infeed speed up to 1,700 products/minute
(depending on product type and dimensions)

Custom infeed system depending on the product

Suitable for: regular-shaped pre-packed products
such as cans, cartons, stock cubes, etc.

Ergonomic vertical magazine, suitable for a wide
range of formats

Interlayer or "honeycomb" sheets handling systems
available

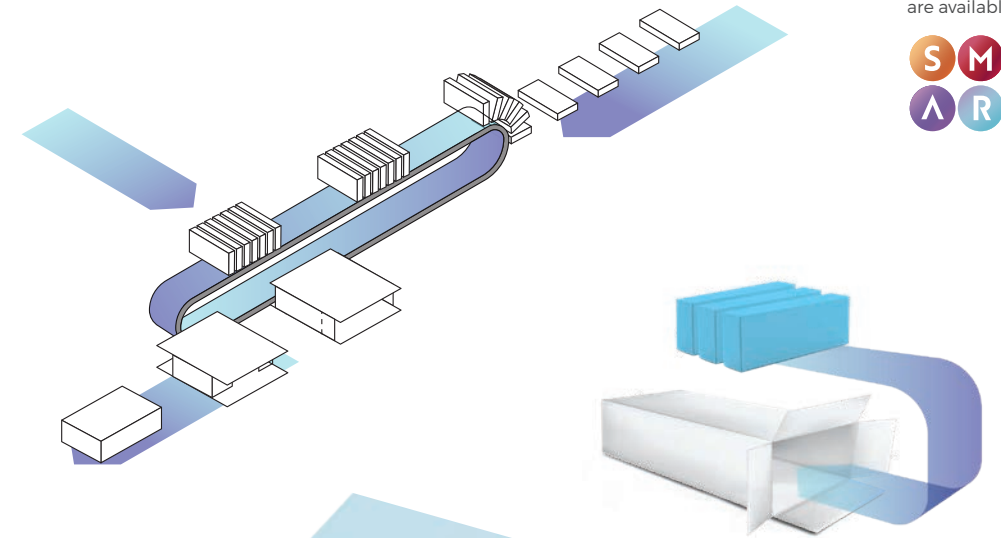
Vision system integration available

Tool-free technology for quick adjustments and
format changes

Compact and user-friendly layout, only requiring one
single operator

Availability of all PLC platforms (Siemens, Allen
Bradley, Schneider)

All machines
are available with



All machines
are available with



HCM

Horizontal cartoning machine

Carton dimensions

min. 60 x 30 x 140 H mm
max. 180 x 80 x 330 H mm

Features:

Capable of packing up to 20 cartons/minute in index
motion and up to 240 cartons/minute in continuous
motion

Extremely wide range of available formats

All types of flap closure (standard, reverse, flip-top,
gable-top, tuck-in) can be processed

Positive handling of the cartons during picking and
set-up phases

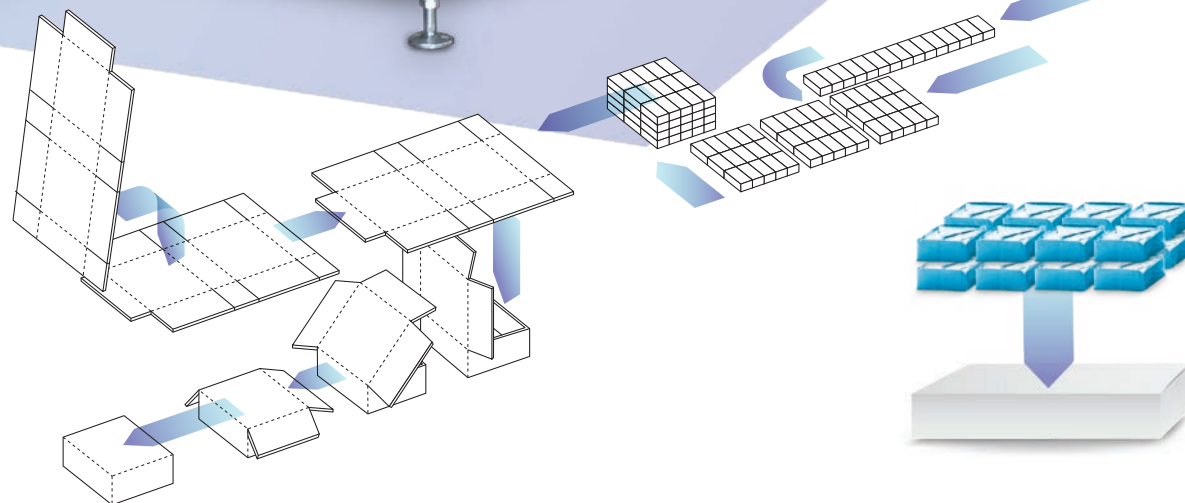
Product infeed using a pocket conveyor belt

Ergonomic vertical magazine, suitable for a wide
range of formats

Tool-free technology for quick adjustments and
format changes

Compact and user-friendly layout, only requiring one
single operator

Availability of all PLC platforms (Siemens, Allen
Bradley, Schneider)





Case Packers

SECONDARY PACKAGING MACHINERY

Senzani produces secondary packaging solutions such as **wrap-around, tray+lid, side-load and top-load case packers**.

These machines feature a modular and specular design, easily accessible and large-capacity magazines, quick and tool-free format changes, and are equipped with dedicated control systems.

Modular and specular design

Completely electronic machines, equipped with brushless motors

Easily accessible large-capacity case magazines

Guaranteed product conformity and perfect carton squareness

Quick and tool-free format changes

User-friendly machines, only requiring one single operator

Possibility of integration with Senzani palletising and/or depalletising systems

model	production speed
CPWA	up to 36 cases/minute
CPTL	up to 25 cases/minute
CPSL	up to 25 cases/minute
SBNE	up to 8 cases/minute

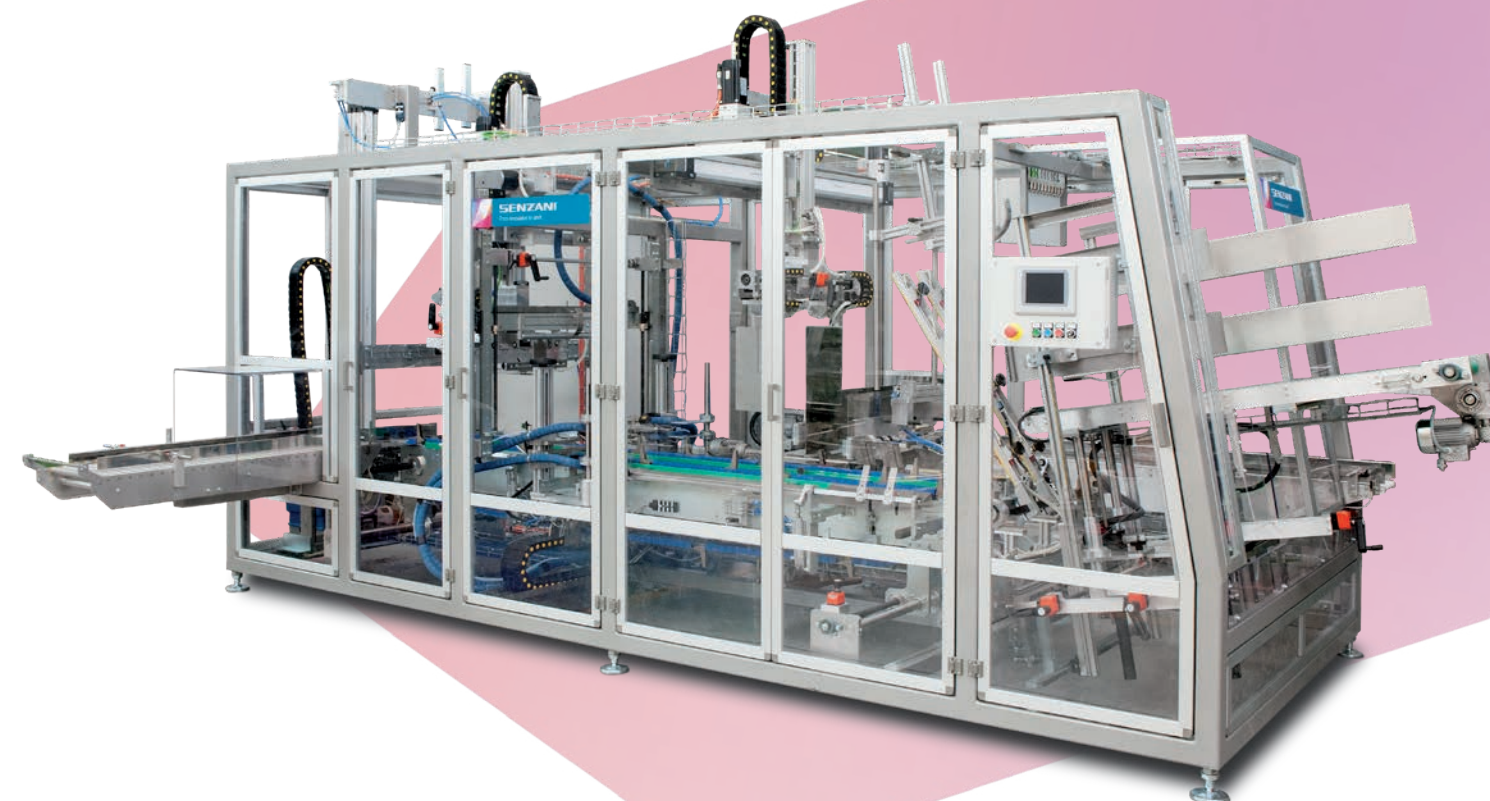
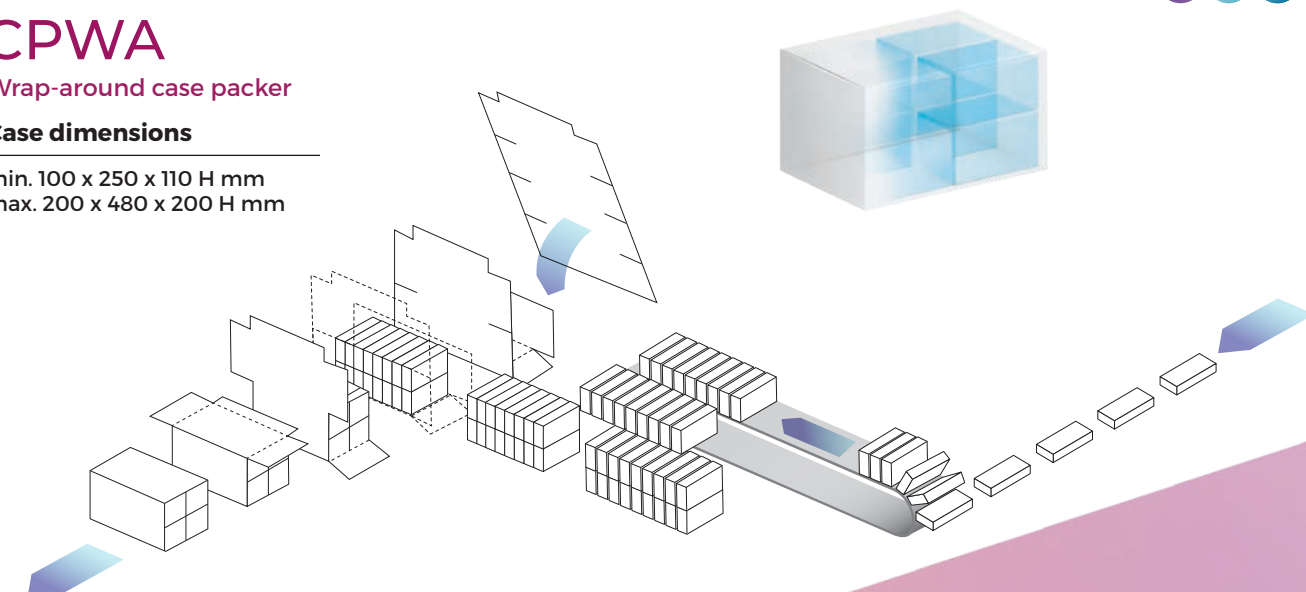


CPWA

Wrap-around case packer

Case dimensions

min. 100 x 250 x 110 H mm
max. 200 x 480 x 200 H mm



Features:

Capable of packing up to 36 cases/minute

Suitable for: bags, cans, cartons, doypacks, flowpacks, plastic bottles, pouches, etc.

Single-blank (wrap-around) and/or double-blank (tray+lid) packaging technology

Wide range of product configurations inside the case

Custom infeed system depending on the product

Ergonomic vertical/horizontal magazine, suitable for a wide range of formats and grammages

Case closure by means of hot-melt glue

Completely electronic machine, equipped with brushless motors

Compact and user-friendly layout, only requiring one single operator

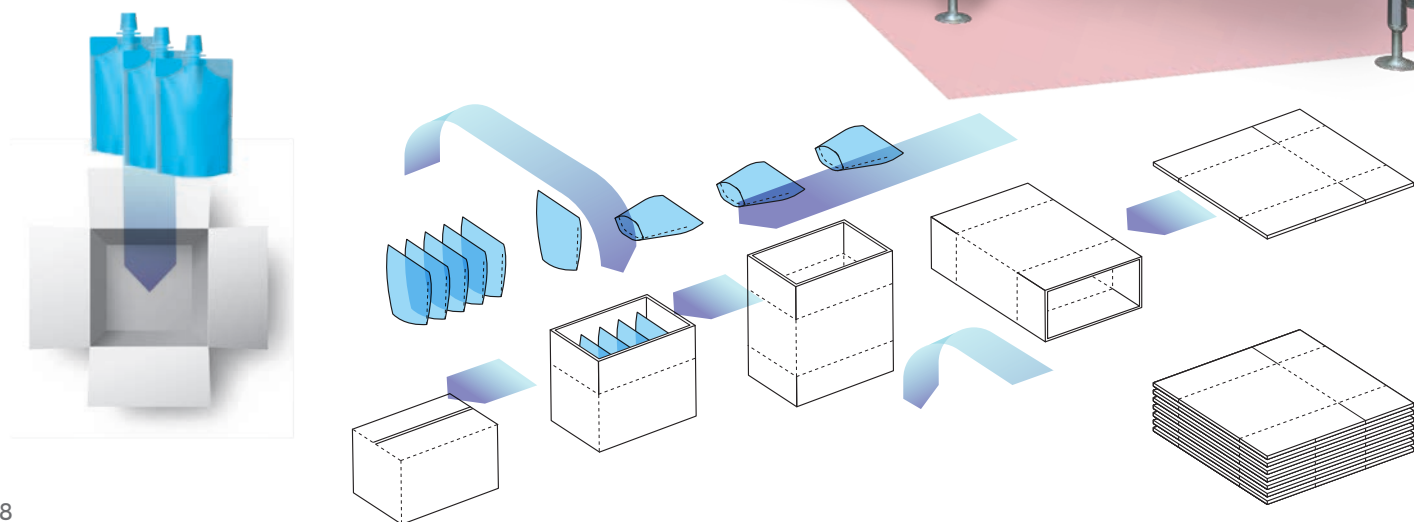
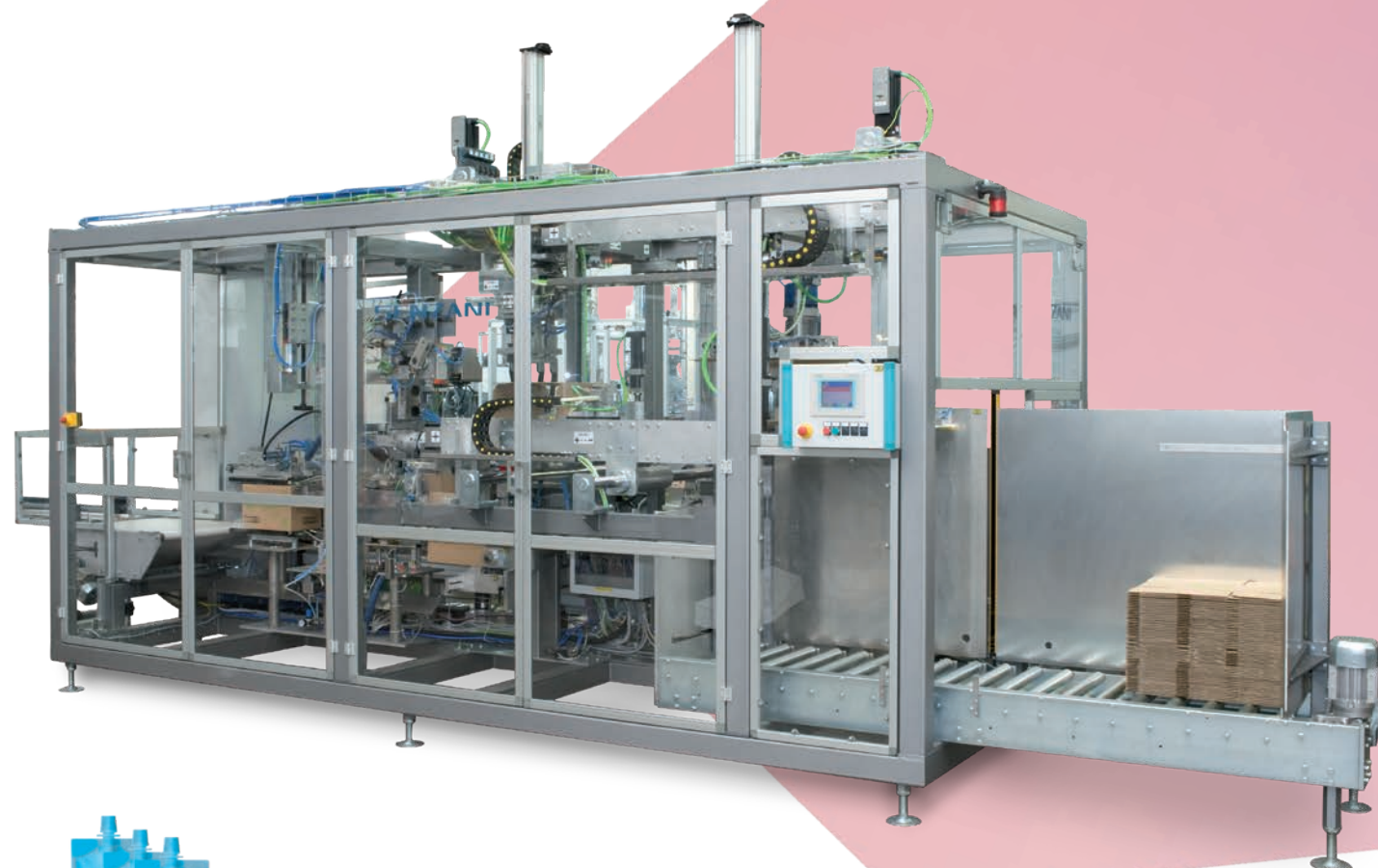
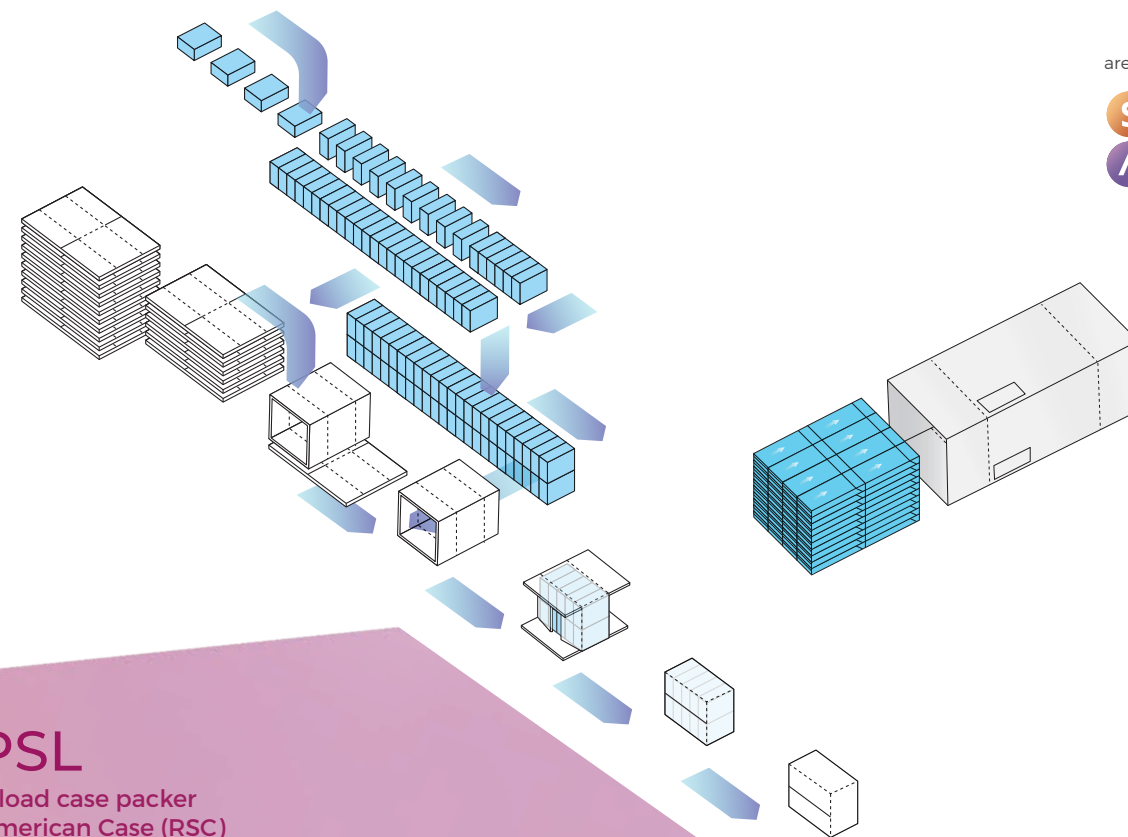
Tool-free technology for quick adjustments and format changes

Availability of all PLC platforms (Siemens, Allen Bradley, Schneider)

All machines are available with



Features:



CPSL

Side-load case packer for American Case (RSC)

Case dimensions

min. 300 x 200 x 450 H mm
max. 550 x 300 x 600 H mm



Features:

Capable of packing up to 25 cases/minute

Suitable for: cans, cartons, etc.

Custom infeed system depending on the product

Ergonomic vertical/horizontal magazine, suitable for a wide range of formats and grammages

Case closure by means of hot-melt glue or self-adhesive tape

Completely electronic machine, equipped with brushless motors

Compact and user-friendly layout, only requiring one single operator

Tool-free technology for quick adjustments and format changes

Availability of all PLC platforms (Siemens, Allen Bradley, Schneider)



SBNE

Vertical case packer

Case dimensions

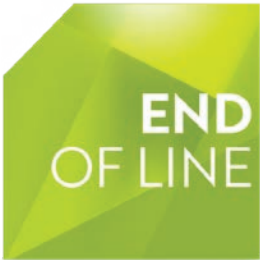
min. 350 x 210 x 220 H mm
max. 550 x 390 x 620 H mm

Features:

- Capable of packing up to 8 cases/minute
- Suitable for: regular-shaped packs (cartons, multipacks, bundles of pouches/cans, etc.)
- Extremely small footprint
- Wide range of product configurations inside the case
- Large-capacity ergonomic magazine, with vertical or double horizontal load
- Case closure by means of hot-melt glue or self-adhesive tape

- Completely electronic machine, equipped with brushless motors
- User-friendly layout, only requiring one single operator
- Vertical elevator for overhead case exit; optional lower-level case exit
- Possibility of integration with Track&Trace systems (product, case and consumables traceability), label printing and application systems and/or static case weighing systems

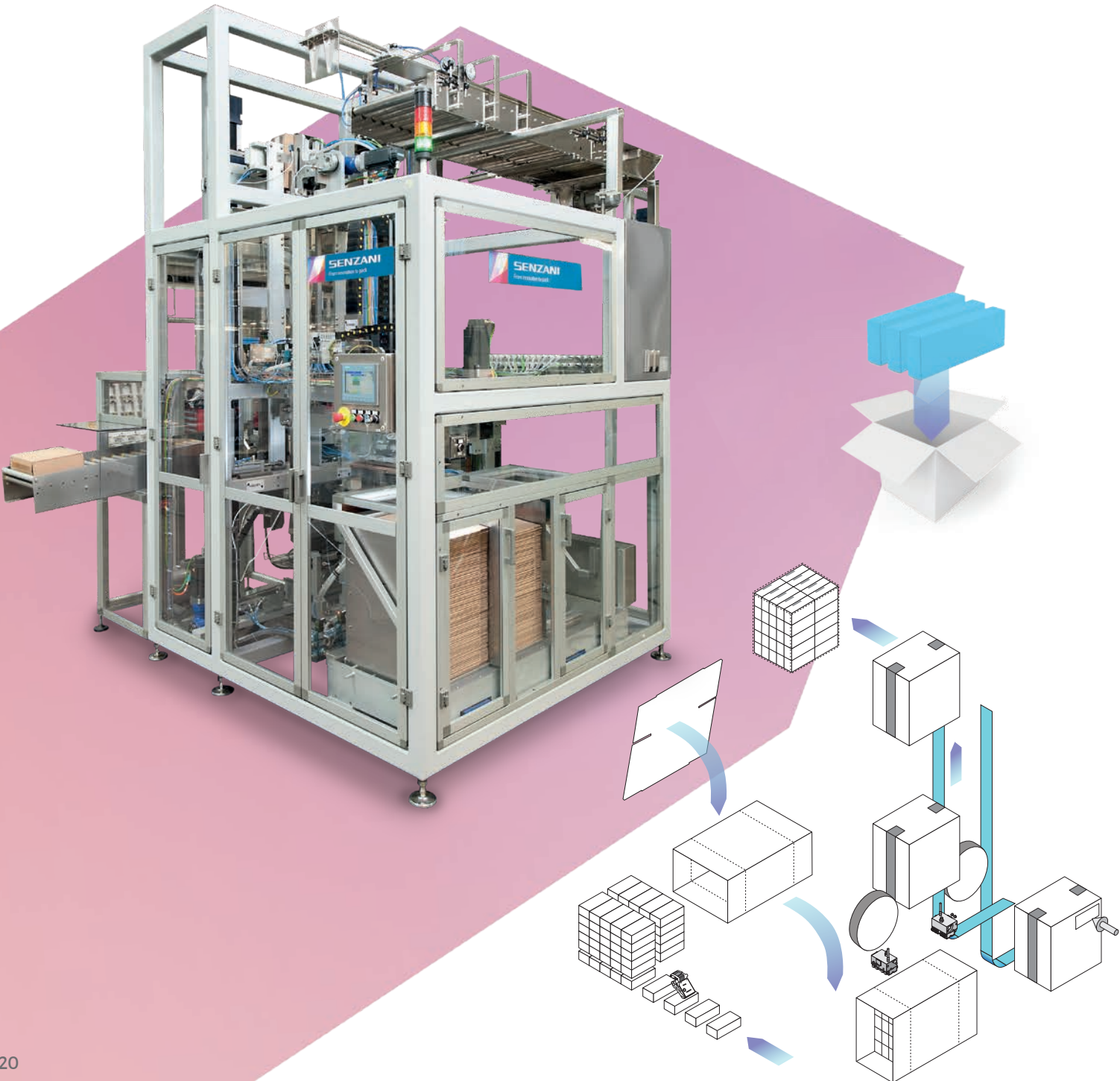
All machines are available with



End of Line

END-OF-LINE SOLUTIONS

Senzani's experience and know-how, resulting from over 70 years in the market, allow the company to offer customised solutions also in the fields of **end of line**, **loading of consumables** and **palletising**.



Stand-alone palletising systems or palletisers integrated in the secondary packaging equipment

Highly customisable layout

Depalletiser for loading of consumables and/or palletiser for end products

Custom picking heads designed by Senzani

Possibility of integration with third-party equipment such as stretch wrappers, rotary tables, marking and Track&Trace systems, AGVs and LGVs

Integration with tracing and production management systems (MES)

model	production speed
C-PAL	up to 30 cartons/minute up to 60 layers/hour up to 5 pallets/hour
PAL	10 robot picks/minute up to 50 cases/minute



C-PAL

Integrated case packer
and palletiser

Loaded pallet dimensions

min. 800 x 1000 x 1200 H mm
max 1000 x 1200 x 2000 H mm

Features:

Integrated case packing and palletising system via
dedicated robotic arm

Capable of packing up to 5 pallets/hour

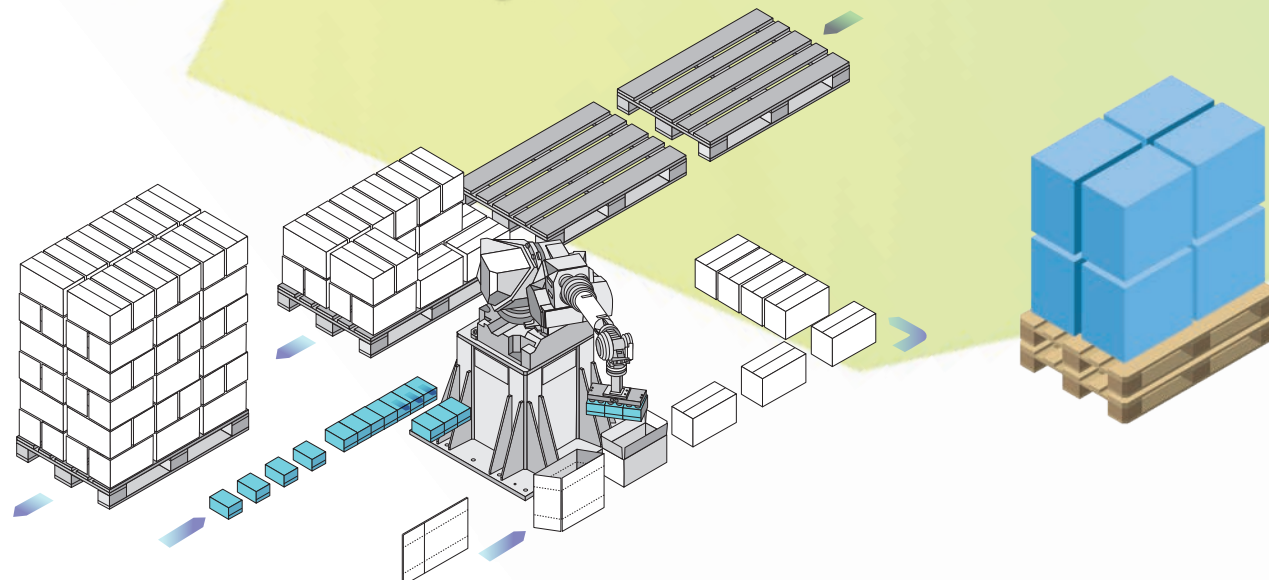
Infeed speed up to 30 cartons/minute

Highly customisable layout

Positive case opening and handling

Possibility of integrating magazines for empty pallets
and/or for interlayer sheets

Tool-free technology for quick adjustments and
format changes



All machines
are available with



All machines
are available with

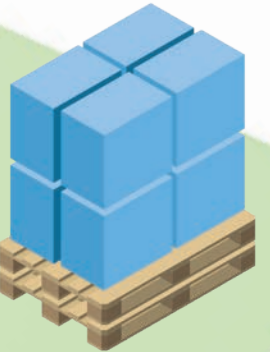


PAL

Palletiser

Loaded pallet dimensions

min. 800 x 1000 x 1200 H mm
max 1000 x 1200 x 2000 H mm



Features:

Stand-alone palletising systems or palletisers
integrated in the secondary packaging equipment

Anthropomorphic or Cartesian robot technology,
depending on requested performance

Highly customisable layout

Possibility of integrating magazines for empty pallets
and/or for interlayer sheets

Custom-designed grippers and picking heads to
guarantee product integrity

DE-PAL version with packaging material recovery
(empty cases, interlayer sheets, etc.)

Tool-free technology for quick adjustments and
format changes

Possibility of integration with third-party equipment
such as stretch wrappers, rotary tables, marking and
Track&Trace systems, AGVs and LCVs

Senzani After Sales

A Universe of Services

For Senzani, customer satisfaction is always a top priority. To ensure performances and maximum longevity of our machines, as well as efficiency and productivity of the plants in which they operate, Senzani provides a comprehensive After Sales service that allows us to support our customers in the best possible way and meet their specific needs.



24/7 assistance and remote support

Specialised technicians are available 24/7 to provide customers with a continuous and high-quality support service, minimising downtime. Senzani technicians are available through a remote assistance service and are able to reach the customers wherever they are.

Programmed preventive maintenance

In order to ensure high performances and long-term machine efficiency, we offer scheduled preventive maintenance and servicing. We arrange customised interventions to constantly monitor the machines' performances.



Original spare parts

Senzani guarantees availability of spare parts without time restrictions, both for new solutions and more outdated models. Original spare parts are manufactured according to rigorous quality standards, ensuring optimal performance and reliability over time.

Training

Senzani provides production assistance services and offers specific training to machine users on correct operation. A comprehensive and ongoing training is crucial to provide personnel with the necessary technical skills to ensure high productivity of the machines.

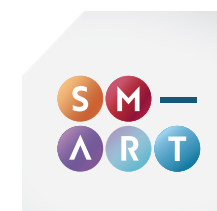


Upgrade and Revamping

Thanks to their high degree of flexibility and compatibility, Senzani solutions can be modified over time to meet customer needs and accommodate any market evolution. The implementation of new functions and technologies, component replacement and upgrades allow machines to be adapted to new formats and requirements.

Relocation

Senzani offers on-site machine modifications and overhauling services. Specialised staff members, specifically trained for machinery disassembling and re-assembling, are available to fulfil every request, including the relocation of machinery to sites other than the one they were first installed.



Smart

Senzani is at your side with SMART (Senzani Machine Analysis Remote Technology), the new platform that allows you to easily monitor the performance and productivity of Senzani machines directly from your PC, tablet or smartphone - wherever you are and at any time. Moreover, you can share data with Senzani technicians for ongoing remote support.

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