



SENZANI®

From innovation to pack

GENERAL CATALOGUE



We study flexible solutions to supply our customers with performing machines and increase their productivity.

SENZANI

From innovation to pack

STAGES OF HISTORY

1953

The first Senzani spaghetti cutter was born

1960

The first patents were granted: ongoing innovation

1966

S400: The first vertical cartoner running 400 cartons per minute was manufactured and is STILL IN PRODUCTION

1967

Russia: Senzani in the Conquest of eastern markets

1969

The first case packers were sold to the tobacco industry

Almost 60 years of experience at the service of innovation.

Senzani Brevetti S.p.A. has gone a long way from Iro Senzani's entrepreneurial genius and the success attained through the construction of its first machine in 1953 into becoming a well-known reliable player on the market. "We are studying flexible solutions to provide our customers with performing machines and increase their productive capacity".

Due to the Senzani family heirs' strong commitment and passion fundamental values linked with the whole company production have been consolidated. All the machines we produce and integrated solutions we offer are distinguished by product quality, flexible proposals, research and technological innovation, as well as customer orientation.

The progress made and the successes achieved over the past 59 years of its activity have enabled Senzani Brevetti to meet all its customers' demands by combining its own innovative insight with highly customised customer-tailored solutions.

1992

NPU: the revolutionary high-speed turret was patented
IVFB10: automatic size change-over in just 3 minutes. A record in vertical cartoning machines

1998

VHS18: The first cartoning machines for frozen foodstuffs with a 500 cpm output rate were built

2003

Our first 50 years: an iron obelisk is built at the entrance of our premises to mark our 50th anniversary

2006

Senzani enters the end-of-line automation market

Today

Our production: 50% cartoning machines, 30% case packers, 20% pick & place



VERTICAL CARTONERS



DISPLAY & TRAY PACKERS



CASE PACKERS & MANIPULATORS



SPECIAL APPLICATIONS

PRODUCT LINES

SENZANI
From innovation to pack

FOOD



FOOD



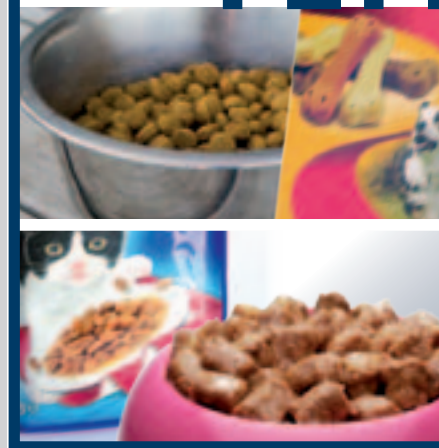
Pasta & Cereals
Confectionery
Coffee
Dairy and baby-food
Sauces & Spices
Frozen
Ready meals
Fruit puree, Drinks,
Smoothies
Sugar

SENZANI
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PET FOOD



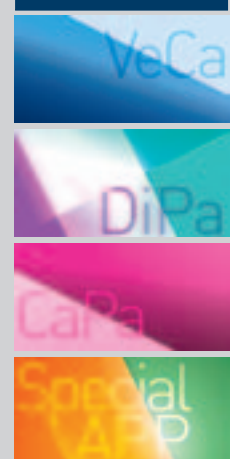
PET FOOD



Dry & Wet

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DETERGENTS



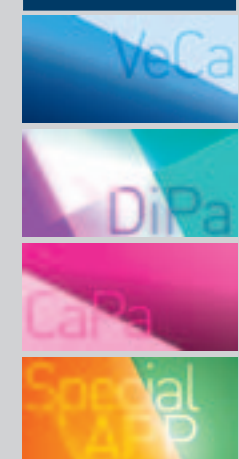
DETERGENTS



House hold
(detergent powder)
Personal care

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CHEMICALS



CHEMICALS



Wall paper
Cement
Paste
Cat litter

SENZANI
From innovation to pack

TOBACCO



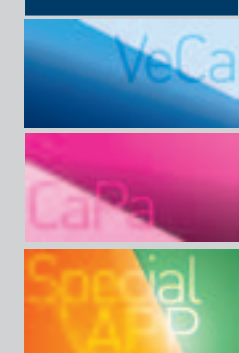
TOBACCO



Cigarette bundles

SENZANI
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AGRICULTURE



AGRICULTURE



Fertilizers
Seeds

SENZANI

From innovation to pack

PRODUCTS AND PATENTS

Automatic pre-glued cardboard carton forming and sealing machines vertically filling with loose or packaged product.

MODEL	SPEED
CM	UP TO 140 CPM
CM_BAG IN BOX	UP TO 60 CPM
CMX	UP TO 280 CPM
IVFS	UP TO 330 CPM
NHS	UP TO 550 CPM



CARTON SIZE

min. 60x30x140 H mm.
max. 310x120x330 H mm.

SPEED

140 cartons per min.

VERTICAL CARTONERS

FREE CHOICE OF FORMAT AT ANY SPEED

- flexible management of cartons: according to shape, size, dosage and closure
- a broad range of models that can cover all speed rates
- production of 1-600 cartons per minute
- carton opening management with patented solutions
- maximum layout design flexibility for a tailor-made construction of the facility
- continuous or index motion

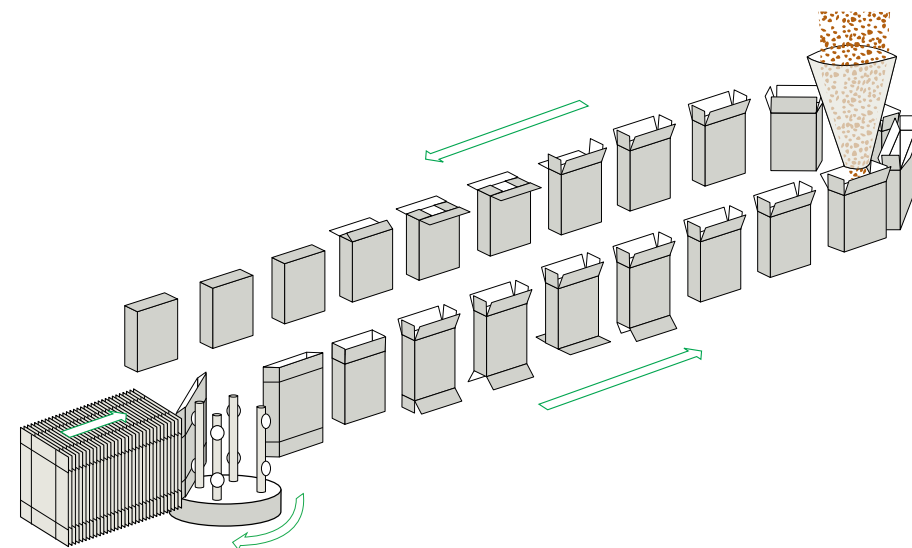
TECHNICAL FEATURES

- standard cartoning machine
- different dosing systems (volumetric, by weight, by counting, by augers)
- various types of closing systems (tuck-in, labyrinth, traditional)

CM

CMF

MACHINE WITHOUT FORMAT PARTS TO BE REPLACED



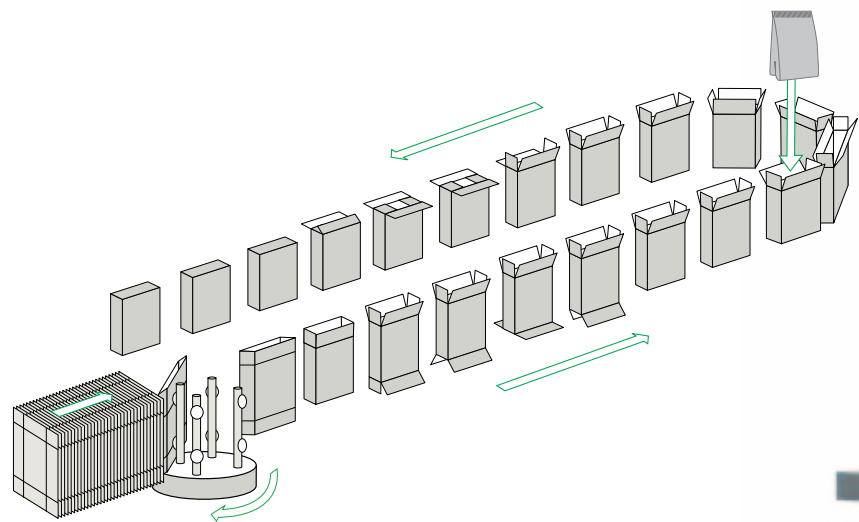
CM

9

8

TECHNICAL FEATURES

- various filling options: direct fill, bag-in-box for one or more bags, sachets, tubs, etc
- index or continuous motion. In case of index motion, single or double step mode
- various types of closing systems (tuck-in, labyrinth, traditional)
- flap-closing system after emergency stoppage



CM BAG IN BOX



CM
BAG IN BOX

10

VeCa

CARTON SIZE

min. 60x30x140 H mm.
max. 310x120x330 H mm.

SPEED

60 cartons per min.

CARTON SIZE

min. 90x30x140 H mm.
max. 290x145x400 H mm.

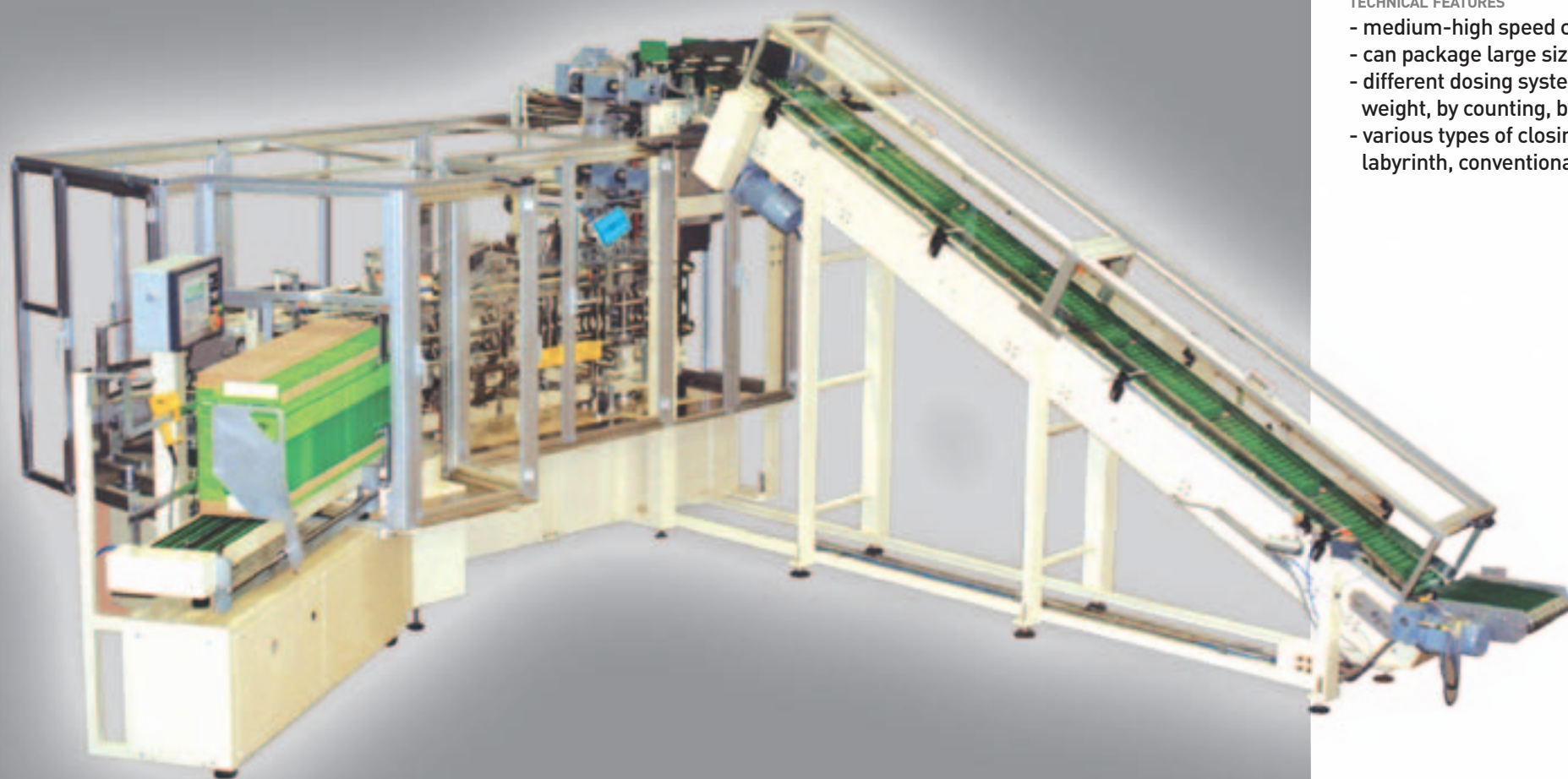
SPEED

280 cartons per min.

VeCa

CMX

11



TECHNICAL FEATURES

- medium-high speed cartoning machine
- can package large sized cartons
- different dosing systems (volumetric, by weight, by counting, by augers)
- various types of closing systems (tuck-in, labyrinth, conventional)

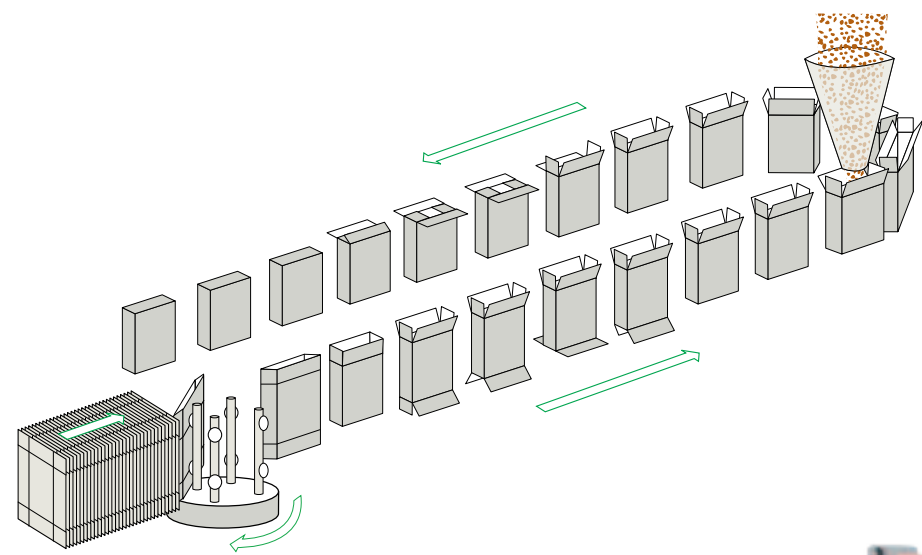
CMX

SPECIAL MODEL FOR LARGE FORMATS,
INTERFACED WITH SENZANI WEIGHERS



TECHNICAL FEATURES

- high speed cartoning machine
- patented NPU rotary turret to set-up cartons
- Available both in the volumetric and gravimetric versions



NPU TURRET

IVFS



IVFS

VeCa

CARTON SIZE
 min. 90x30x120 H mm.
 max. 300x145x390 H mm.
 SPEED
 330 cartons per min.

CARTON SIZE
 min. 100x30x140 H mm.
 max. 190x80x300 H mm.
 SPEED
 550 cartons per min.

VeCa

NHS

TECHNICAL FEATURES

- cartoning machine for very high speed output (up to 550 cartons per minute)
- main machine movements are servomotor driven
- patented NPU rotary turret to set-up cartons
- clean design

NHS

CLEAN DESIGN TO FACILITATE MACHINE CLEANING



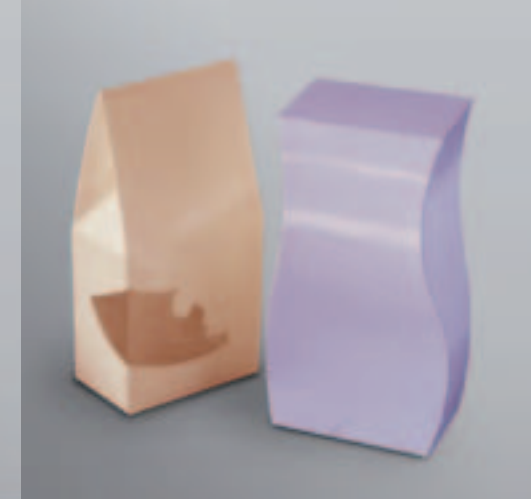
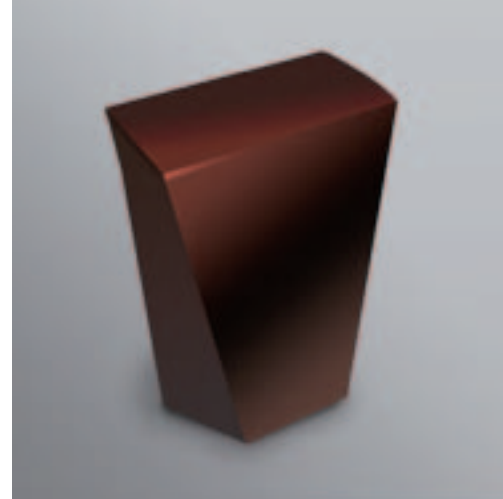


SPOUT APPLICATION

MECHANICAL AND ELECTRICAL INTEGRATION WITH SPOUT INSERTING MACHINES

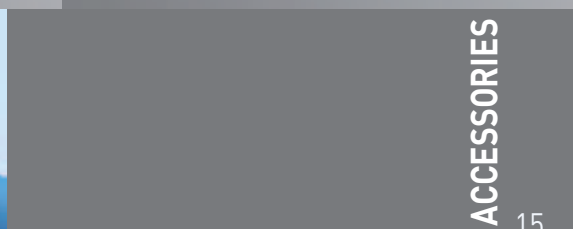
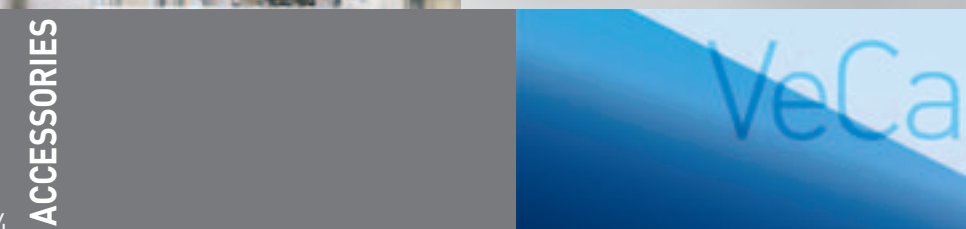
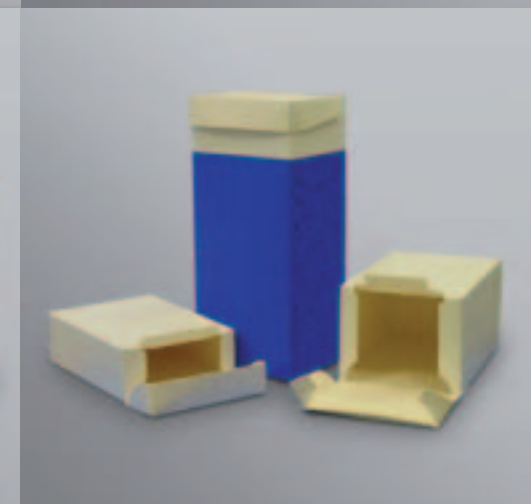
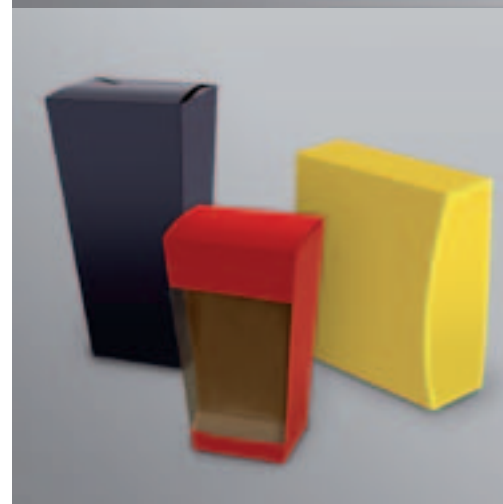
CUSTOMISING

SPECIAL SHAPED CARTONS
(FLIP-TOP, GABLE-TOP, TRUNKED PYRAMID CARTONS, HEXAGONAL CARTONS, CARTONS WITH WINDOWS, CARTONS WITH CONCAVE OR CONVEX SIDES, ETC)



GADGET/SCOOP INSERTION

- INSERTION OF VARIOUS OBJECTS BY MEANS OF CONVEYORS OR SUCHLIKES
- SCOOP INSERTING DEVICES FITTED WITH INDEPENDENT EXTRACTION SYSTEM AND STORAGE MAGAZINE

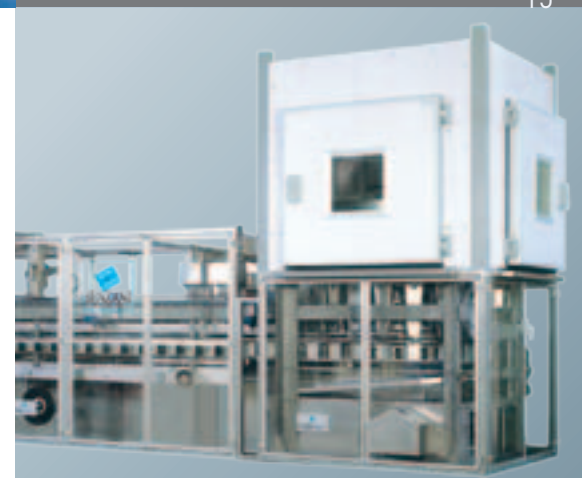


BE15

LINEAR WEIGHERS ENTIRELY DESIGNED, PROGRAMMED AND MANUFACTURED BY SENZANI

CUSTOMISING

FROZEN FOOD
MANUFACTURED USING SPECIAL COMPONENTS AND MATERIALS (IP65, STAINLESS STEEL) SUITED TO THE MAINTENANCE AND CLEANING REQUIREMENTS OF THE FROZEN FOOD INDUSTRY



PLASTIC TUB FILLING

- FULL HANDLING OF THE PROCESS FROM EXTRACTION OF THE TUB FROM MAGAZINE THROUGH FILLING UP TO TAPPING
- SPEED UP TO 60 CPM
- POSSIBILITY TO INTERFACE WITH MULTI-HEAD WEIGHERS, COUNTERS OR DIRECT LINK TO UP-STREAM MACHINE



Automatic forming, filling and sealing equipments starting from flat blank for **CARTONS, TRAYS, DISPLAYS, SLEEVES.**

Available in 2 different technologies:

- form and fill (TP)
- wrap-around (DP)

MODEL	SPEED
DP60	UP TO 150 CPM
TP40	UP TO 60 CPM



MAXIMUM FLAT BLANK
700x700 mm.
SPEED
up to 160 cpm



INTEGRATED
SOLUTIONS

DP60

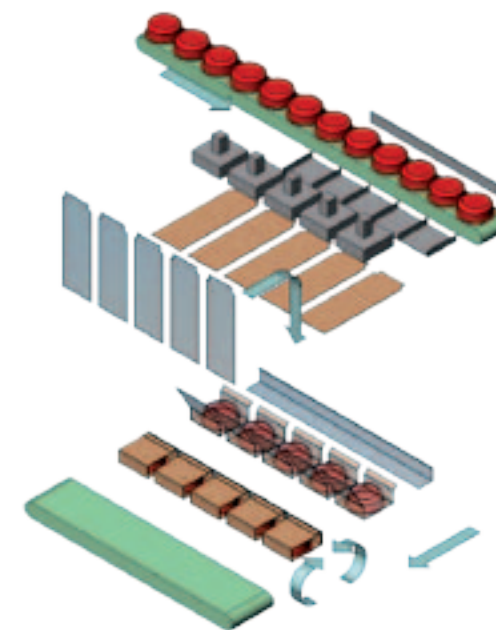
DISPLAY & TRAY PACKERS

- fully electronic machine, equipped with brushless
- large capacity, tilted carton magazine
- compact footprint
- handling of irregular shaped products (both in vertical and horizontal position)

TECHNICAL FEATURES

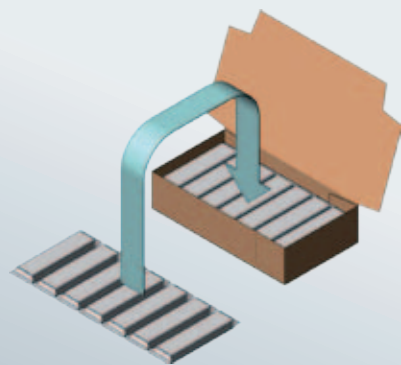
- compact layout
- different packaging styles (cartons, trays/displays, sleeves)
- wide range of product handling (capsules, cubes, chocolates, flow-packs...)
- available with single or multiple forming station

DP-SERIES



TECHNICAL FEATURES

- compact layout
- handles different formats (vertical - horizontal)
- available with TL2 or TL3 arm or with simple side movement
- available with single or double forming station



INTEGRATED FORMING, FILLING AND SEALING SYSTEM

TP-SERIES

Wrap-around, side-load and top-load case packers for the introduction of products in shipping cases (American case, wrap-around flat blanks, etc).

MODEL	SPEED
WA25	UP TO 25 CPM
CP25_TL	UP TO 20 CPM
CP25	UP TO 25 CPM
CASE ERECTOR FILLING STATION CASE CLOSING	UP TO 15 CPM
WA12	UP TO 10 CPM
CP12	UP TO 10 CPM
CP12_TL	UP TO 10 CPM



MAXIMUM FLAT BLANK

750x750 mm.

SPEED

up to 120 cpm



CASE PACKERS & MANIPULATORS

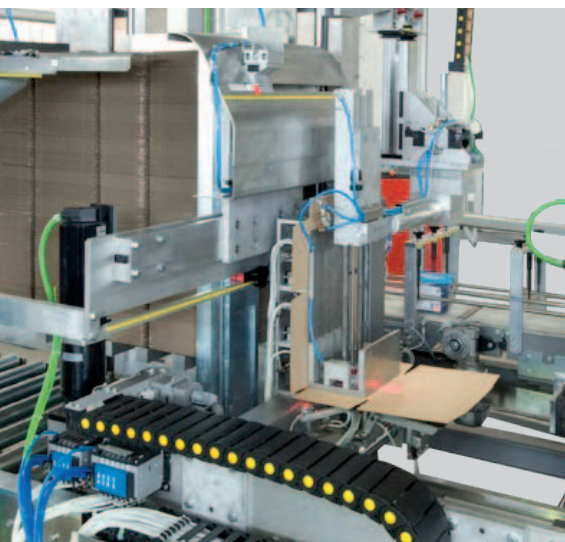
- modular and specular design
- positive case opening
- lateral, lower or upper arms, fitted with multiple suction cups, to move the cases inside the machine
- increased operator access for interventions
- fully electronic machine equipped with brushless
- low level, large-capacity, horizontal carton magazine for easy loading, adjustable at format changeover
- photocell control of proper carton closing
- outfeed photocell that counts properly closed cases

TECHNICAL FEATURES

- Infeed system is dedicated and custom built according to the product that has to be packed (doypack pouches, trays, cartons, etc)
- Case flat blank magazine fitted with quick size changover facilities to guarantee fast and intuitive change overs
- Sealing system: hot melt
- Larger case magazine and therefore greater loading autonomy



BLANKS WHICH CAN BE HANDLED



WA25



WA25

CaPa

CASE SIZE

min. 250 x 150 x 200 H mm.
max. 600 x 400 x 450 H mm.

SPEED

max. 25 cases per min.

CASE SIZE

min. 250 x 150 x 200 H mm.
max. 600 x 400 x 450 H mm.

SPEED

max. 20 cases per min.

CaPa

INTEGRATED SOLUTIONS

CP25_TL

20



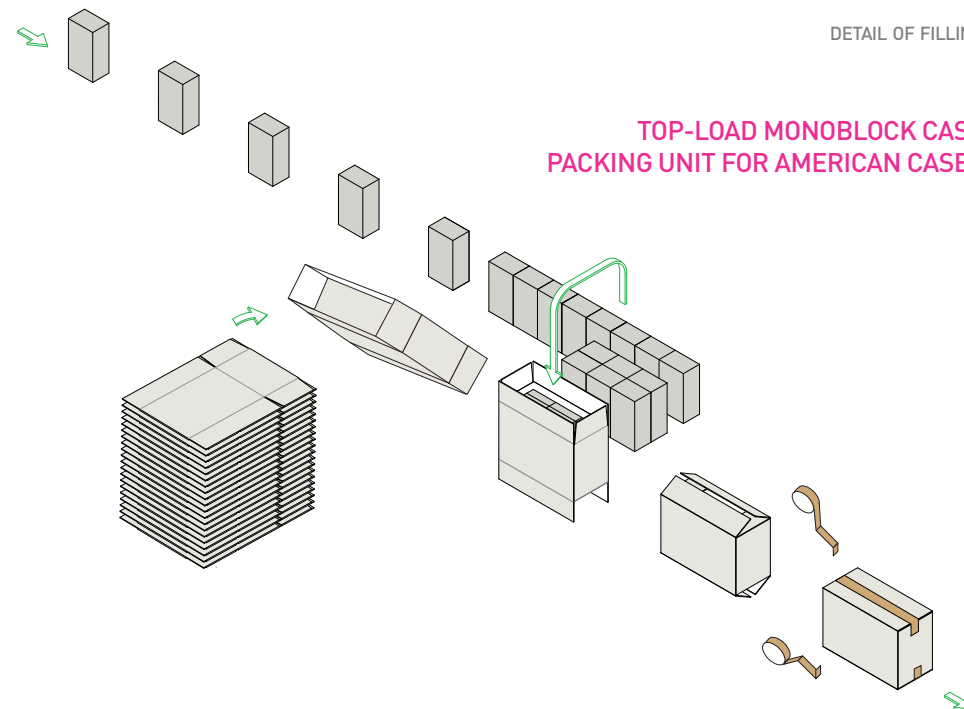
TECHNICAL FEATURES

- compact layout
- positive carton opening
- hot melt or self adhesive tape sealing system
- magazine with a large load capacity

CP25_TL

DETAIL OF FILLING

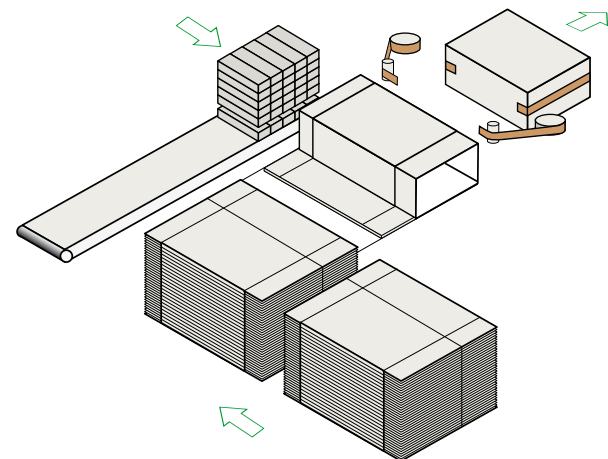
TOP-LOAD MONOBLOCK CASE PACKING UNIT FOR AMERICAN CASES



21

TECHNICAL FEATURES

- positive opening
- in-house designed and manufactured taping units
- horizontal machine
- greater loading convenience
- sealing systems: hot melt, self adhesive tape
- larger case magazine and therefore greater loading autonomy



CP25

CP25

22

CaPa

CASE SIZES

min. 250x150x200 H mm.
max. 600 x 400 x 450 H mm.

SPEED

25 cases per min.

CASE SIZES

min. 200 x 150 x 150 H mm.
max. 600 x 400 x 400 H mm.

SPEED

up to 15 cases per min.

CaPa

MODULAR SOLUTION

CASE ERECTOR
FILLING STATION
CASE CLOSING

23



TECHNICAL FEATURES

- positive case opening
- possibility to simultaneously fill multiple cases
- infeed product speed of more than 200 ppm
- hot-melt or adhesive tape sealing system

CASE ERECTOR
FILLING STATION
CASE CLOSING

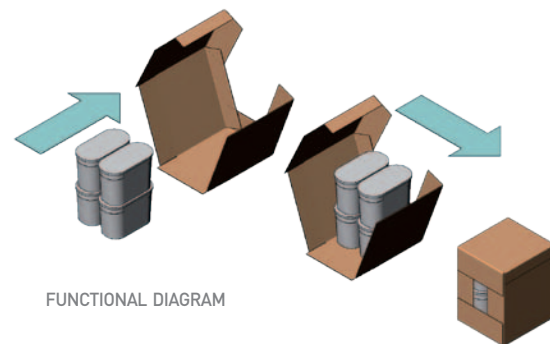


SPECIAL APPLICATION
FOR TUBES IN TRAY AND LID

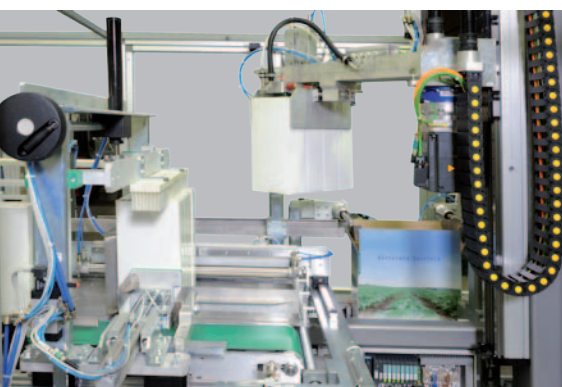


TECHNICAL FEATURES

- Infeed system is dedicated and custom built according to the product that has to be packed (doypack, pouches, trays, cartons, etc)
- sealing systems: hot melt, self adhesive tape
- compact layout
- positive carton opening



Senzani Brevetti has developed and patented (brevetti), in its long history, a huge amount of applications. The next section is mainly dedicated to the Tobacco sector, where Senzani has been leader for the last forty years with over two-thousand tailor-made machines installed.



WA12
CP12
CP12_TL

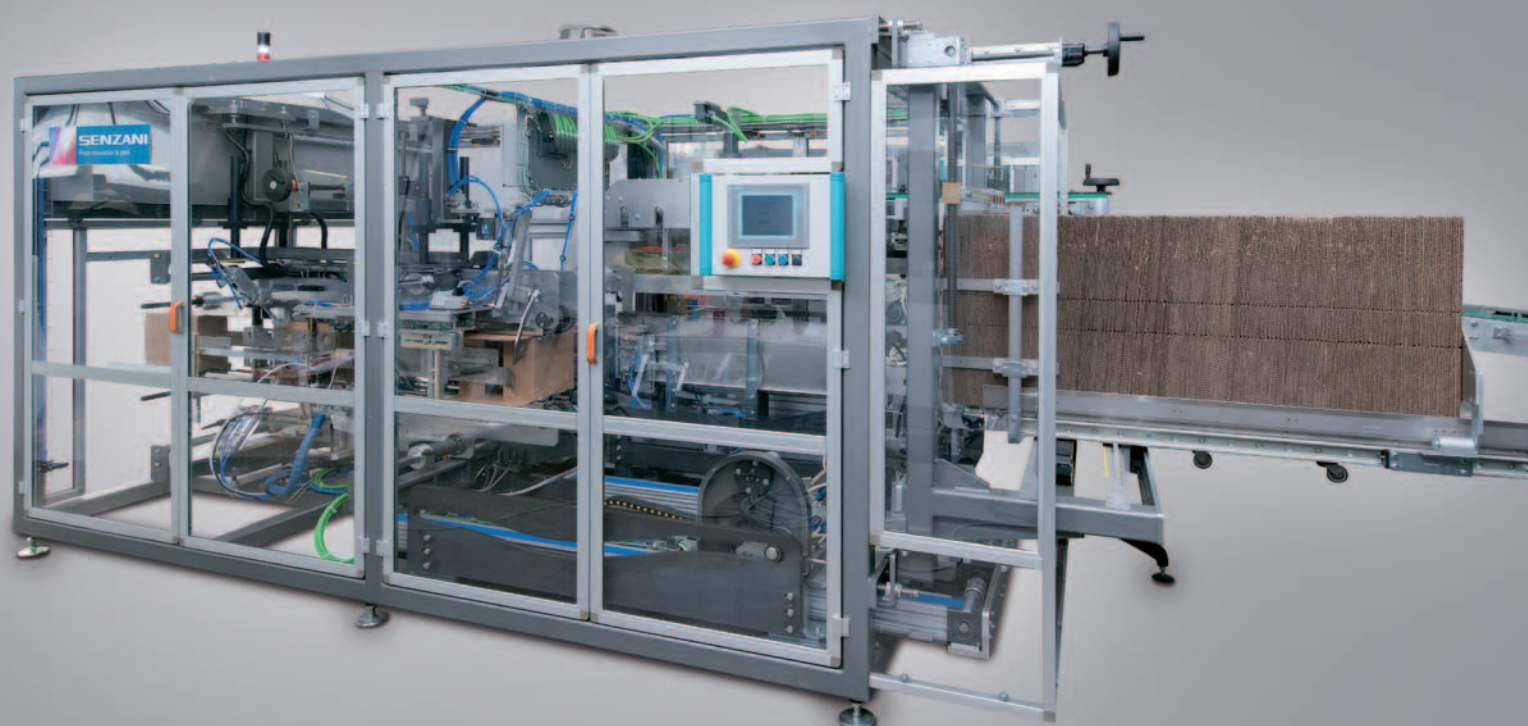
WA12
CP12
CP12_TL

CaPa

CASE SIZE
min. 250x150x200 H mm.
max. 600x400x450 H mm.
SPEED
max 10 cases per min.

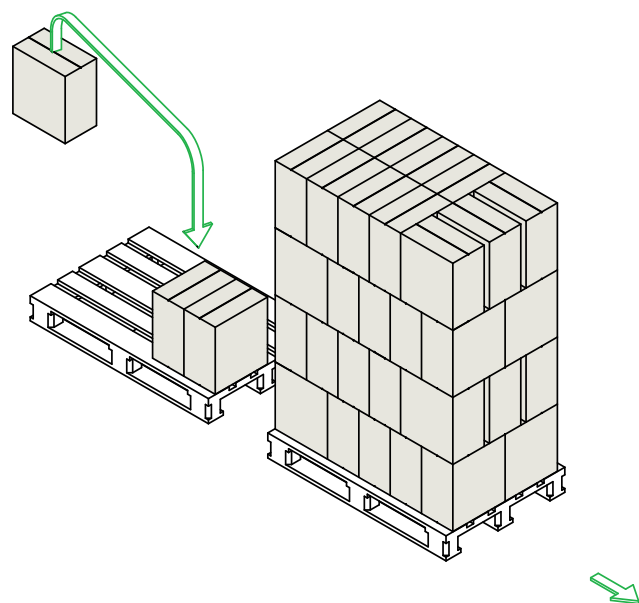
Special
APP

SPECIAL
APPLICATIONS



TECHNICAL FEATURES

- handles one or more palletising stations
- handles one or more product infeed points
- empty pallet magazine and handling
- layer-pad magazine and handling
- handles all pallet sizes (800x600, 800x1200, 1000x1200, etc)
- suction-cup picking head, side paddles unit or other devices



DETAIL OF BOX PALLET

RP PALLETIZERS



PALLETISING H. (INCLUDING PALLET) **2 m.**
 LOAD CAPACITY **80 Kg. without picking head**
 SPEED
10 cycles per min.



SPEED
10 cycles per min.

INTEGRATED SYSTEM
 OF CASE PACKING
 AND PALLETIZING

RP

26

27



TECHNICAL FEATURES

- compact footprint
- positive case opening and handling
- case-packing and palletization through SCARA robotic arm (same picking head)
- possibility to integrate SENZANI automatic empty pallet magazine

VERTICAL CARTON PALLET

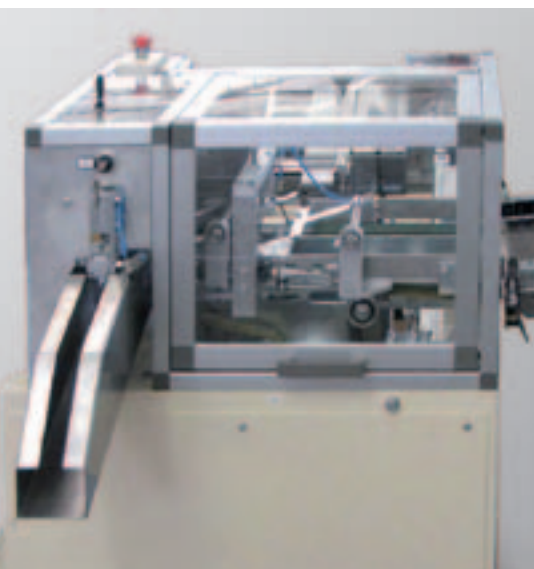


AUTOMATIC EMPTY
PALLET MAGAZINE

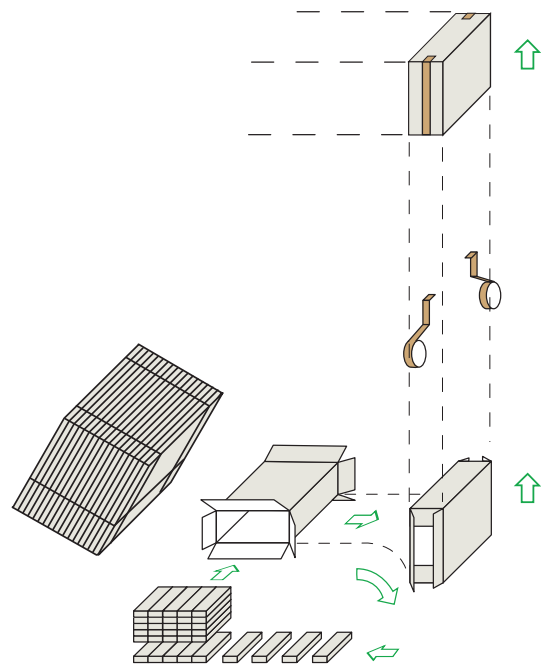


TECHNICAL FEATURES

- positive case opening
- in-house manufactured taping units
- vertical machine
- compact layout
- possibility of top or floor-level outfeed
- sealing systems: hot melt, self adhesive tape, gummed paper



CLEAR WRAP LABELLING
LABELLING MACHINE FOR INDIVIDUAL
CELLOPHANE-WRAPPED CARTONS



SBNE



SBNE

TOBACCO



CASE SIZES

min. 350x210x220 H mm.
max. 550x390x620 H mm.

SPEED

6,4 cases per min. / 160 cartons per min.

CASE SIZES

min. 320x230x260 H mm.
max. 600x400x600 H mm.

SPEED

6 cases per min.



TOBACCO

S2000



TECHNICAL FEATURES

- positive opening
- in-house designed and manufactured taping units
- horizontal machine
- greater loading convenience
- sealing systems: hot melt, self adhesive tape
- larger case magazine and therefore greater loading autonomy

S2000

S2000 DPL – DIRECT PALLET LOADING

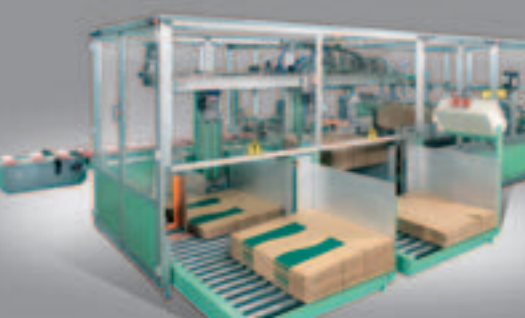
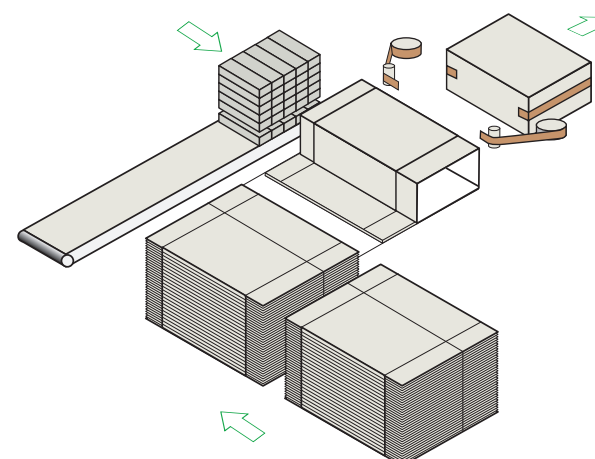
DIRECT LOADING OF THE CASE
MAGAZINE USING LASER GUIDED VEHICLES

S2000 TPL – TRANS PALLET LOADING

DIRECT LOADING OF THE CASE
MAGAZINE USING PALLET JACKS

**S2000 D – DUAL MAGAZINE
DUAL INFED**

MANAGES TWO DIFFERENT BRANDS
WITH THE SAME SIZES
(CARTON – CASE)



The continuous growth and expansion of the logistics sector has led Senzani to create highly automated distribution systems that can handle approximately 180.000 cartons of cigarettes per hour (equal to 3.000 cartons per minute) and to design solutions for cosmetic and pharmaceutical products.

Senzani designs and manufactures all high-technology components: the "picking" system, capable of handling everything from the individual packaging of one product to the preparation and automatic labelling of cartons with multi-brand products. Senzani automation leads to cost reductions and to the almost total elimination of errors in order preparation.

CABINETS

AUTOMATIC RAPID DISTRIBUTION OF HIGH-TURNOVER BRANDS WITH PRODUCT INCOMING DIRECTLY FROM THE CASE-OPENER.



CASE
OPENERS

LOGISTICS



LOGISTICS

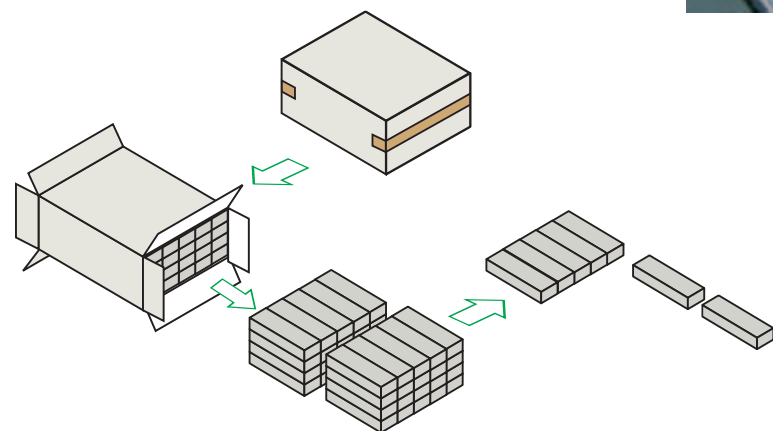
H-FRAME

TECHNICAL FEATURES

- the case opening speed is over 6 cases per minute and the degree of automation is very high

CASE OPENERS

AUTOMATIC OPENING SYSTEM FOR CIGARETTE CASES AND PLACING OF BUNDLES IN ROWS ON THE CONVEYOR BELTS.

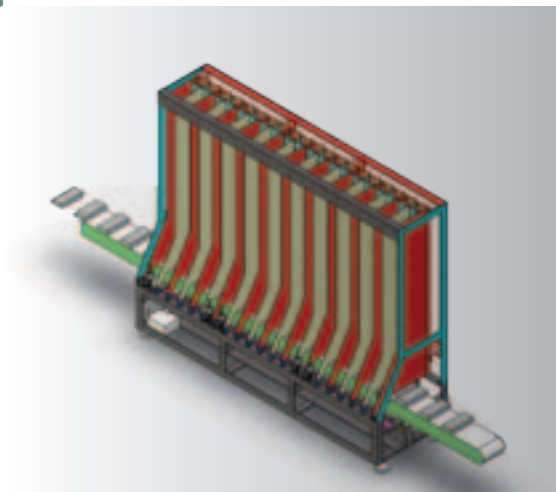


TECHNICAL FEATURES

- handles up to 15.000 cartons per hour
- ordered product positioning without hold-ups, thanks to the use of special separators on the conveyor
- delicate and accurate product handling for distribution and transportation along the line
- perfect synchronism between the various machines along the distribution line
- modular and flexible solutions to meet different customer needs

H-FRAME

EXCLUSIVE SENZANI PATENT TO DISTRIBUTE LOW-TURNOVER BRANDS BASED ON THE ORDER; THE OPERATOR NEED ONLY KEEP THE CHANNELS FULL.



CONTENT CONTROL

CONTROL SYSTEM OF SEALED CONTENT



NPU

POSITIVE CARTON OPENING SYSTEM SUITABLE OF HANDLING LOW WEIGHT DIE CUT CARTONS AT EXTREMELY HIGH SPEEDS



Joining the Senzani world also means counting upon a full after sales service:

Unlimited time spare parts service

We guarantee spare parts availability irrespective of the year of production of your machine. No expiry date is foreseen either for the solutions produced or the related spare parts.

24/7 assistance service

Round-the-clock service is provided upon request at the customer's site by our qualified engineers and technicians, who are available 24 hours a day, 7 days a week.

Remote servicing

To optimise troubleshooting service a technician/engineer is always on duty on the company hotline to help you minimise downtime.

Ordinary and extraordinary maintenance

Our machines are so easy to use that our customers can perform ordinary maintenance by themselves. Senzani engineers can be addressed to perform extraordinary maintenance of the Senzani products literally anywhere in the world.

Overhauling modifications

Overhauling service or machine modifications can also be performed at the customer's site.



The Company possesses over 40 patents filed in Europe; it also has patents in the United States.

PATENTED INNOVATION

SCS SENZANI CUSTOMER SERVICE

DOUBLE VOLUMETRIC SYSTEM

SUBSTANTIAL VOLUME RANGE INCREASE WITHOUT HAVING TO REPLACE CUPS



NEW TYPE OF INTERFACE WITH MULTI HEAD WEIGHERS

INTERFACE ARCHITECTURE WITH MULTI HEAD WEIGHTERS ENABLING THE INSTALLATION TO INTEGRATED WITH UP TO 3 WEIGHTERS ON A SINGLE CARTONING MACHINE



All the advantages of a reliable partner for a full range of services aiming to optimise machine performance and life cycle duration.

→ RESEARCH AND DEVELOPMENT

This department focuses on research and development of new technologies to produce innovative solutions.

→ TECHNICAL SKILLS

The mechanical and electronic engineering department focuses on the integrated planning of solutions that may guarantee maximum flexibility within short response time.

→ ADVICE

A team of expert technicians and engineers listens to the customers' real demands and is ready to provide customer-tailored turnkey solutions.

→ ONE CONTACT PERSON

Full internal project management, from the conception to the testing of the project. One contact person will provide full guidance to the customer through each stage of the project.



