



SENZANI®

From innovation to pack

GENERAL CATALOGUE



*We study flexible solutions to provide
our Customers with performing machines
and lines to safely increase their productivity.*

SENZANI

From innovation to pack

MILESTONES

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 performing 400 cpm, S400, 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 50th anniversary

2004

start of a cooperation with a multinational coffee capsule leader

2013

a year of events and a video-storytelling to celebrate the 60th anniversary

2015

2 Turn key secondary packaging projects in green field for tea (bag in box) and detergent – total of 30 machines

2016

complete turn key solution in a green field project for stock cubes - 21 machineries with 10 patents request

today

supplying complete lines, Senzani reinforces the presence on the global market

When innovation meets tradition

Senzani Brevetti's history is made of passion, genius and innovation. The best characteristics of Italian entrepreneurial attitude were embodied by Iro Senzani, who founded the business in 1953.

The story begins with the prototype of an automatic machine for pasta. The third generation of the family, currently managing the business, still develops new ideas and technology and produces automatic primary and secondary packaging machines, complete lines and end-of-line solutions for the global market.

Tradition and innovation come together, complying with the funder's entrepreneurial spirit. Iro Senzani's ideas and dreams produced a 100% Italian entity, deeply rooted in the local territory that still puts an ethical approach into practice.



VERTICAL CARTONERS



DISPLAY & TRAY PACKERS



CASE PACKERS & MANIPULATORS



PALLETIZERS & OTHERS

PRODUCT LINES



Food

- Cereals/dried fruit
- Confectionery and sugar
- Dairy
- Pasta
- Ready meals
- Fruit puree/drinks/smoothies
- Sauces/spices/salt
- Frozen



Tea & Coffee

- Coffee
- Tea



Agriculture & Chemicals

- Cement
- Glue
- Fertilizer
- Cat litter
- Seeds
- Paste



Personal Care & Detergents

- Home care
- Personal care



Pet Food

- Dry
- Wet



Tobacco

- Loose
- Cigarette Bundles

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PRODUCTS

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



VeCa

CARTON SIZE
min. 60x30x140 H mm.
max. 310x120x350 H mm.
SPEED
140 cartons per min.

VeCa

CM

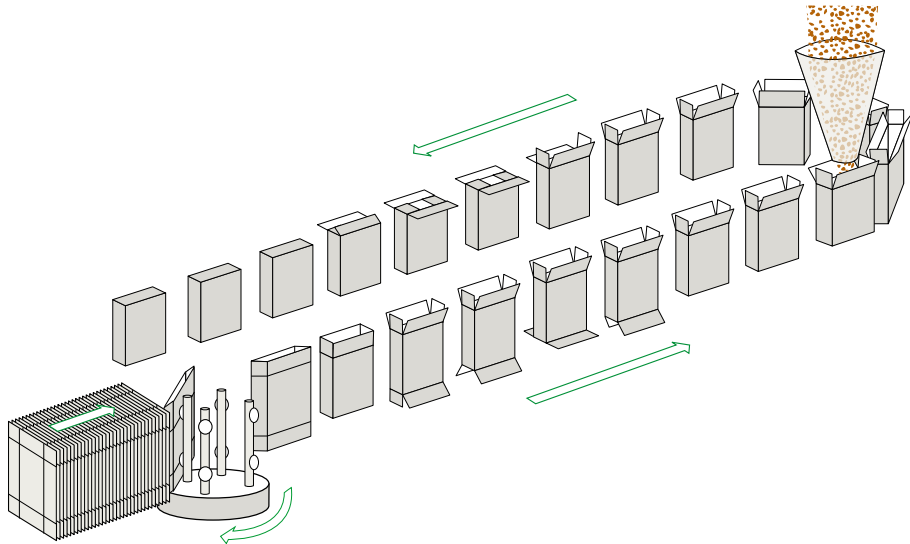
VERTICAL CARTONERS

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

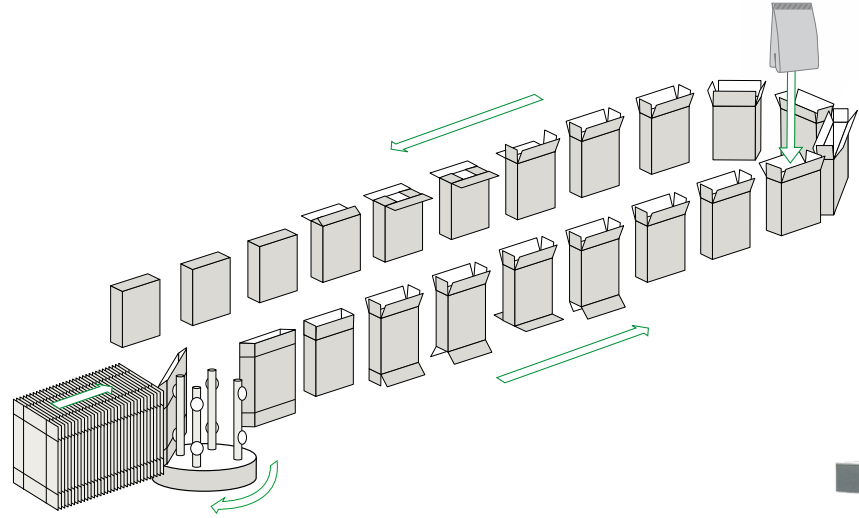
- TECHNICAL FEATURES
- standard cartoning machine
 - different dosing systems (volumetric, by weight, by counting, by augers)
 - various types of closing systems (tuck-in, labyrinth, traditional)

CM



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

VeCa

CARTON SIZE
min. 60x30x60 H mm.
max. 310x120x350 H mm.
SPEED
60 cartons per min.

VeCa

CARTON SIZE
min. 90x30x140 H mm.
max. 290x145x400 H mm.
SPEED
280 cartons per min.

CMX

SPECIAL MODEL FOR LARGE FORMATS,
INTERFACED WITH SENZANI WEIGHERS

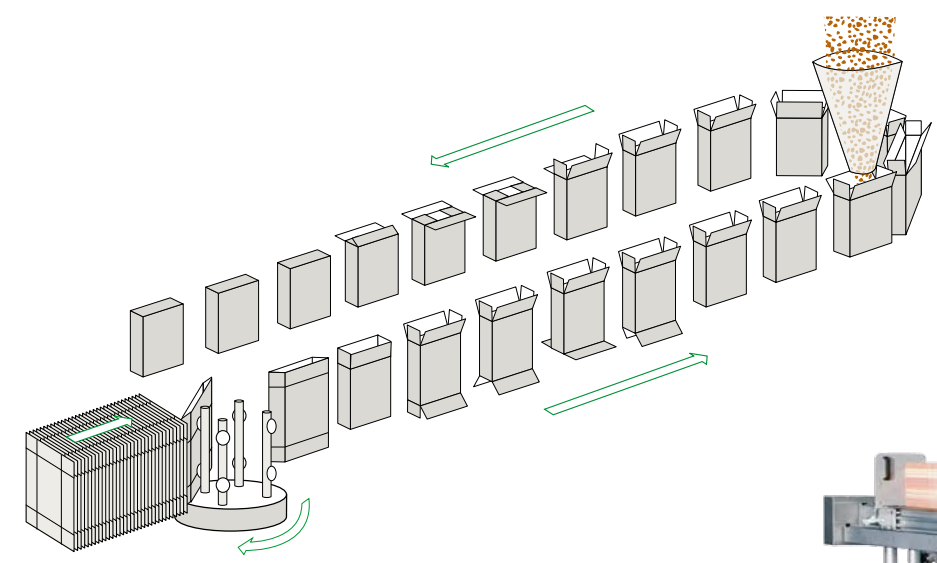
TECHNICAL FEATURES

- 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

- 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.

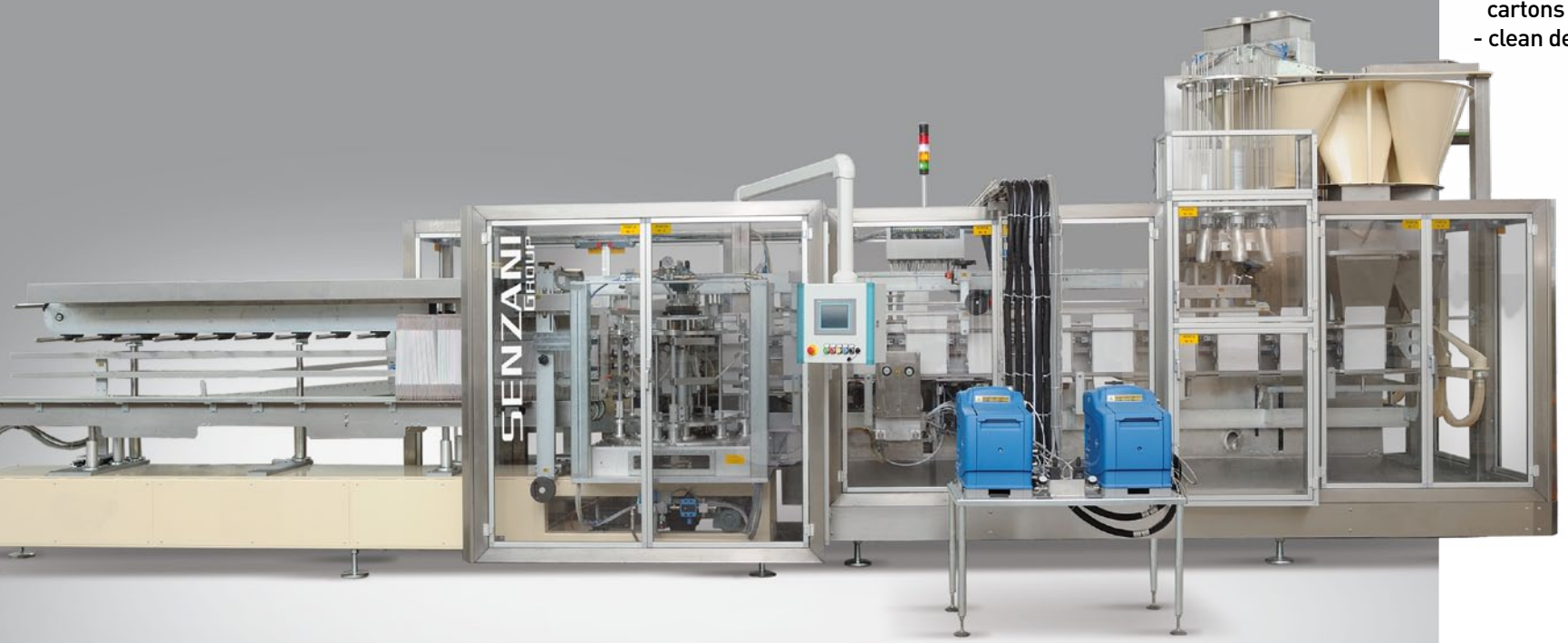
VeCa

NHS

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

CLEAN DESIGN TO FACILITATE MACHINE CLEANING





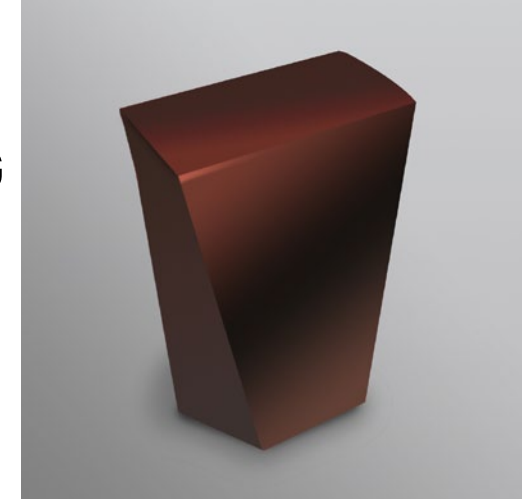
SPOUT APPLICATION

MECHANICAL AND ELECTRONICAL INTEGRATION WITH SPOUT INSERTING MACHINES

CUSTOMISING

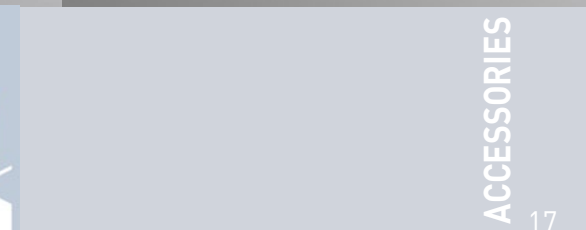
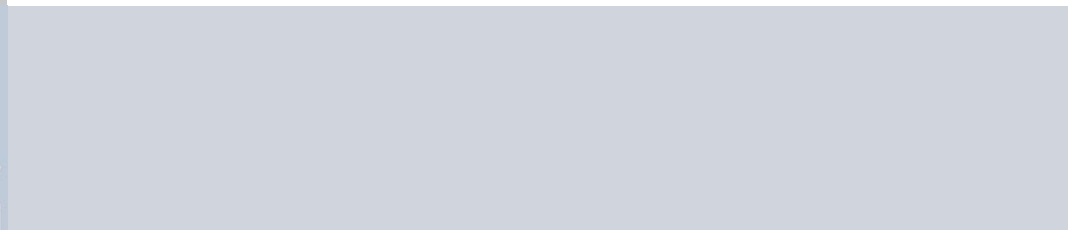
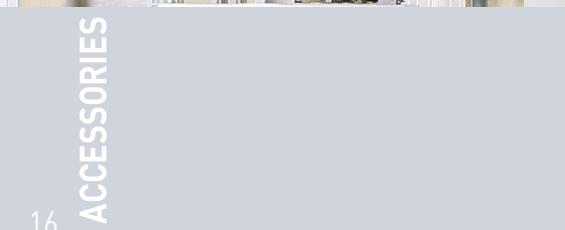
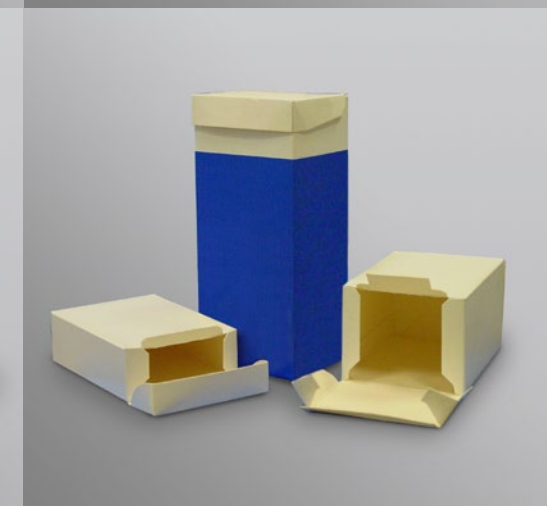
SPECIAL SHAPED CARTONS

(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



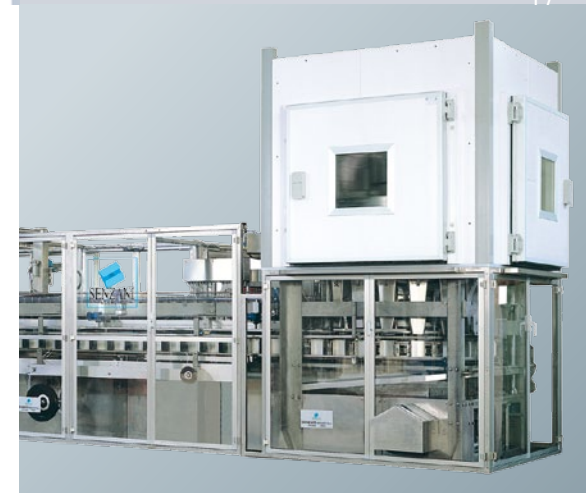
BE15

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
DP25	UP TO 60 CPM
TP40	UP TO 120 CPM



DiPa

MAXIMUM FLAT BLANK
700x700 mm.
SPEED
up to 60 cpm

DiPa

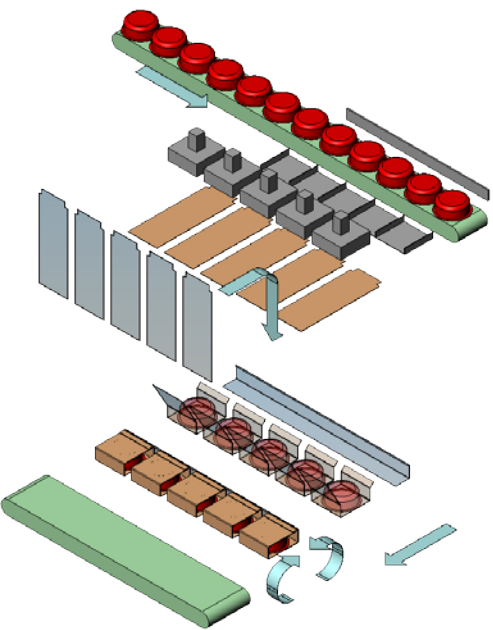
INTEGRATED
SOLUTIONS

DP25

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

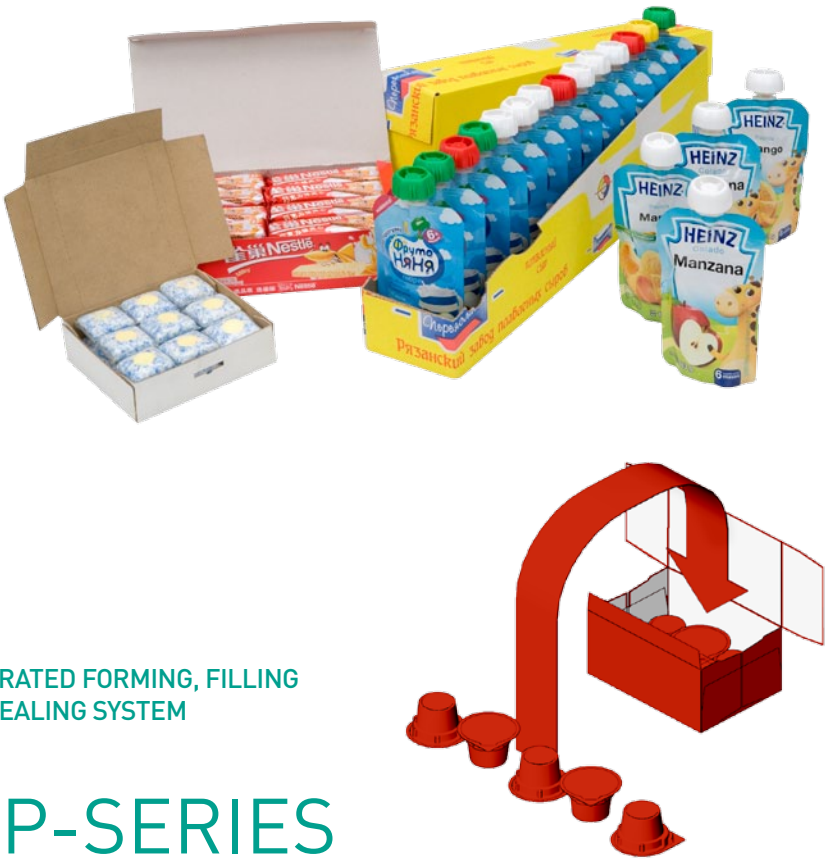


- TECHNICAL FEATURES
- compact layout
 - handles different formats (vertical - horizontal)
 - available with TL2 or TL3 arm or with simple side movement
 - available with single or double forming station



INTEGRATED FORMING, FILLING
AND SEALING SYSTEM

TP-SERIES



TP40

DiPa

MAXIMUM FLAT BLANK
750x750 mm.
SPEED
up to 120 cpm

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
CP12	UP TO 12 CPM
CP12_TL	UP TO 12 CPM
WA12	UP TO 12 CPM
SBNE	UP TO 10 CPM

CaPa



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.

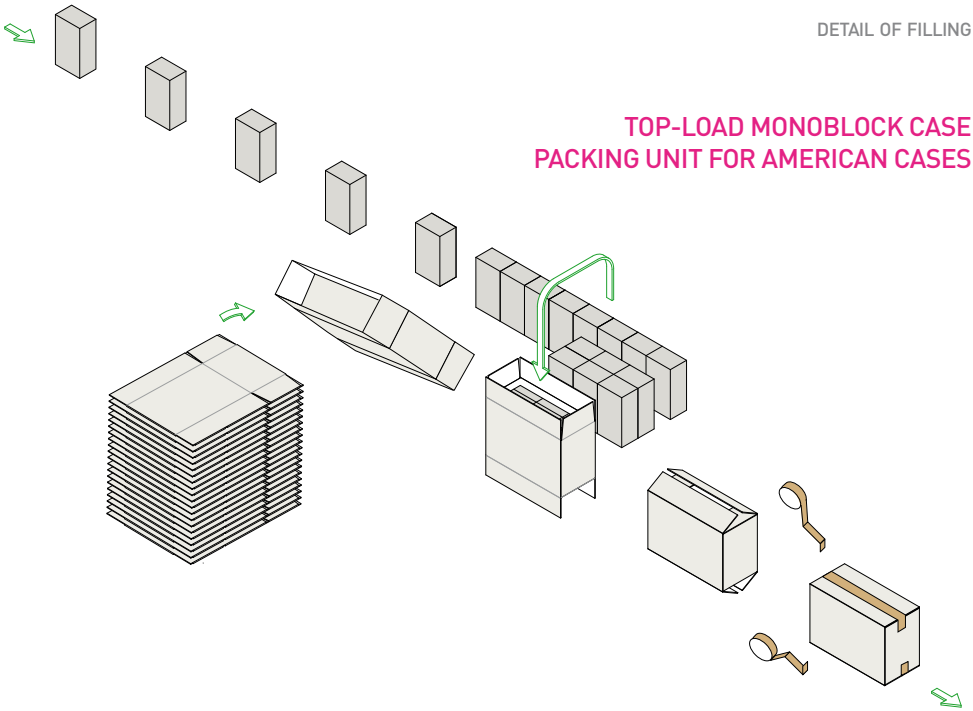
CaPa

INTEGRATED
SOLUTIONS

CP25_TL

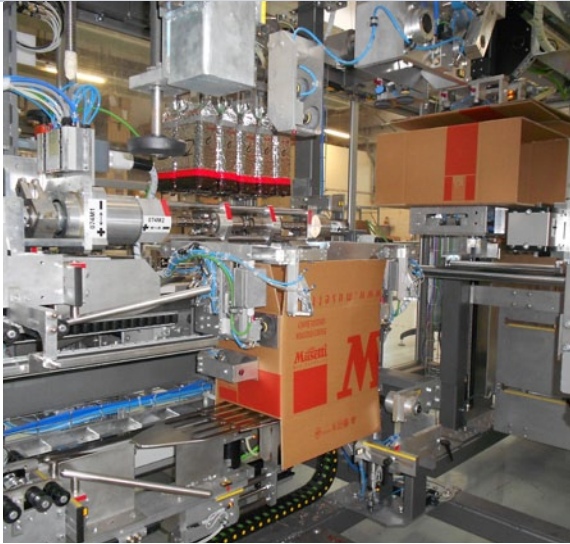


- TECHNICAL FEATURES
- compact layout
 - positive carton opening
 - hot melt or self adhesive tape sealing system
 - magazine with a large load capacity

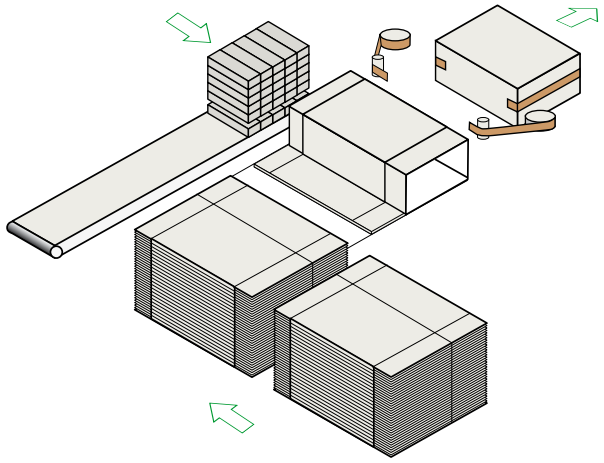


DETAIL OF FILLING

TOP-LOAD MONOBLOCK CASE
PACKING UNIT FOR AMERICAN CASES



- 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

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



- 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

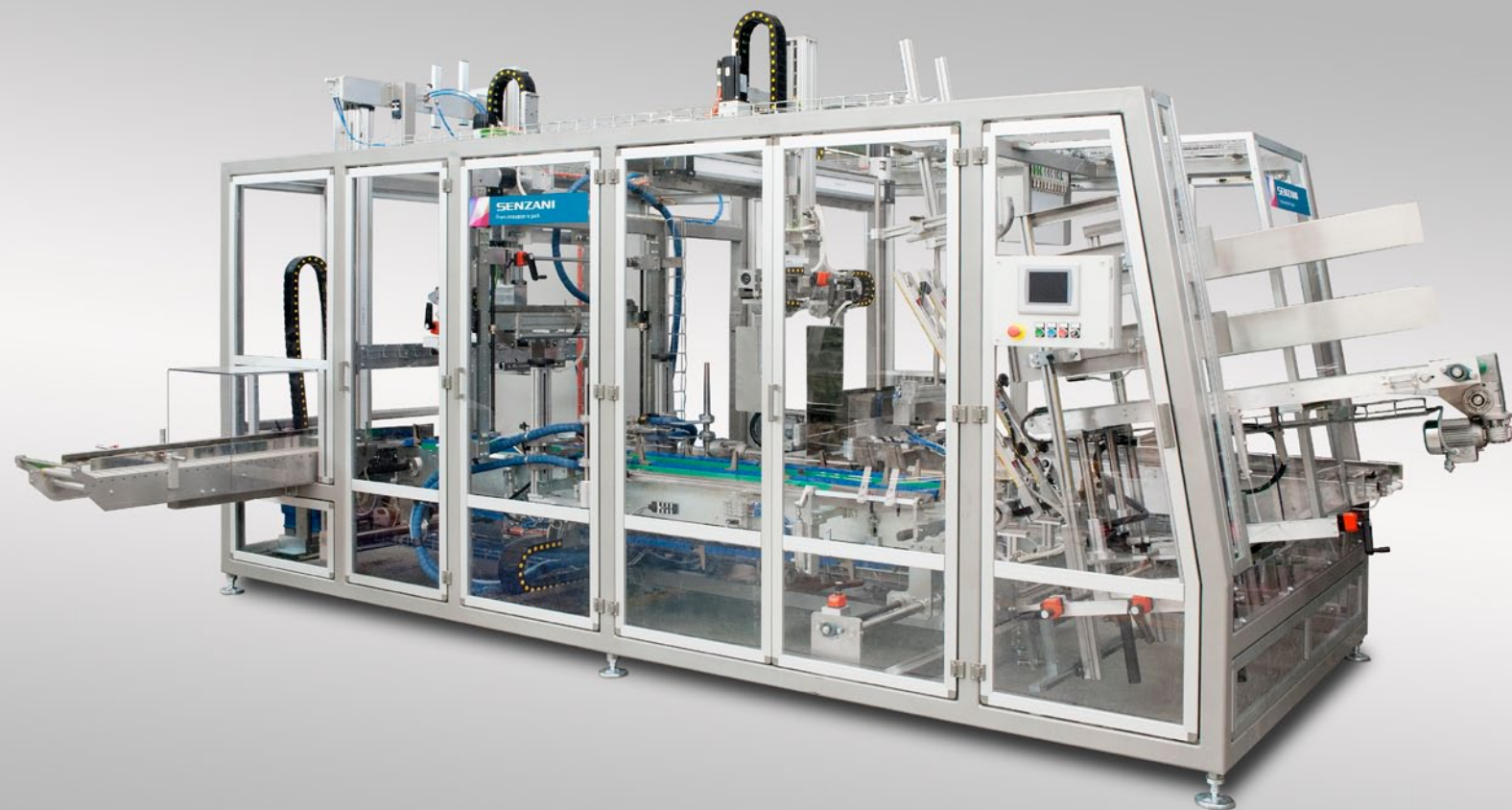


TECHNICAL FEATURES

- 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



CP12
CP12_TL



CP12
CP12_TL

CaPa

CASE SIZE
min. 250x150x200 H mm.
max. 600x400x450 H mm.
SPEED
max 12 cases per min.

CASE SIZE
min. 150x250x100 H mm.
max. 400x600x350 H mm.
MAXIMUM FLAT BLANK
1400x800 mm.

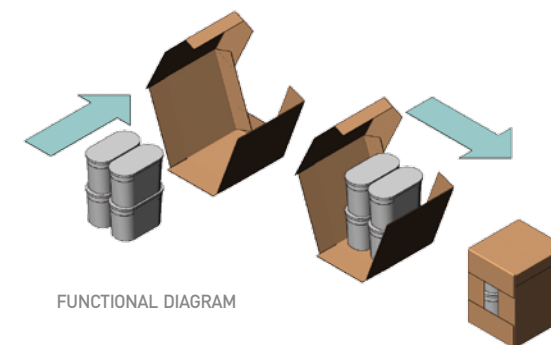
CaPa

WA12

WA12

TECHNICAL FEATURES

- monoblock case packer
- flexible machine with custom-designed and dedicated infeed system.
- positive case opening and handling
- extremely fast and easy format changeover (both in product size and case or product collection)
- reduced pneumatic parts therefore reduced energy consumption.
- reduced installation time and low maintenance



FUNCTIONAL DIAGRAM



TECHNICAL FEATURES

- double stack horizontal magazine
- positive carton erection
- double level carton exit
- closed flap detection and case reject
- tilt device on upper exit
- electrical cabinet on board
- single frame and very small footprint
- fully servo driven movements

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.



SBNE

CaPa

CASE SIZE
min. 350x210x220 H mm.
max. 550x390x620 H mm.
SPEED
up to 10 cases per min.

Auto
MATION

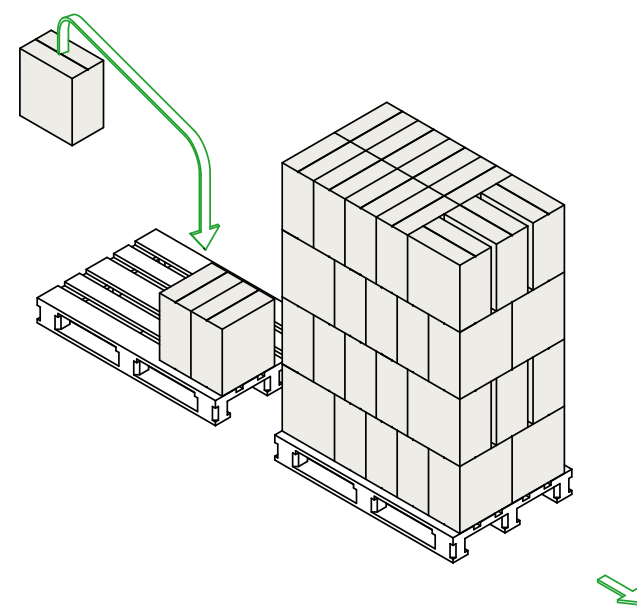
PALLETIZERS
& OTHERS



SBNE

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



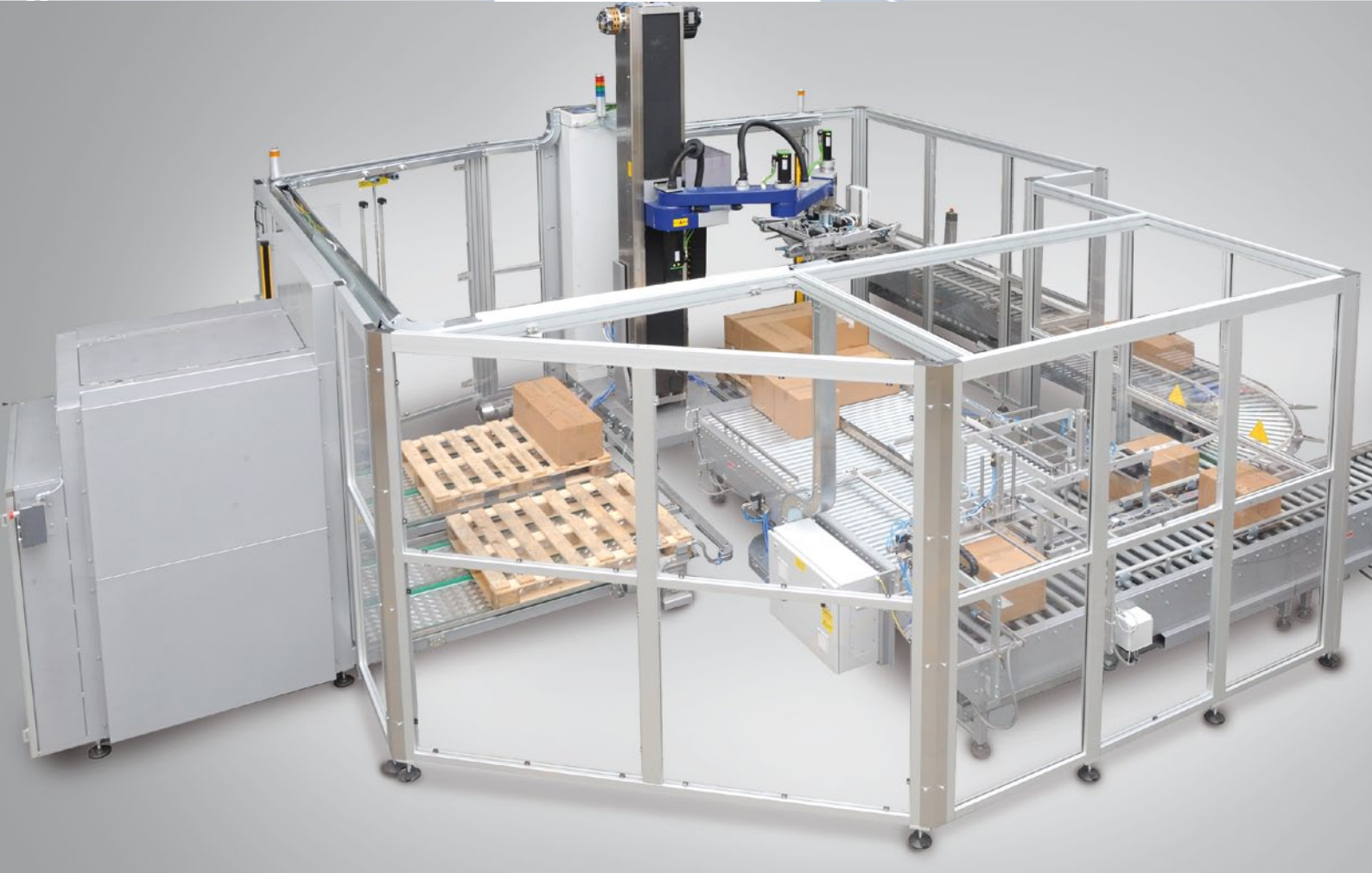
PALLETISING H. (INCLUDING PALLET) 2 m.
LOAD CAPACITY 80 Kg. without picking head
SPEED
10 cycles per min.



INTEGRATED SYSTEM
OF CASE PACKING
AND PALLETIZING

RP

30



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

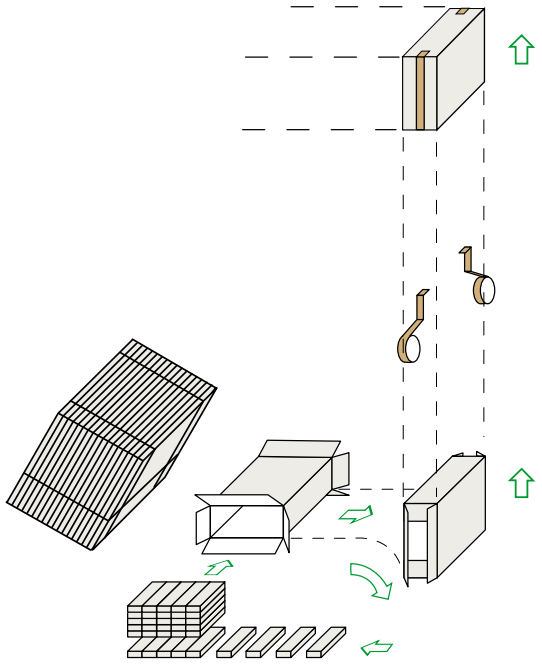
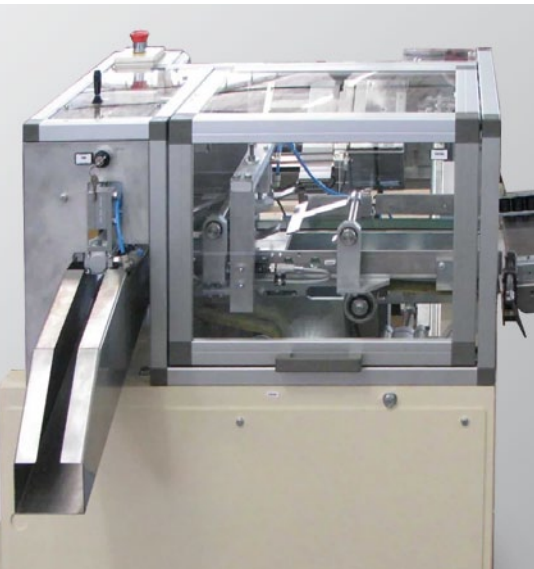
AUTOMATIC EMPTY
PALLET MAGAZINE



31

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

Auto
MATION

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.

Auto
MATION

TOBACCO

S2000



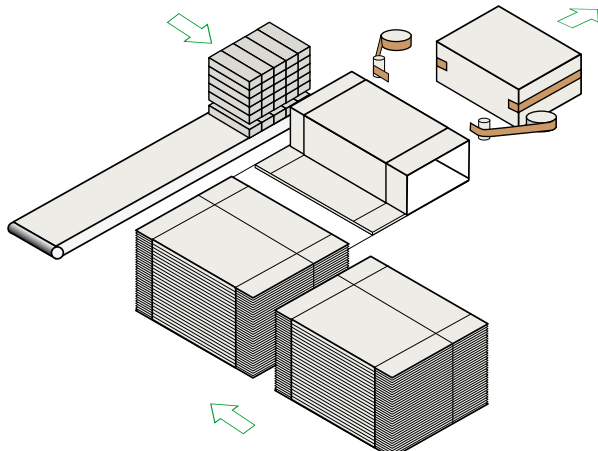
- TECHNICAL FEATURES
- positive opening
 - in-house designed and manufactured taping units
 - horizontal machine
 - greater loading convenience
 - sealing systems: hot melt, self adhesive tape
 - larger case magazine and therefore greater loading autonomy

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)



SENZANI AFTER SALE

A universe of services for those who belong to the Senzani world: discover the advantages of a complete After Sales assistance for your machine

Original spare parts



Senzani guarantees spare parts availability, with no time limits, both for new supplies, and dated models. Spare parts are manufactured according to the same standards applied for the production of our machines and ensure long-lasting high performances and reliability.

24h Assistance and Remote Assistance



Our services rely on specialised technicians availability 24h to minimise downtime. We are able to reach you wherever you are, through a remote assistance service.

Programmed Maintenance



Aiming at granting the high performances and long-lasting efficiency of Senzani machinery, we offer programmed maintenance and servicing. Our staff schedule customised visits and interventions, to constantly monitor the machines performances.

SENZANI

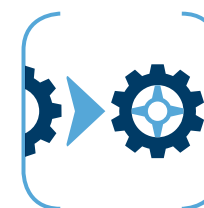
From innovation to pack

Customer satisfaction of Senzani machinery users is our priority.

That's why we offer a global assistance, making our time, skills and know-how available for our partners' productivity.

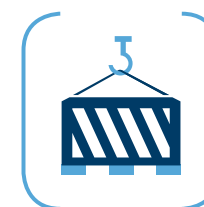


Upgrade and Retrofit



The great flexibility and compatible solutions allow our machinery to be modified to meet the customer's specific needs, also according to the market evolution. New functions and technology implementation, components replacement and upgrades adjust the machinery following new demands.

Relocation

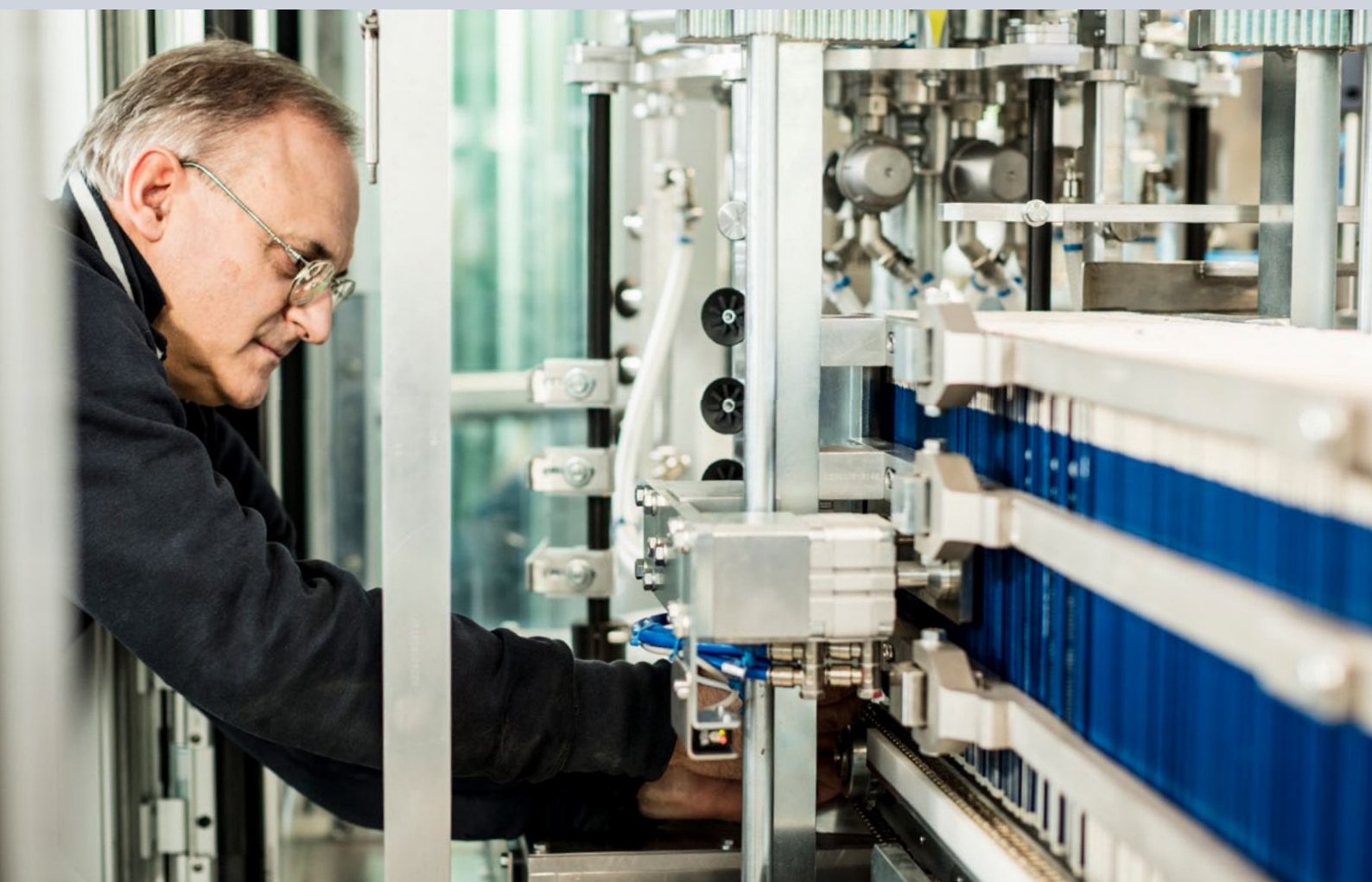


We offer modifications and overhauling service at your premises. Our staff is always available for machinery disassembling and re-installation upon relocation request.

Training



Senzani organises specific operator training for the correct use, and handling of the purchased machines. A comprehensive staff training and ongoing update is crucial for high productivity and to improve the customer's technical competences.





SENZANI®

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