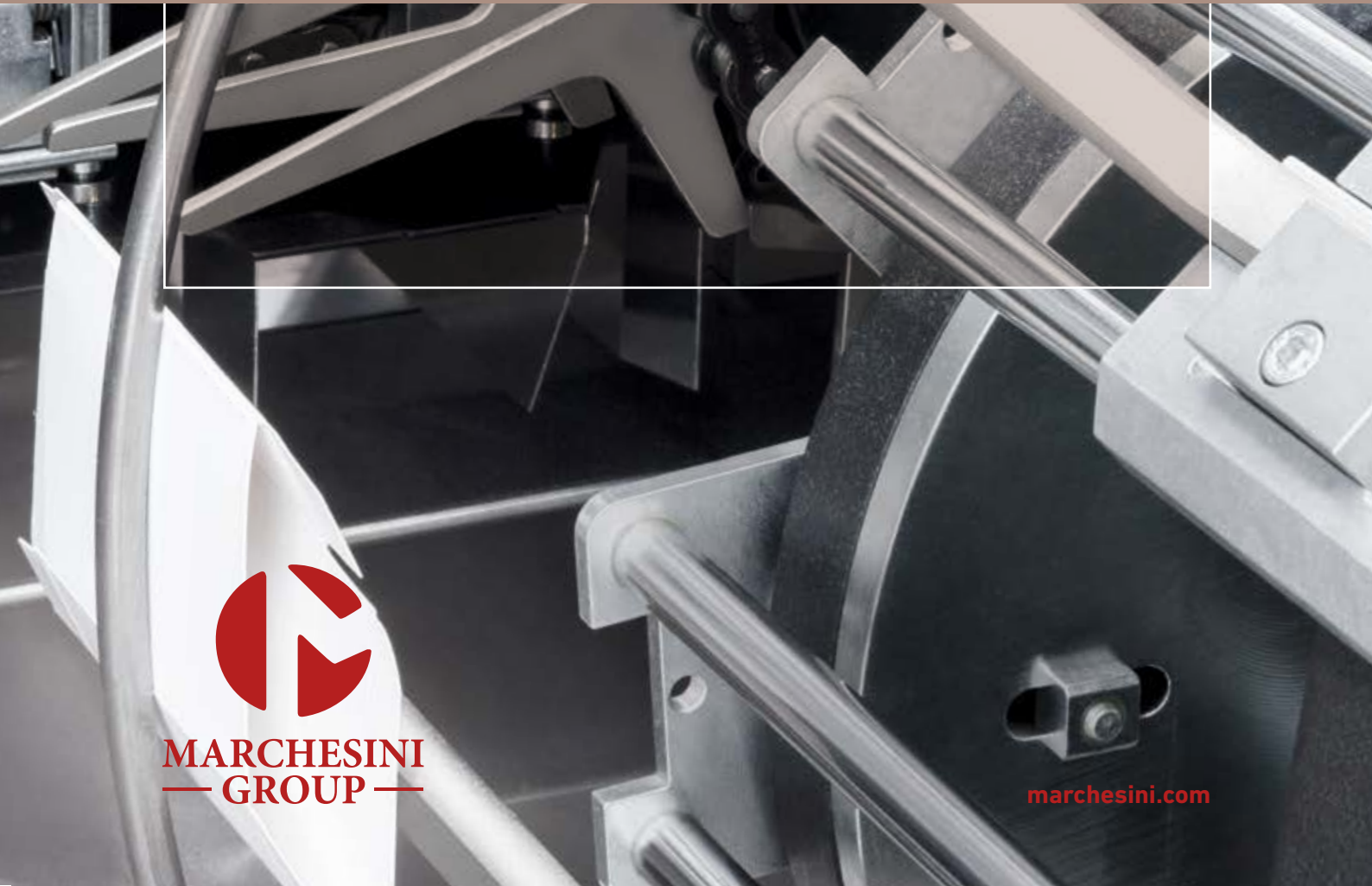


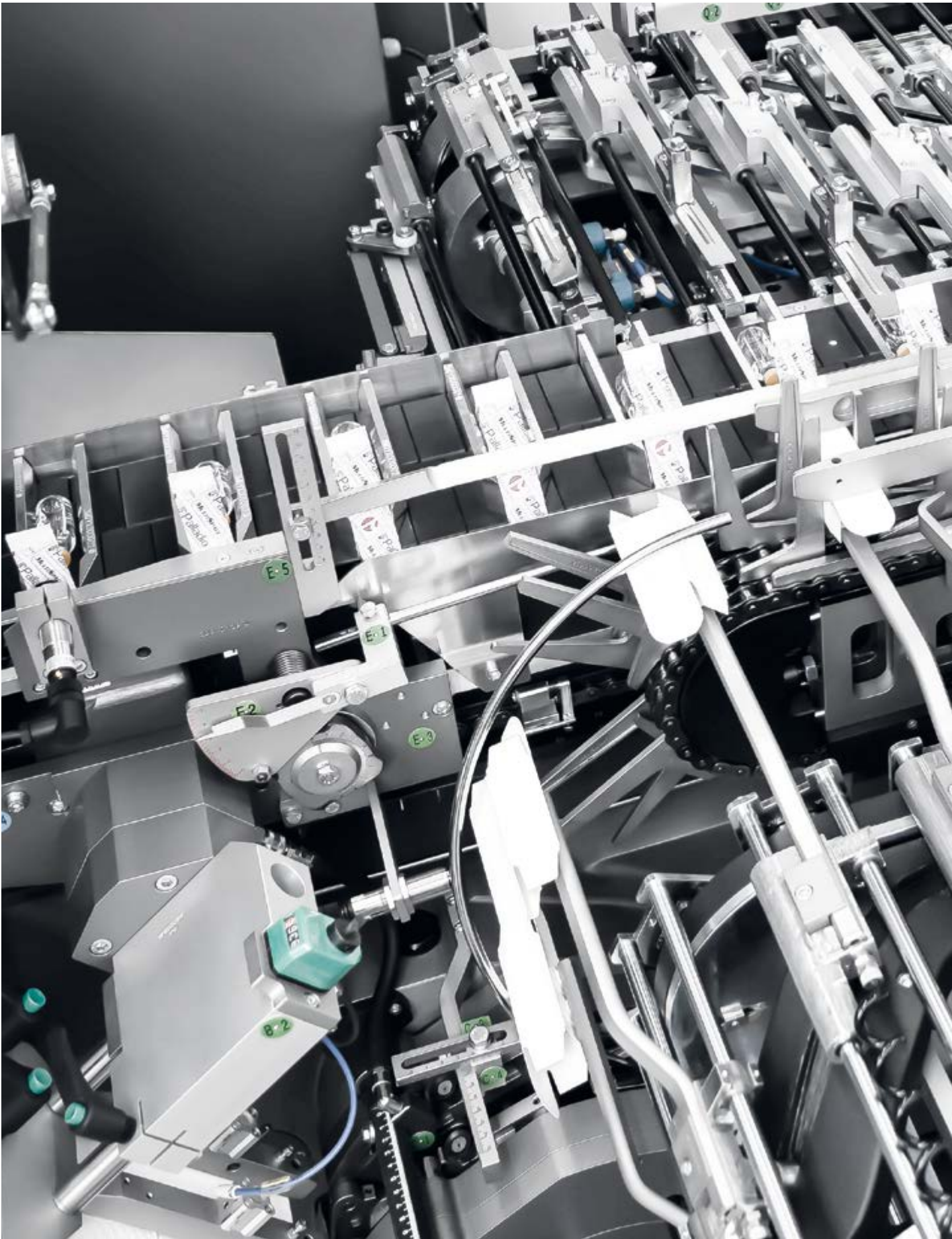


MULTI-PRODUCT
CARTONING MACHINES CATALOGUE



MARCHESINI
— **GROUP** —

marchesini.com





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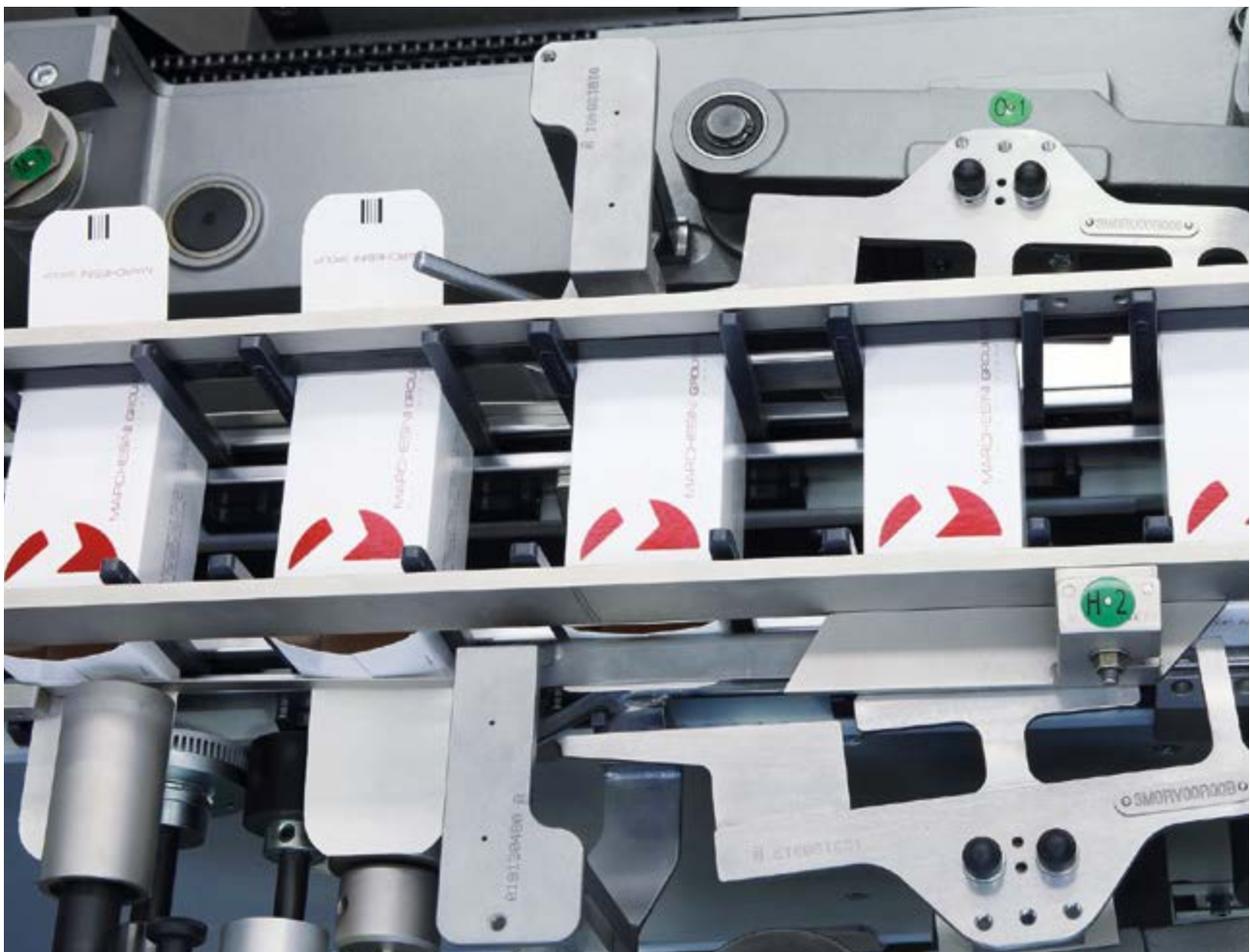
01 | MARCHESINI GROUP
CARTONERS THAT MAKE HISTORY



A PROUD PERFORMER WITH THE BEST OF ITALIAN DESIGN AND TECHNOLOGY

Determination, craftsmanship and Italian passion for product fine tailoring are what have always **inspired Marchesini Group in meeting new challenges.**

Today's packaging industry is in continuous evolution and to keep up to speed with industry requirements, we constantly work alongside our customers to improve and excell in technological innovation.



MARCHESINI GROUP

The Marchesini Group designs and builds stand-alone machines and customised lines for packaging pharmaceuticals and cosmetics.

Since Massimo Marchesini assembled his first cartoning machine in a garage back in 1974, from a local business, the Group has turned into a “compact” multinational enterprise, thanks to mergers and acquisitions of complementary companies. Today, the Marchesini Group caters for the whole packaging process of pharmaceuticals and cosmetics, from start to finish. It creates stand-alone machines and complete lines to package products such as vials, syringes, carpules, bottles and blisters through to putting the individual products into bundles, cases and on pallets.

The finished product - machines capable of packaging all kinds of pharmaceutical and cosmetic products - is a combination of craftsmanship integrated with robotics and technology.

This result has been achieved thanks to the expertise of the Group's branches in Italy, which specialise in designing and manufacturing packaging machines with specific productive technologies, such as aseptic packaging (Corima Division, Siena), blister packaging (Blister & Farcon Division, Carpi) and the construction of self-adhesive labelling machines for a wide variety of products (Neri Division, Barberino del Mugello).

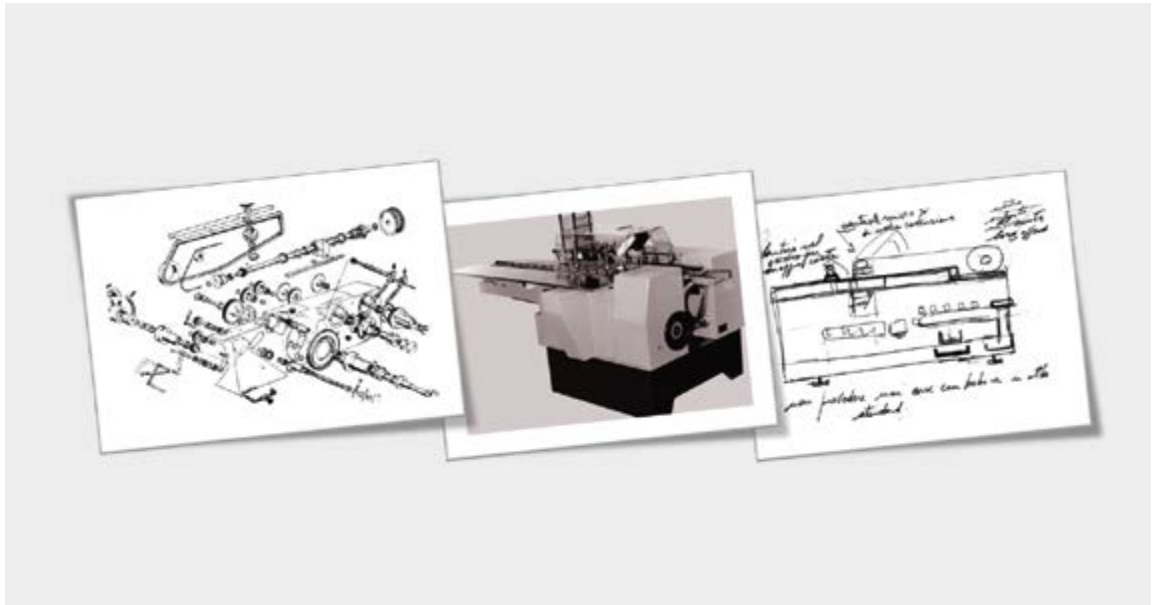
With an extensive range of labellers, cartoners, overwrappers, case packers and palletizing systems equipped with an equally extensive variety of feeding units, for all pharmaceutical and cosmetic products, **the Marchesini Group confirms its market presence as a leading supplier of secondary packaging systems.**



In 1976, the newly-founded Company launched the first intermittent-motion cartoner.

To meet the growing demands of the pharmaceutical market, which has started

to request increasingly fast packaging lines, Marchesini, in **1984 Marchesini presented its first continuous-motion cartoner** with a unique design and technical features never seen before, like oil bath motors and innovative fairings to enhance reliability and safety.



Today, with a department of 1,000 square meters for 3D printing and rapid prototyping, a dedicated centre for sizeparts and special components, over 200 3D C.A.D. stations and dozens of technicians involved in IoT research, **the Marchesini Group presents advanced solutions for all carton packaging requests.**

COMBINING CRAFTSMANSHIP WITH TECHNOLOGY

We have the solution to handle, stack and pack every kind of product into cartons. Ampoules, blisters, bottles, bottlepacks, flowpacks, sachets, syringes, stickpack, strips, rigid or squeezable tubes, vials and all the other most common formats can be easily and efficiently machined. Furthermore, the Marchesini Group is a

leading company in customizing and designing new solutions to handle special formats, such as inhalers, special syringes and self-injecting devices, plus fashion-shaped bottles and make-up tools for the cosmetic industry.

The Group is committed to preventing and reducing its impact on the environment and works to use raw materials responsibly, optimise logistics and waste management. On the product side, we can offer flexible, green and performing paperboard trays applications.



KEY POINTS

Industry 4.0 compliant

All the Marchesini cartoning machines are designed in accordance with cGMP regulations and feature the latest IoT technologies.

Multi-product cartoners

Fast format changeover, flexible carton closing system, different options for coding and various leaflet and booklet infeeding systems ensure that our machines can handle many different products.

Efficiency and reliability

The two oil-bath drive units, one for product conveying and one for carton transport, the brushless servo-driven motors and the dedicated autotesting software, with fail-safe logic, supply the highest efficiency with cost-saving maintenance.

Robotic picking system

The Marchesini Group designs and manufactures its robots in-house. Our cutting-edge proprietary technology allows perfect integration between robotics, mechanics and electronics inside our machines.

Balcony-style structure

Ergonomic design facilitates the operator in many operations, including manual product feeding, maintenance and cleaning.



MARCHESINI
— **GROUP** —



02 | INTERMITTENT MOTION
CARTONERS

TRADITION AND INNOVATION JOIN FORCES

The Marchesini intermittent-motion cartoning machines embody all our expertise to meet even the most complex packaging needs. The conveyor with adjustable buckets enables different automatic feeding units to be installed, while the synchronized servo-motors allow real-time control of pitch and position, guaranteeing the performance of any task with the highest precision.

The cartoning section has been designed to optimise handling, stacking and inserting of standard products as well as big and irregular-shaped ones, using a minimal amount of parts in format changeover.



INTERMITTENT MOTION CARTONER SERIES MA50-N - MA80-N

Intermittent-motion automatic machines with horizontal carton transport, particularly suitable for packing sachets, deep-draw thermoformed trays, as well as vials, bottles and perfumes.

- Versatility and efficiency in a small footprint
- Balcony design
- Synchronized servo motors

- User-friendly format changeover
- Cross control product-carton-leaflet



Featured Model: MA80-N

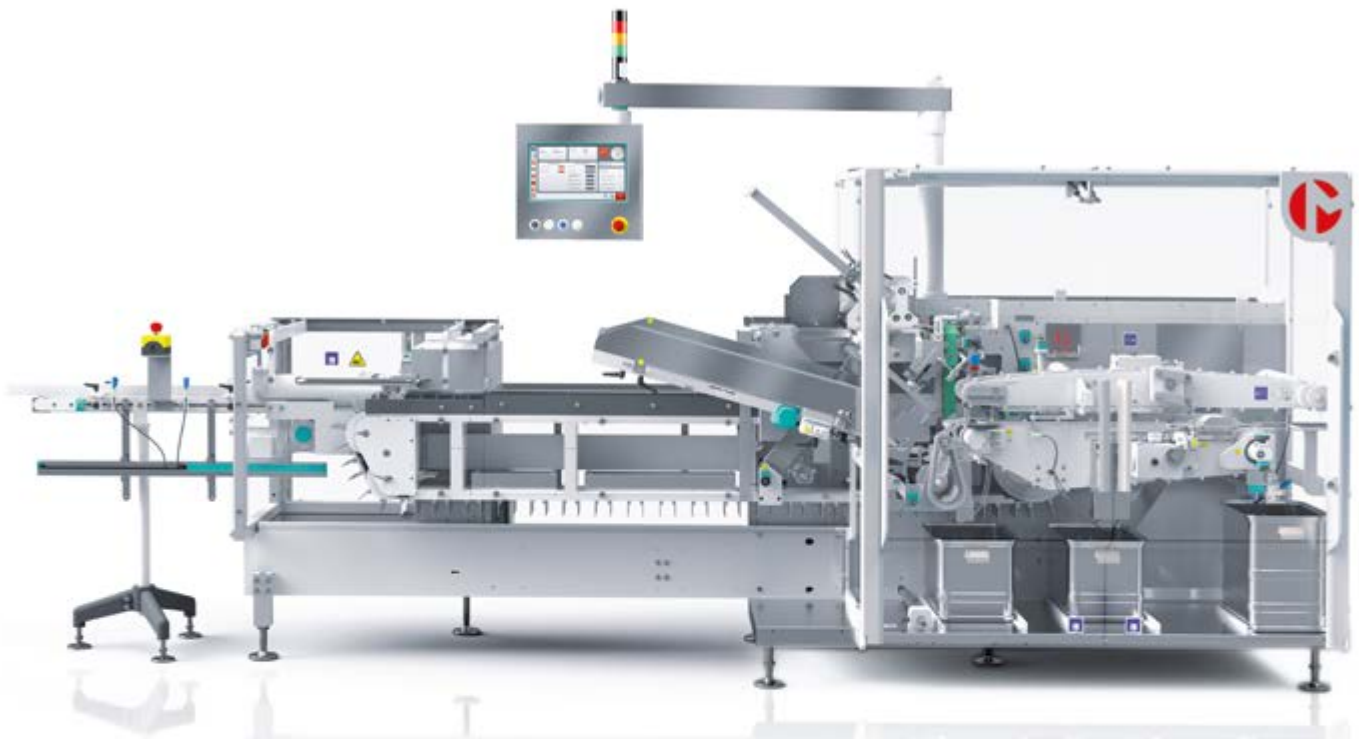
TECHNICAL DATA	MA50-N	MA80-N
Pitch	230 mm	160 mm
Output (cartons/minute)*	70	120
CARTON SIZE		
Width (a)	40 - 190 mm	30 - 130 mm
Height (b)	20 - 105 mm	20 - 100 mm
Length (h)	75 - 200 mm	75 - 200 mm
OPTIONS		
"G" Long Base Length (h)	-	✓
"L" large conveyor	✓	-
"L+G" Large conveyor and Long base	-	✓

(*) The output depends on product characteristics, feeding groups and installed accessories.
 "G": Longer conveyor to perform extra steps.
 "L": Larger conveyor to machine products with wider "h" length.

INTERMITTENT MOTION CARTONER MA100

Intermittent-motion automatic machine with horizontal carton transport, particularly suitable for packing blister, tubes, and mascara and lipsticks.

- Versatility and efficiency in a small footprint
- Balcony design
- Synchronized servo motors
- User-friendly format changeover
- Cross control product-carton-leaflet



Featured Model: MA100 with vial feeder

TECHNICAL DATA	MA100
Pitch	110 mm
Output (cartons/minute)*	100
CARTON SIZE	
Width (a)	20 - 85 mm
Height (b)	16 - 65 mm
Length (h)	60 - 170 mm
OPTIONS	
"V" Higher speed than Standard version	up to 140 cartons/min

(*) The output depends on product characteristics, feeding groups and installed accessories.



03 | CONTINUOUS MOTION
CARTONERS

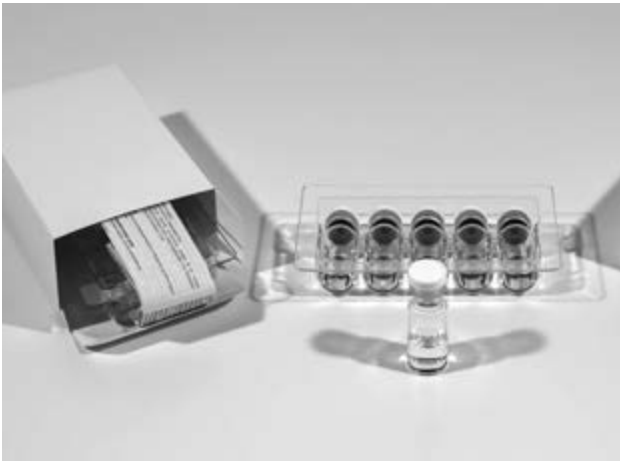
TOP CLASS PERFORMING CARTONERS

Designed to perform large production volumes, the continuous motion Marchesini cartoners combine flexibility, efficiency and precision with high mechanical speed.

Thanks to quick-fit links to different types of automatic product feeding units, such as the robotized picking devices, these cartoners provide innovative solutions to handle, stack

and gently insert the products into cartons with the utmost precision.

Capable of handling any pharma product, continuous motion cartoning machines push the best technical features of our intermittent cartoners to higher speeds, while still effective in packing non-standard items from the cosmetic business.



CONTINUOUS MOTION CARTONER SERIES

MA155 - MA255 - MA305

Continuous motion medium-speed horizontal cartoning machines, particularly suitable for packing tubes, blister, vials and bottles.

- Versatility and efficiency in a small footprint
- Balcony design for easy access
- Oil-bath main drive units
- Synchronized servo motors
- Motorized adjustment of carton length quota
- User-friendly size changeover
- Cross control product-carton-leaflet



Featured Model: MA255 fully configured

TECHNICAL DATA	MA155	MA255	MA305
Pitch	127 mm	127 mm	127 mm
Output (cartons/minute)*	140	180	240
CARTON SIZE			
Width (a)	25 - 100 mm	25 - 100 mm	25 - 100 mm
Height (b)	15 - 85 mm	15 - 85 mm	15 - 85 mm
Length (h)	65 - 150 mm	65 - 150 mm	65 - 150 mm
OPTIONS			
"G" Long Base	✓	✓	✓
"L" large conveyor	✓	✓	✓

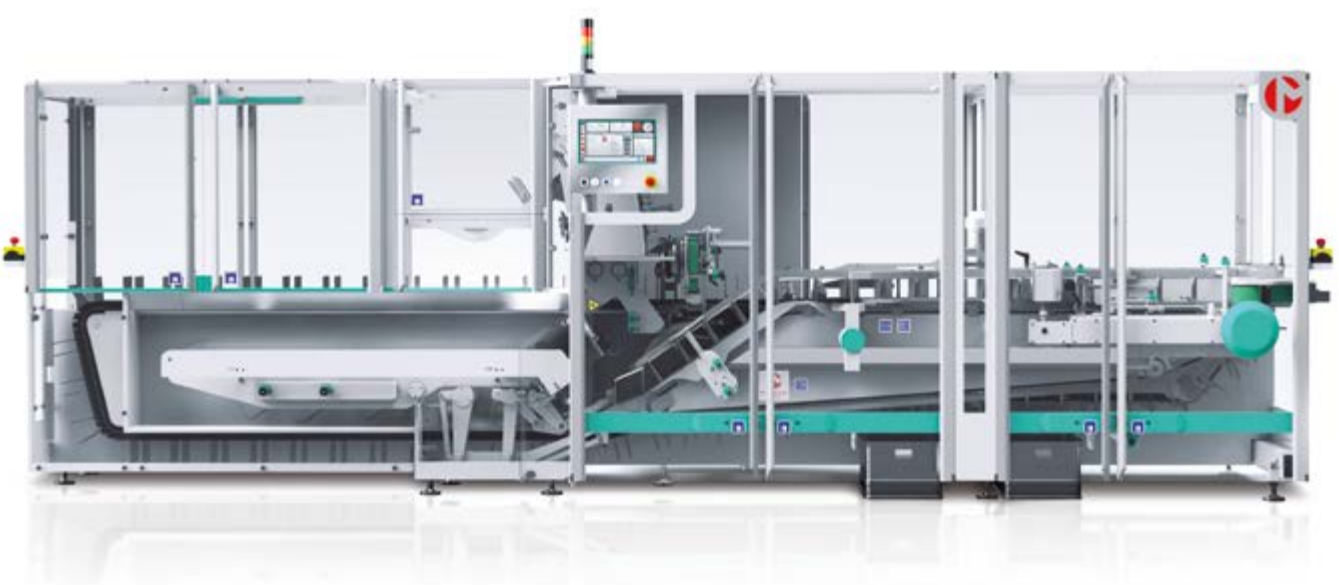
(*) The output depends on product characteristics, feeding groups and installed accessories. "G": Longer conveyor to perform extra steps. "L": Larger conveyor to machine products with wider "h" length.

CONTINUOUS MOTION CARTONER SERIES

MA200 - MA202

Continuous motion, medium-speed, horizontal cartoning machines particularly suitable for packing large tray formats, vials and bottles and stacked blister.

- Versatility and efficiency in a small footprint
- Balcony design for easy access
- Oil-bath main drive units
- Synchronized servo motors
- Servo-powered adjustment of carton length quota
- User-friendly size changeover
- Sloping surfaces to convoy the ejected items
- Cross control product-carton-leaflet



Featured Model: MA202

TECHNICAL DATA	MA200	MA202
Pitch	190,5 mm	158,75 mm
Output (cartons/minute)*	200	220
CARTON SIZE		
Width (a)	30 - 160 mm	30 - 130 mm
Height (b)	20 - 110 mm	20 - 110 mm
Length (h)	80 - 160 mm	80 - 160 mm
OPTIONS		
"G" Long Base	✓	-
"L" large conveyor	✓	✓

(*): The output depends on product characteristics, feeding groups and installed accessories. "G": Longer conveyor to perform extra steps. "L": Larger conveyor to machine products with wider "h" length.

CONTINUOUS MOTION CARTONER SERIES MA300 - MA400

Continuous motion high-speed horizontal cartoners, particularly suitable for packing vials and bottles, blister and syringes.

- Versatility and efficiency in a small footprint
- Balcony design
- Oil-bath main drive units
- Synchronized servo motors
- Motorized adjustment of carton length quota
- Carton opening by rotating drum
- User-friendly format changeover
- Cross control product-carton-leaflet



Featured Model: MA400 fully configured

TECHNICAL DATA	MA300	MA400
Pitch	127 mm	95,25 mm
Output (cartons/minute)*	300	400
CARTON SIZE		
Width (a)	25 - 100 mm	25 - 70 mm
Height (b)	15 - 85 mm	15 - 85 mm
Length (h)	65 - 150 mm	65 - 150 mm
OPTIONS		
"G" Long Base	✓	✓
"L" large conveyor	✓	✓

(*) The output depends on product characteristics, feeding groups and installed accessories.

"G": Longer conveyor to perform extra steps.

"L": Larger conveyor to machine products with wider "h" length.

CONTINUOUS MOTION CARTONER SERIES

MA252 - MA302

Continuous motion medium-speed horizontal cartoners, particularly suitable for packing deep-draw thermoformed trays for ampoules and syringes.

- Versatility and efficiency in a small footprint
- Balcony design
- Oil-bath main drive units
- Synchronized servo motors
- Motorized adjustment of carton length quota
- User-friendly format changeover
- Long carton magazine
- Cross control product-carton-leaflet



Featured Model: MA252

TECHNICAL DATA	MA252	MA302
Pitch	158,75 mm	158,75 mm
Output (cartons/minute)*	140	210
CARTON SIZE		
Width (a)	25 - 130 mm	25 - 130 mm
Height (b)	15 - 85 mm	15 - 85 mm
Length (h)	65 - 150 mm	65 - 150 mm
OPTIONS		
"L" large conveyor	✓	✓

(*): The output depends on product characteristics, feeding groups and installed accessories.

"L": Larger conveyor to machine products with wider "h" length.

CONTINUOUS MOTION CARTONER MA260

Continuous motion medium to high-speed horizontal cartoners, particularly suitable for packing blister, vials and bottles.

- Versatility and efficiency in a small footprint
- Balcony design
- Oil-bath main drive units
- Synchronized servo motors
- Motorized adjustment of carton length quota
- User-friendly format changeover
- Cross control product-carton-leaflet



Featured Model: MA260 with vial feeder

TECHNICAL DATA	MA260
Pitch	110 mm
Output (cartons/minute)*	260
CARTON SIZE	
Width (a)	30 - 90 mm
Height (b)	15 - 90 mm
Length (h)	75 - 150 mm
OPTIONS	
"G" Long Base	✓
"V" Higher speed than Standard version	Up to 300 cartons/min

(*) The output depends on product characteristics, feeding groups and installed accessories.
"G": Longer conveyor to perform extra steps.

CONTINUOUS MOTION CARTONER

MA500

Continuous motion high-speed horizontal cartoners, particularly suitable for packing blister, vials and bottles.

- Versatility and efficiency in a small footprint
- Balcony design
- Oil-bath main drive units
- Synchronized servo motors
- Motorized adjustment of carton length quota
- User-friendly format changeover
- Long cartons magazine
- Cross control product-carton-leaflet



Featured Model: MA500

TECHNICAL DATA	MA500
Pitch	110 mm
Output (cartons/minute)*	500
CARTON SIZE	
Width (a)	30 - 90 mm
Height (b)	15 - 90 mm
Length (h)	75 - 150 mm

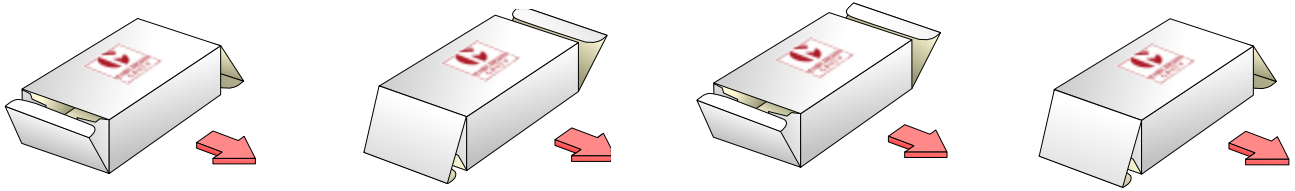
(*) The output depends on product characteristics, feeding groups and installed accessories.



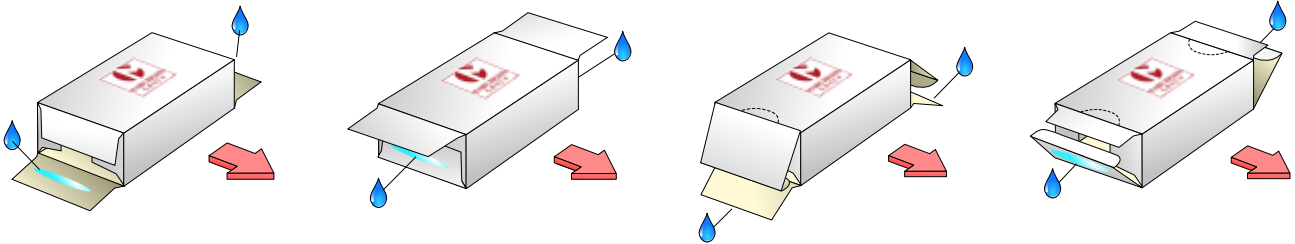
04 | CARTONERS
ACCESSORIES & AFTERSALES

MAIN CARTON CLOSURES

TUCK-IN



GLUE | GLUE + TUCK-IN



MAIN PRODUCTS

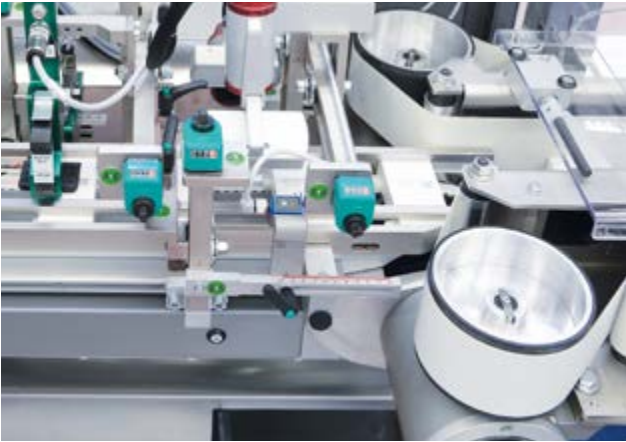
PHARMA AND NUTRACEUTICALS



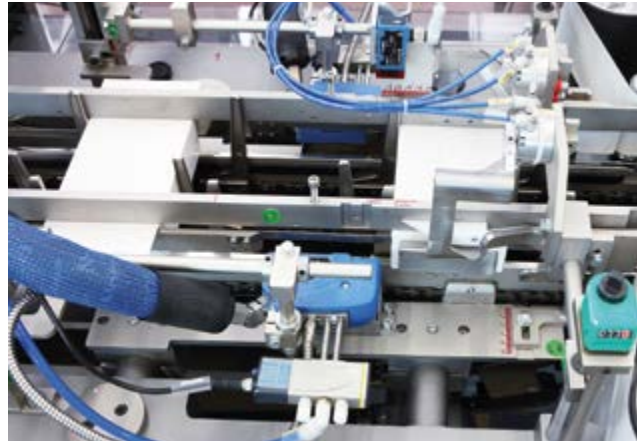
COSMETIC AND OTHER



MAIN ACCESSORIES



EMBOSSING INKJET OR LASER CARTON MARKING WITH CAMERA CHECK STATION



HOT MELT OR TUCK-IN CARTON CLOSING UNITS



FLAT OR PRE-FOLDED LEAFLET AND BOOKLET UNIT WITH CAMERA CHECK



ROBOTIC FEEDING GROUPS FOR PAPERBOARD TRAYS



ROBOTIZED PICKING UNITS



INDUSTRY 4.0

Here in Marchesini we design new generations of packaging machines and production lines according to IoT concepts and fully compliant with Industry 4.0 paradigms. Each machine is equipped with an Industry 4.0 Software package, that increases the system's capabilities, by exploiting real time data transmission on OPC-UA protocol.

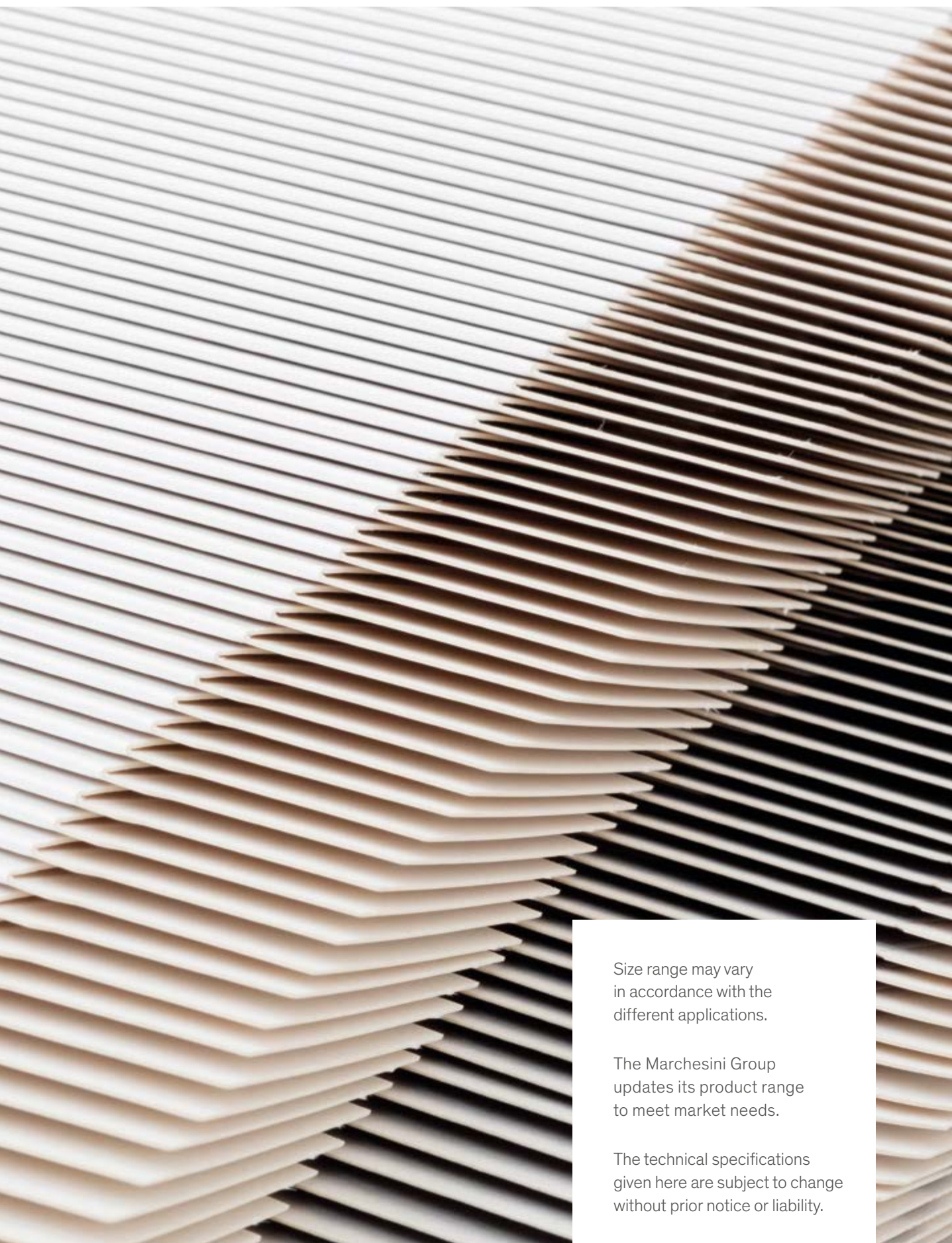
CUSTOMER CARE

Marchesini's Service 4.0, the best IoT technologies to support our customers.

- Teleservice
- Live Assistance
- MIMO
Marchesini Inspection Monitoring







Size range may vary
in accordance with the
different applications.

The Marchesini Group
updates its product range
to meet market needs.

The technical specifications
given here are subject to change
without prior notice or liability.



MARCHESINI
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