

FTB577-C

CAPSULE CARTONING MACHINE



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IMA occupies a leading position in the global market for the design and manufacture of single serve capsule filling and sealing machines for coffee, tea and soluble beverages.

Since the time IMA decided to enter the demanding market for high-quality single serve capsule, we have consistently been able to impress our customers with extremely innovative technical solutions, utmost flexibility and reliability.

The machine FTB577-C has been designed in view of the results gained from the well referenced machine on the confectionery market for packaging chewing-gum and candy in cartons or plastic bottles.

The FTB577-C can package American and Espresso coffee capsule, tea and soluble beverages in general. Together with the filling and sealing machine 595, the FTB577-C represent for our customer an excellent choice as a turnkey solution. Our custom-tailored solutions make IMA the ideal strategic partner for industry leaders who constantly strive to meet new market trends.

According to required machine speed and blanks capacity FTB577-C can be equipped with single, double or more flat blank carton magazines.

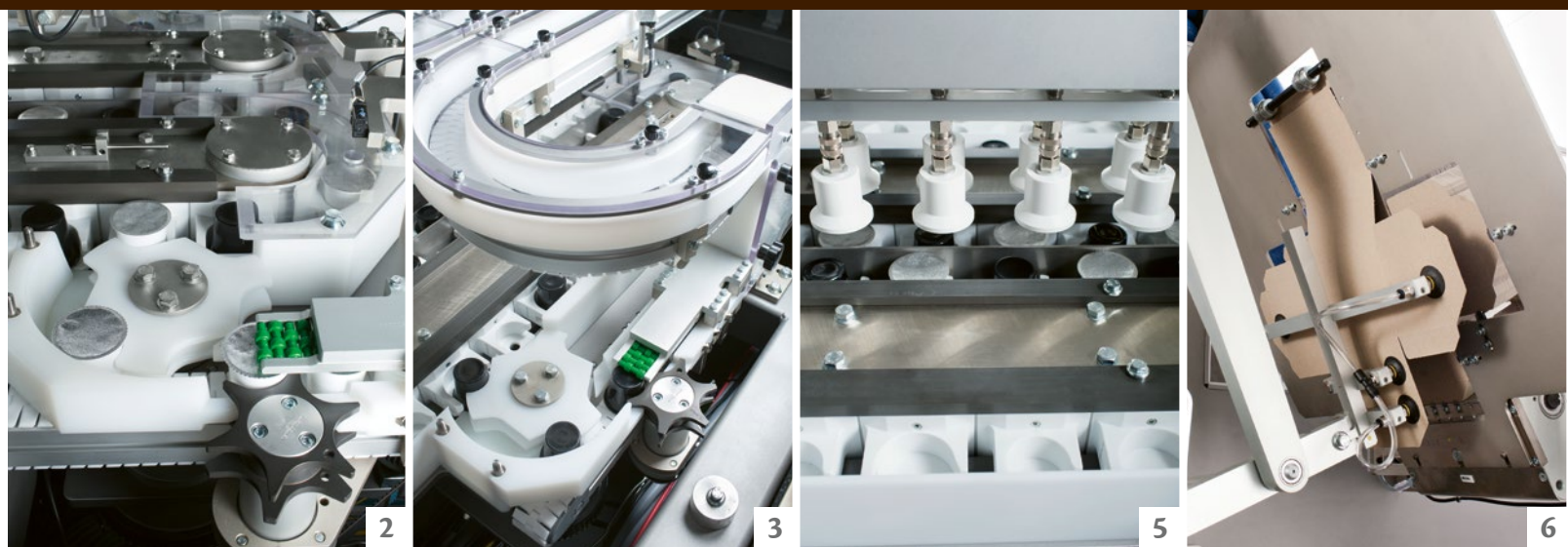
- EXCELLENT PRODUCTION EFFICIENCY
- FULLY SERVO-DRIVEN MOVEMENT
- MINIMAL MAINTENANCE REQUIREMENT
- EXTREME FLEXIBILITY ON PRODUCT LAYERS CONFIGURATION
- MINIMIZE USE OF VOID FILL WITH PACKAGING COMPACTNESS SOLUTIONS



- TURN-KEY SOLUTION TOGETHER WITH 595 FILLING MACHINE
- QUICK SIZE CHANGEOVER
- HIGH BLANKS CAPACITY
- HIGH SPEED, COMPACT MACHINE
- USER FRIENDLY OPERATOR PANEL



FTB577-C STEP BY STEP



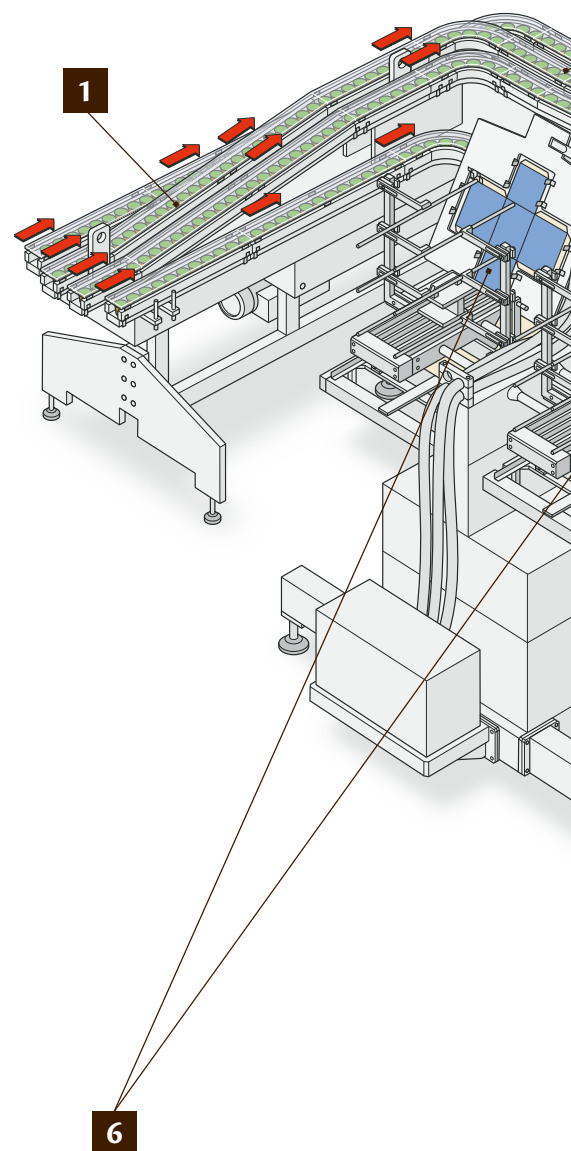
MAIN FEATURES

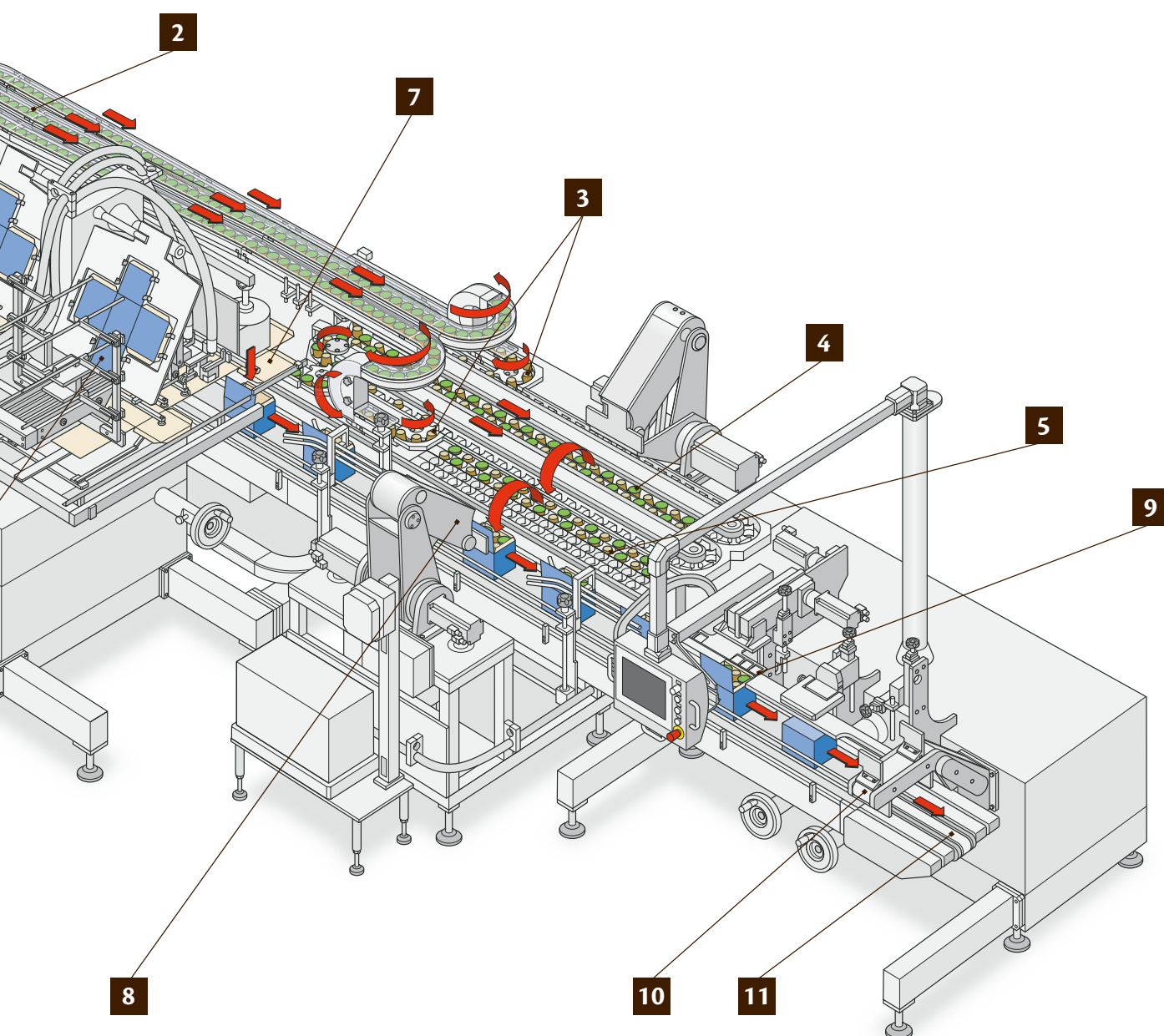
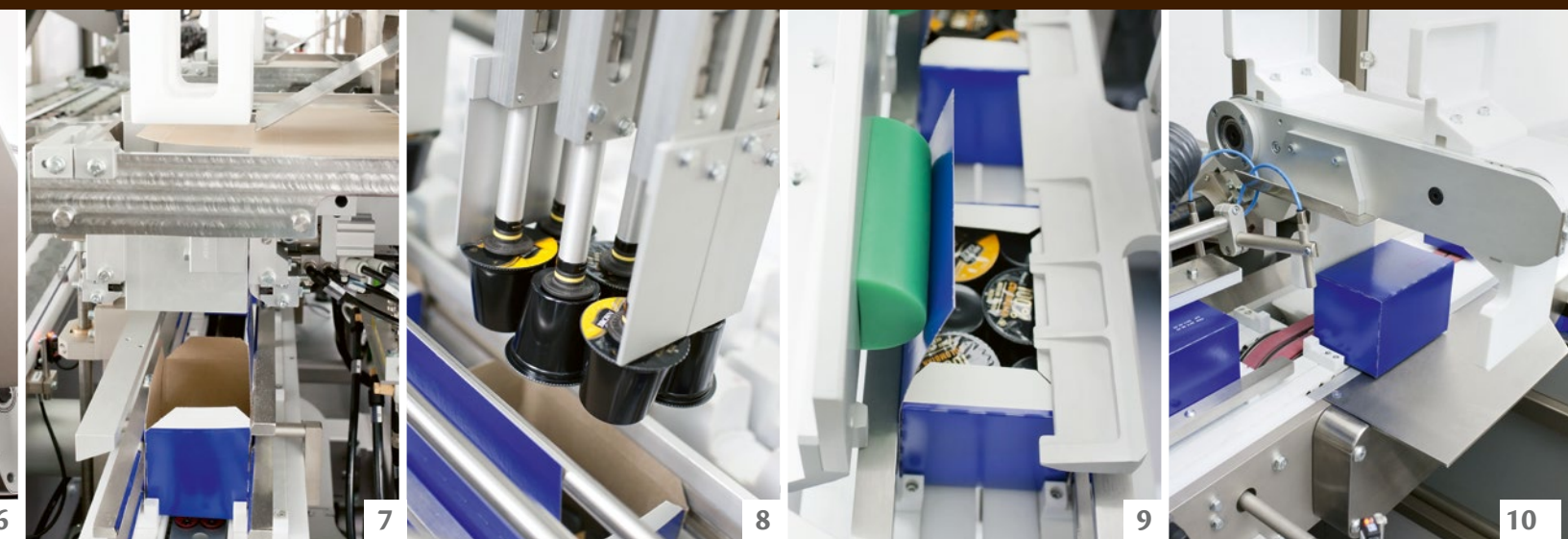
CAPSULE CARTONING MACHINE MOD. FTB577-C

1. FOUR LANE CAPSULE INFEED
2. CAPSULE FEEDING SYSTEM
3. CAPSULE OVERTURNING SYSTEM
4. CAPSULE FEEDING CAROUSELS
5. LAYER FORMING SYSTEM
6. CARTON FLAT BLANK FEEDING SYSTEM
7. CARTON FORMING SYSTEM
8. PICK AND PLACE FOR CAPSULE INSERTION IN BOX
9. FRONTAL FLAP CLOSING SYSTEM
10. REJECT STATION
11. EXIT BELT

The standard version of the machine can also be implemented with optional accessories like:

- Capsule coding unit
- Carton coding unit
- System for counting and dispensing capsules off-line





FTB577-C PERFECT SOLUTION IN PERFECT DESIGN



PACKAGING OF CAPSULES AND BOXES

Capsules are fed already nested in the carousel chains and transferred by robotic units equipped with gripper-suction cup type hands able to create a nest-like fashion grouping. Thanks to this system the machine is able to minimize box dimension and the use of void fill reducing materials consumptions and dimensional charges. The machine FTB577-C is equipped with a capsules and boxes presence detection system which is able to determine together with the suction cup pick and place system the presence of each single capsules with the overall benefits of reducing to a minimum capsules and boxes rejection.



- Top loading high-speed forming and filling display box machine with double flat blank cartons which ensure lower procurement costs compared to a pre-glued carton.
- Double magazine is designed to increase blanks capacity and production speed. It is equipped with a double forming head with positive display management.
- Possibility to pack in a single box multi product flavors with a dedicated feeding system design.

Production rate of the machine up to 80 boxes/min on its standard version managing up to 500 capsules/min at infeed. Machine design permit great flexibility on different capsules configuration, this as a result of the constant relationship with our customer needs. FTB577-C machine gives the possibility to vary capsules number and boxes production speed.

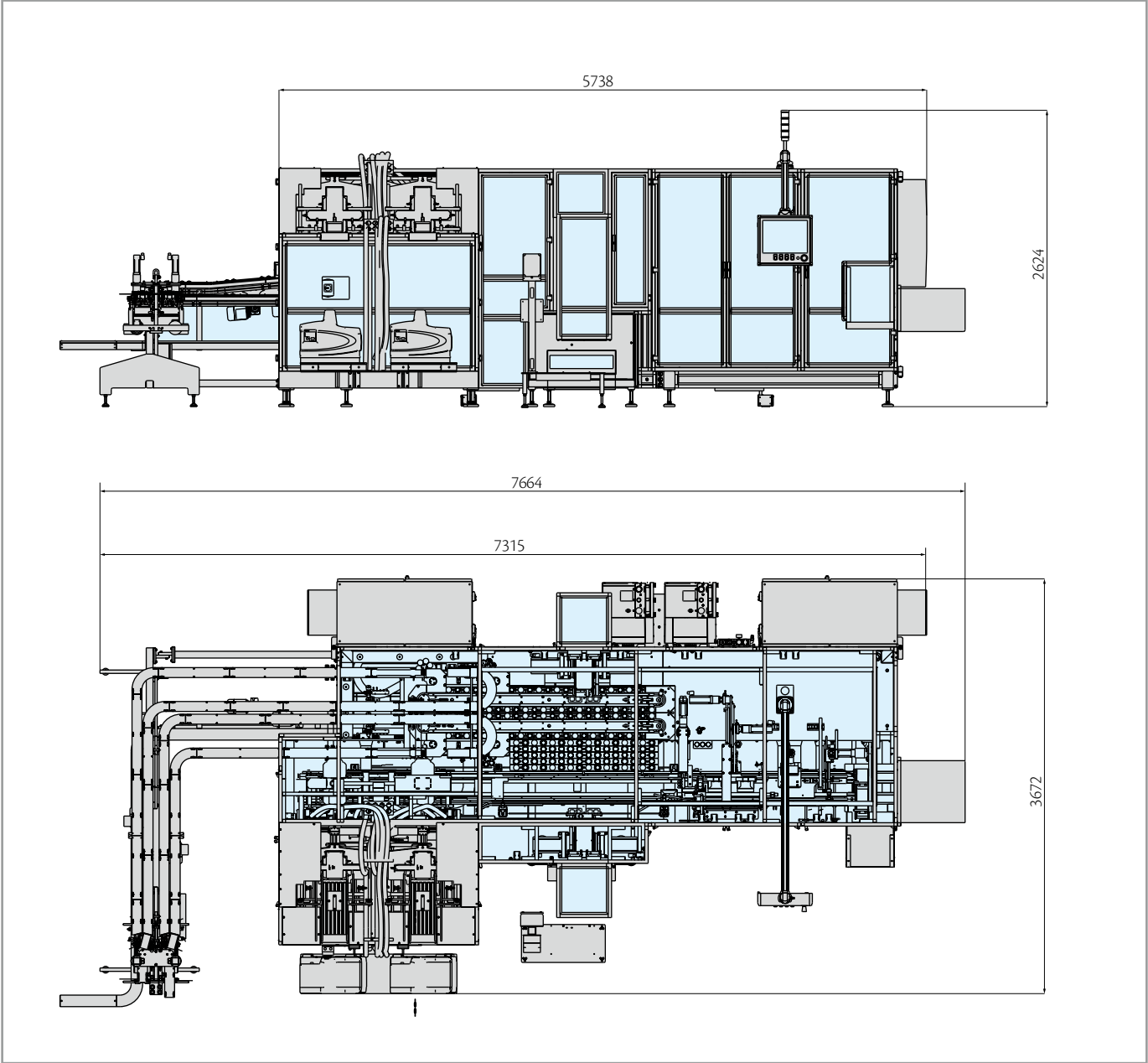


Capsules "nesting"

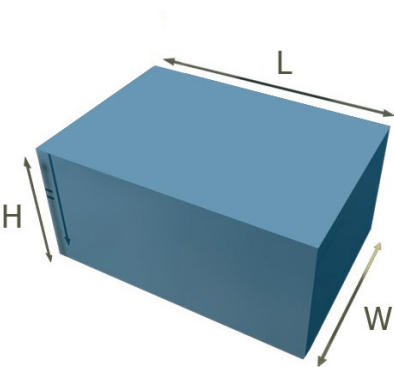


FTB577-C TECHNICAL DATA

FTB577-C



FTB577-C TECHNICAL DATA		MIN.	MAX.
Production range	L	100	200
	W	50	200
	H	30	150
Production	over 80 ppm		
Average power consumption	12 kw		
Operating pressure	6 bar		
Maximum air consumption	700 NI/min		
Weight	3500 kg		



Data subject to possible technical modifications and not necessarily definitive.

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