

H *orizontal & Continuous* Cartoning Machine



CM 200-Cartoning Machine

The **CM-200** is continuous motion horizontal cartoner suitable to pack cosmetics and pharma products into pre-glued cartons with tuck-in reverse flaps. The machine is pre-arranged for the installation of automatic product feeding systems.

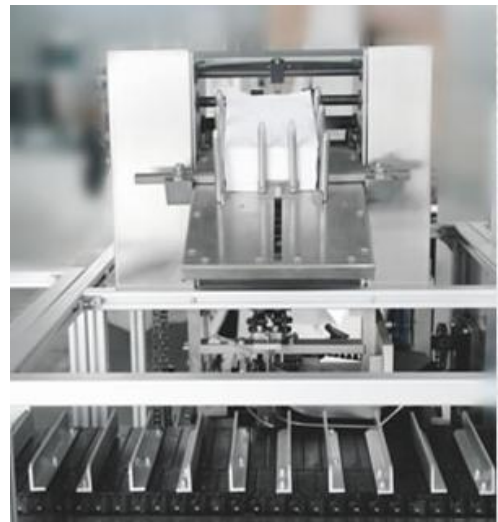


Features:

- High speed: up to 12,000 cartons/h
- Positive and forced carton opening
- Flexibility for customization
- Reliable product feeding
- Toothed belt carton transport
- GMP balcony design
- Operator ergonomics
- Easy and quick change-over

Design Description:

- GMP easy to clean design
- Balcony design
- Ergonomics
- Flexibility
- Complying with GMP standards

**Mechanical:**

- One set of customized carton change parts
- Parts to handle cartons with reverse tuck-in closure
- Toothed belts product transport system with buckets (simultaneously adjustable); standard length
- Carton magazine (1700 mm long) with motorized belt placed at 1350 mm from the floor
- Carton picking off by means of two rotating arms with suction cups
- Sconde rotating arm with suction cups for forced carton pre-opening
- Carton transport with fingered belt system
- Automatic product rejection in case of missing carton pick up
- Carton exit by motorized side belts and automatic faulty carton rejection system
- Venturi vacuum generator

Safety Devices:

- Polycarbonate safety guards with Schmersal micro-switches
- Mechanical safety clutch on carton pick up arms
- Mechanical safety clutch on product transport belt system
- Mechanical safety clutch on carton transport belt system
- Overload check on pushers with mechanical clutch
- E-stop button on the operator panel
- Standard stacking light indicating machine status (three colours and acoustic signal)

Controls:

- Minimum level control for cartons and leaflets
- Sensor to detect the product presence during its transport in the bucket system
- Sensor to detect the carton presence in product insertion position
- Sensor to detect carton ejection
- Countercontrol production speed indicator
- Good and bad cartons counter
- Total and partial hour meter
- Troubleshooting made easy by means of pictures on the operator panel



Main technical parameters		CM-200
Encasing speed		180—200 /min
Carton	Quality requirement	White Cardboard $\geq 250\text{g/m}^2$ White paper $\geq 300\text{g/m}^2$
	Dimension range(L×W×H)	(78-235)×(33-90) ×(15-60)mm
Leaflet	Quality requirement	55-60g/ m ²
	Unfolded leaflet specification	(110-180) ×(130-270)mm
	Fold range	1-4 fold
Compressed air	Working pressure	0.5~0.8 MPa
	Air consumption	<1 m ³ /h
Power supply		220/380V 50/60HZ
Motor power		5.5 kW
Machine dimension(L×W×H)		4280×1980×1820 mm
Machine weight		3200Kg

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