

Machinelab Intermittent Cartoner

Technical Specifications

Applications

Real-World Benefits

Download Brochure

About

The Machinelab Intermittent Cartoner is a high-precision cartoning system tailored for pharmaceutical, medical device, food, cosmetics, and life-science applications. It delivers intermittent motion, synchronised product insertion, leaflet feeding, and highly reliable carton closure — all while maintaining a compact, cleanroom-ready footprint suitable for regulated and hygiene-sensitive production environments.

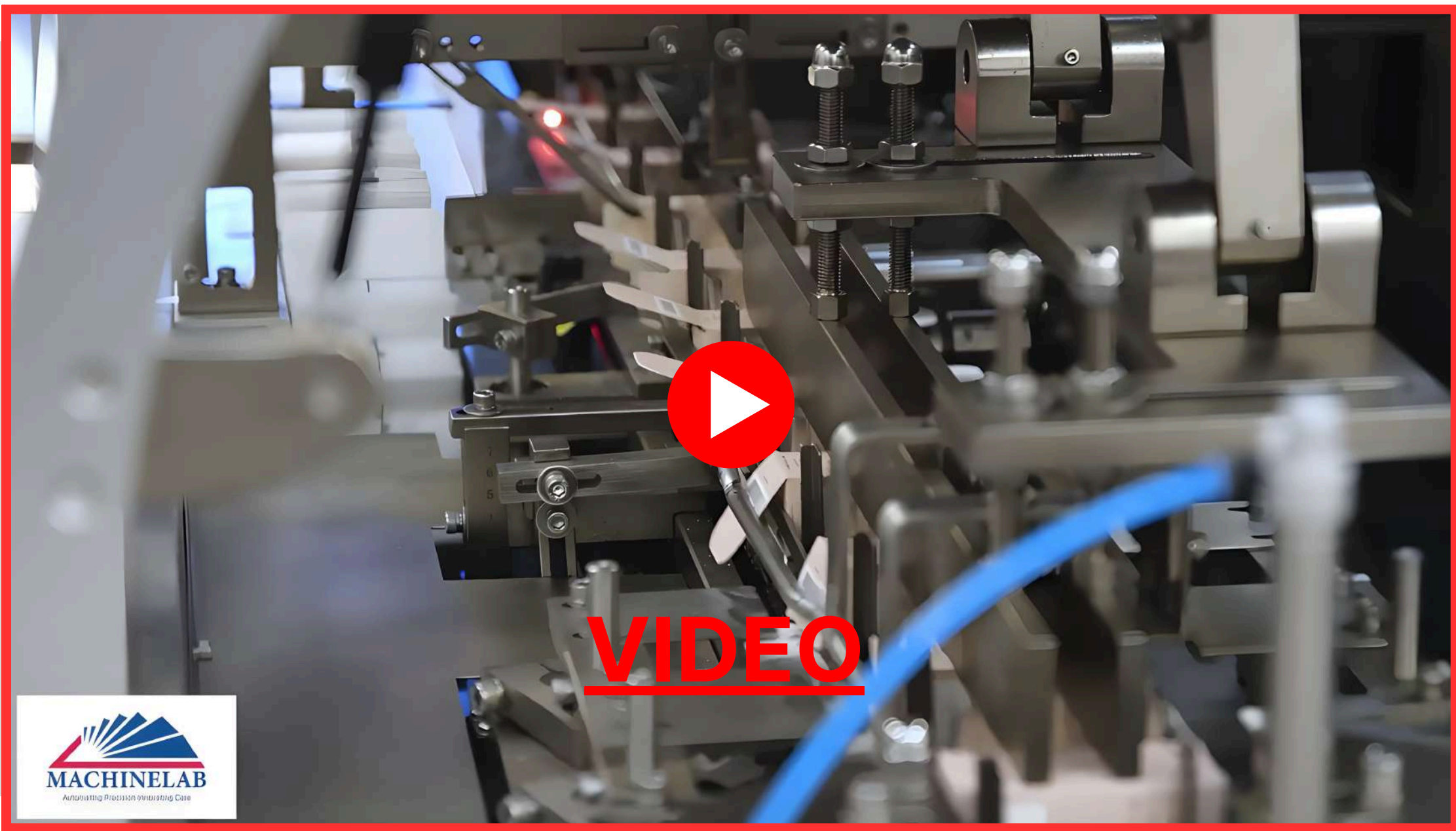


Technical Specifications

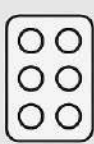
Parameter	Specification
Max Speed	~90–100 cartons / min
Carton Size (L×W×H)	19.1 mm × 12.7 mm × 63.5 mm up to 101.6 mm × 76.2 mm × 177.8 mm
Closure Types	Tuck-in flap or Hot-melt glue
Leaflet / Booklet	Pre-folded leaflet magazine and feeder
Changeover Time	< 10 minutes (no-tool)
Drive / Control	Servo-driven, PLC + HMI control
Construction	304 / 316 stainless steel for contact and frame parts
Utilities	Compressed air (typical) for pneumatic components; power to be defined per project

Key Features

- **Intermittent Motion Architecture-** Controlled start-stop movement ensures precise loading, leaflet insertion, and carton closure with minimal product stress.
- **Leaflet / Booklet Insertion-** Automated magazine and feeder insert IFUs with accurate timing every cycle.
- **Flexible Carton Closure-** Supports both tuck-in and hot-melt glue closures for a wide range of carton formats.
- **Fast Tool-Less Changeover-** Quick, no-tool format changes reduce downtime and improve overall line efficiency.
- **Balcony-Style Operator Access-** Open-frame design offers clear visibility and easy access for cleaning and maintenance.
- **Servo-Assisted Drive-** Servo-controlled carton erecting and closing provide consistent, repeatable performance at higher speeds.
- **Hygienic & GMP-Ready Construction-** Stainless-steel, cleanroom-compatible design supports regulated pharmaceutical, medical, food, and cosmetic environments.
- **Integrated Safety & Reject Logic-** Carton, leaflet, and closure sensors ensure quality control with automated reject handling for non-conforming packs.



Typical Applications



Pharmaceuticals
vials, blister packs, oral-dose cartons, injection devices



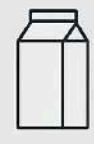
Medical Devices
diagnostic kits, test strips, syringes, sampling devices



Nutraceuticals / OTC
small bottles, ampoules, cartons requiring IFUs



Cosmetics / Personal Care
creams, serums, skincare cartons with leaflet insertion



Food & Beverage
sachets, small cartons, portion packs, specialty packaged food items



Real-World Benefits

- **High Precision & Integrity-** Servo-controlled intermittent motion ensures accurate leaflet insertion and reliable carton closure for pharma, medical device, food, and cosmetic products.
- **Compact Footprint-** Cleanroom-ready, space-efficient layout designed to fit seamlessly into modern production environments.
- **Fast Changeovers-** Tool-free adjustments minimize downtime and support flexible, multi-format operations.
- **Hygiene & Compliance-** GMP-aligned construction suitable for regulated pharmaceutical, medical, food, and cosmetic workflows.
- **Operator-Friendly Access-** Open, balcony-style design improves visibility, maintenance access, and overall safety.