



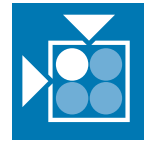
Langen Group product portfolio

Competence along the line

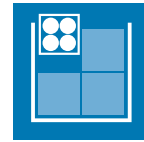
Langen Group offers integrated solutions from secondary packaging equipment to palletizing. Depending on application a wide range of infeed, collation, and the product handling systems followed by a choice of cartoning, case packing and palletizing systems are offered. Customers have an option to add additional equipment such as check weighers, printers, and metal detectors.



INFEEED



CARTONING



CASE PACKING



PALLETIZING

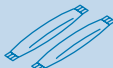




Infeed and collation systems

Providing product infeed and collation systems has been a core competency of Langen Group since our inception. Our proven experience with multiple pack configurations, automatic infeeds and product collation systems allows us to quickly and effectively provide integrated secondary packaging solutions. When a custom engineered solution is needed, our engineering depth and expertise assures a successful solution that will meet your product handling and packaging needs.



Langen Group MARIN™
Intermittent motion hygienic cartoner

DEDICATED INFEEED SYSTEMS BY APPLICATION

	INTERMITTENT		CONTINUOUS	
	SMALL	LARGE	MID-SIZE	LARGE
STICK PACKS 	✓ FLEXCOUNT™		✓ FLEXCOUNT™	
POUCHES/ SACHETS 	✓ starwheel and linear servo pack		✓ starwheel and bomb bay	
BAGS 	✓ direct feed	✓ direct feed	✓ starwheel and bomb-bay	✓ starwheel and bomb-bay
FLOW WRAPS  e.g. cereal bars	✓ linear servo pack	✓ linear servo pack	✓ delta robot modules	✓ delta robot modules
FLOW WRAPS  e.g. trays, rolls	✓ direct feed	✓ direct feed	✓ overhead, in-line, high bucket wall	✓ overhead, in-line, high bucket wall

Cartoning equipment

Cartoning equipment has been one of our core competencies for many years. We offer a wide range of manual load and fully automatic series.

Type	Max. speed (cpm)	Description
AIR™ (XL)	70 (90)	Continuous manual infeed cartoner. Cost effective combination for applications demanding flexibility, reliability, and highest end product quality.
B1-M™	120	Manual load continuous motion cartoner with extension options for higher speed possibilities.
MARIN™	60	Cost effective intermittent cartoner developed for demanding applications.
VENTO™ H	500	The Langen Group VENTO™ Hygienic series provides a unique combination of speed, footprint an flexibility in combination with unique hygienic features.
MAESTRO™	500	The Langen Group MAESTRO™ is a high speed cartoner combining superb accessibility with great flexibility.
C-1000™Hi	70	Can handle even larger cartons sizes and combines versatility, flexibility, with reliability, and availability.
VCC™ & VTF™	300	Version for bottles and special version with robotic infeed systems for specific product handling. Single and optional dual carton magazine, tube options, and robotic magazine loader (RML).
LRC-400™		Robotic top load cartoner for demanding applications requiring individual modules for carton forming, carton loading and carton sealing.



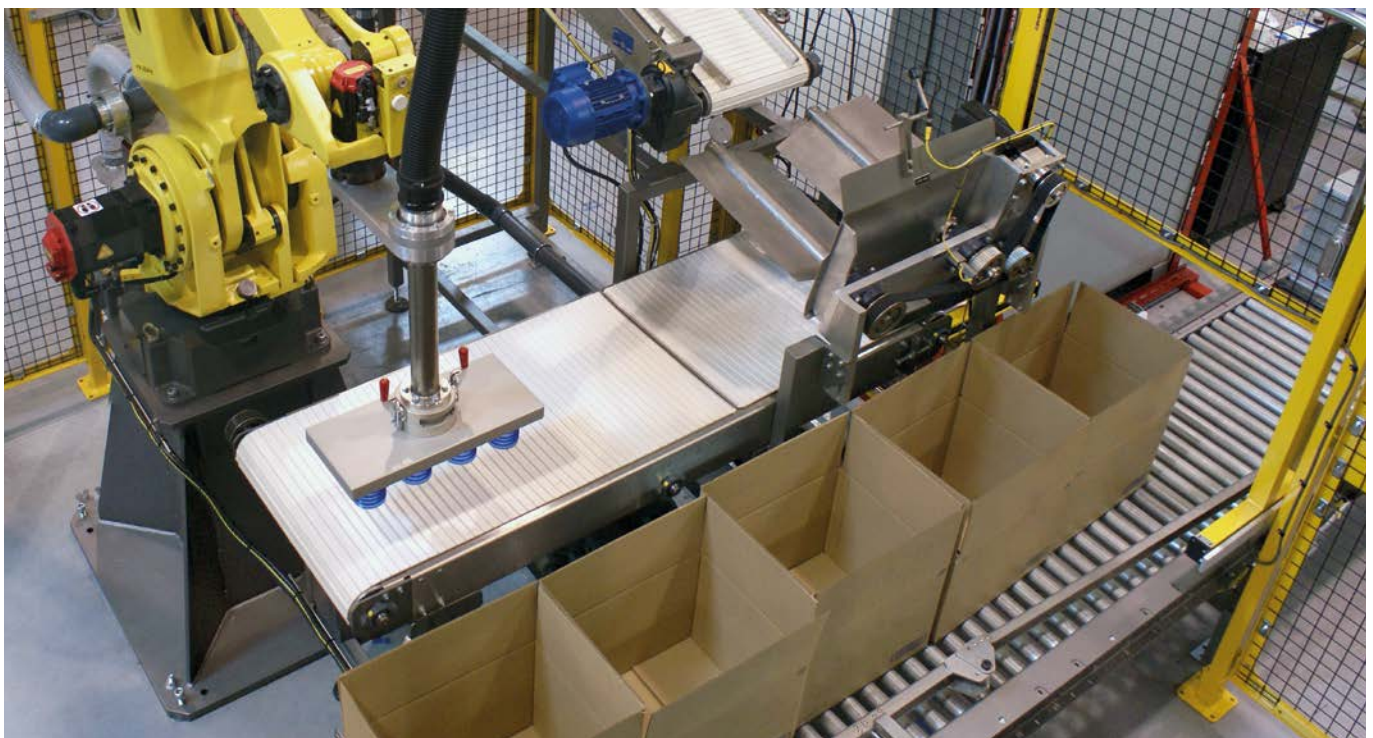
Langen Group VENTO™ Hygienic series



Case packing & palletizing equipment

The Langen Group has a long history of providing reliable and robust case packing and palletizing equipment to leading global manufacturers. Our highly flexible standard solutions commonly load RSC, HSC and tray containers. When a custom engineered solution is needed, our vast engineering expertise ensures a successful solution that will meet your packaging needs.

Type	Description
BORA™	The Langen Group BORA™ is a compact top load case packer for various applications requiring a small footprint machine with flexibility and quick change-over.
LRC-500™	A durable robotic top load case packer that provides quick change-overs, increased flexibility and greater reliability than conventional case packers.
LRC-600™	A fully automated robotic palletizing system quicker change-overs, increased flexibility and greater reliability than conventional palletizers.
LRC-700™	A combination robotic palletizer and top load tray/case packer offering quick change-overs, increased flexibility and greater reliability than conventional equipment.



LRC-500™ Robotic topload case packer

All information given in this document is dependent upon final machine specification, infeed arrangement, product type and carton specification.

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