

RUSHMOVER

The fully-automated modular circuit for the transportation of all types of pallet, suitable for all industrial sectors.



MODELS

STANDARD

Used for all sectors operating at ambient or controlled temperatures. Maintains constant operational levels at temperatures of up to +45°C.

BZ

Specifically for sectors operating at low or very low temperatures. Maintains constant operational levels at temperatures as low as -30°C.

HT

Specifically for sectors operating at very high temperatures of up to +55°C.

Patented by AUTOMHA in 2017

Range of application $-30^{\circ}\text{C}/+55^{\circ}\text{C}$

RUSHMOVER is the evolution of the Transport Wagon Loop machine. It is capable of connecting distant parts of a logistics system and of following articulated and flexible paths, even over long distances.

It is a circuit powered by a bus bar integrated into a light aluminium rail system on which rapid shuttles run, which are capable of handling pallets of varying weight and dimension; the RUSHMOVER system allows intensive productivity thanks to the exceptionally high speeds reached and perfect integration with pre-existing systems.

What really distinguishes RUSHMOVER from other Wagon Loop systems is its capacity to curve in two directions. This characteristic makes it

possible to manage extremely flexible routes set out over long distances, which respect pre-existing structures.

Furthermore, RUSHMOVER is a **scalable system**. The circuit in fact allows for the integration of additional shuttles into the loop over time, thus respecting the changing requirements of the client.

When necessary, or for maintenance, the RUSHMOVER shuttles can easily be removed from the circuit via a dedicated gantry without the need to completely shut down the system.

Furthermore, the vehicles running in the loop can be moved manually via a simple multi-lingual infra-red remote controller





TECHNICAL SPECIFICATIONS

TECHNICAL DATA		RUSHMOVER MODELS						
Data		u.m.	ROLLER CONVEYOR			CHAIN CONVEYOR		
IDENTIFICATION	Pallet dimensions (D=depth/ F=forking side)	mm.	800(D)X1200(F)	1000(D)X1200(F)	1200(D)X1200(F)	800(D)X1200(F)	1000(D)X1200(F)	1200(D)X1200(F)
	Power supply	Type	Electrical					
	Carrying Load	kg	1200					
	Temperature range ST / BZ / HT	°C	BZ -30 / 0 ST > 0 / +45 HT > 45 / +55					
KG	Machine weight	kg	698	710	723	735	735	735
WHEELS	Running wheels	Type	Polyurethane					
	Wheel size front / rear	mm	250					
	Number of driving wheels	nr	2					
	Number of idle wheels	nr	2					
	Number of side alignment wheels	nr	4 on motor axle / 4 on idle axle					
DIMENSIONS	L1 total length (ref. technical drawing)	mm	2040			2040		
	L2 total width (ref. technical drawing)	mm	1575			1550		
	L3 Conveyor width	mm	935	1135	1335	1000	1000	1000
	L4 Conveyor travelling height from ground level	mm	750 +/-50			800 +/-50		
PERFORMANCE	Max travelling speed in straight path	m/min	120					
	Travelling speed in bends	m/min	40					
	Acceleration / Deceleration	m/s ²	0,5					
MOTORS	Travelling motor power	kW	2,2			2,2		
	Max conveyor motor power	kW	1,1			1,5		
VARIOUS	Rail type	Type	180x60 Aluminum profile					
	Rail gauge	mm	750					
	Power supply feeding	Type	power bus bar					
	Main power	Type	AC current 400V - 50/60 Hz. (others on request)					
	System working time	h/day	24/7					
	Colors	Type	Body: White RAL 9003 - Chassis: Black RAL 9005					

Rails configured to integrate the bus bar and the QR code reading strip
 CAN-BUS-based communication system
 On-board anti-collision hardware system fitted to every single vehicle
 Maximum transportable weight 1500 Kg
 Variable loading/unloading weight Shuttle speed m/120'
 Gantry for machine extraction during maintenance

ADVANTAGES

- Modular system
- Possibility to change direction
- Handling of long and complex routes
- Light and easy-to install rails
- Easy maintenance
- Radio controller for manual commands capable of handling multiple shuttles
- Installation of on-board roller or chain conveyor according to requirements
- Suitable for all types of pallet
- Suitable for all industrial sectors
- Constant operational levels at temperatures of between -30°C and $+55^{\circ}\text{C}$
- Designed by AUTOMHA

