

Pallet shuttle Flexy



Specifications

1. Pallet detection
2. Antenna
3. Emergency button, sensitive edges and navigation sensors
4. Control by Proface PLC with Ethernet communication port and built-in operator panel
5. Polyurethane wheels
6. Compartment for 24 V lithium battery fitted with BBS (Battery Balancing System) to ensure optimum support when discharging and a drastic reduction in balancing times when charging is complete
7. Frames
8. Beams
9. Guide rails

Shuttle for multi-depth pallet racking.

It allows great storage depth, possibility of selection by channel and a high flow of material.

Flexy, the shuttle designed and manufactured by the Ferretto Group, is the ideal solution to manage a multi-depth storage system for large



quantities of pallets by item with high rotation frequency.

It facilitates the storing, picking and rearranging of pallets in various lanes according to LIFO and, in the case of double-access, FIFO principles.

The shuttle can be transported on forklift trucks or on LGVs and can be used in automated storage and retrieval systems.

A shuttle equipped with lithium batteries for its operation, Flexy can be guided into drive-in racks via remote control or via WMS management systems.

In addition to the standard version which is ideal for any environment and product sector, the Ferretto Group offers a version of the Flexy shuttle suitable for cold storage operating temperatures up to -30 °C.

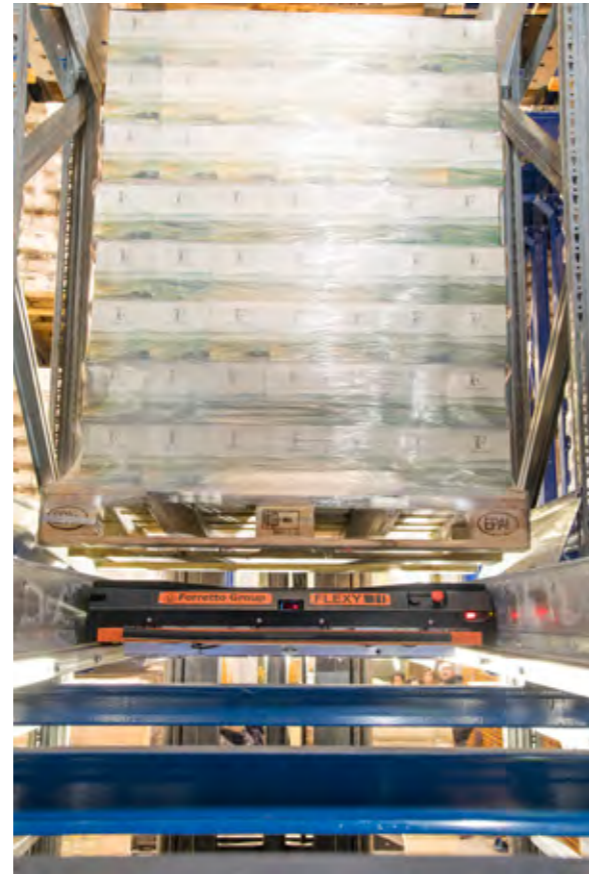
Technical specifications

FEATURES

MODEL	FLEXY 800	FLEXY 1000	FLEXY 1200
DIMENSIONS (mm)	970x990	970x1.190	970x1.390
UL (mm)	800x1.200	1.000x1.200	1.200x1.200
MAX WEIGHT (kg)	1.500	1.500	1.500
T°	+5°/+45° (Standard vers.)	+5°/+45° (Standard vers.)	+5°/+45° (Standard vers.)
	-30°/+5° (Frozen vers.)	-30°/+5° (Frozen vers.)	-30°/+5° (Frozen vers.)
LIFTING (sec)	3	3	3
EMPTY SPEED (m/sec)	1,1	1,1	1,1
FULL-LOAD SPEED (m/sec)	0,65	0,65	0,65
BATTERY LIFE (h)	8	8	8
BATTERY CHARGE (h)	6	6	6

Features

- Scalability: the number of shuttles may be increased over time
- It can be integrated with the warehouse management software WMS
- Diversification: each channel offers the ability to manage a different reference
- High material flow: each forklift can handle up to 4 shuttles
- Safety: the operator does not enter the channel



Close-up of pallet picking with Flexy satellite

Close-up of pallet positioning on satellite

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