



stow Atlas[®] 1D Pallet Shuttle

The integrated deep lane storage
and retrieval pallet shuttle
system.

STOW ATLAS® 1D PALLET SHUTTLE

The stow Atlas® 1D Pallet Shuttle system is a deep lane storage and retrieval system. The heart of the system is a carrier used to move pallets within a specifically designed racking structure. This results in optimized storage capacity.

stow Atlas® 1D Pallet Shuttle is ideal for applications consisting of Multi-shift, High Throughput, LIFO/FIFO, Coldstore High Density (down to -13°F), and ambient High Density.



- 1/ Platform
- 2/ Running wheels
- 3/ End buffer
- 4/ Battery cover with handles
- 5/ Anti-slip coating

- 6/ Side wheels
- 7/ Pallet sensors
- 8/ Running sensors
- 9/ Emergency stop
- 10/ Start-stop key

THE OPERATION

The pallet shuttle system consists of a specific rack and a mobile shuttle. This shuttle is a self-powered device that runs on rails in the storage lanes to load and unload pallets. The forklift will place the stow Atlas® 1D Pallet Shuttle in front of the lane for either load retrieval or load replenishment. From its home position, the shuttle performs the loading and unloading tasks without any further human intervention.

These tasks are communicated by the forklift driver using a remote control. Once the task is completed, the shuttle returns to its home position and is then ready to be transported with a forklift to a new lane for a new task. Each shuttle unit runs on lithium batteries with a long operating time (up to 16h) and a short charging time (max 3h).

(CLEAR BENEFITS FOR EVERY APPLICATION)

- › Complies with the European FEM and EN regulations quality assured to ISO 9001.(BQA N° 019 QMS)
- › Computer aided design ensuring the best solution for every application, including static calculation

- › All components have been thoroughly tested in specialized laboratories.
- › Fully automated production to a high quality standard and in a cost - effective way



THE HIGHEST POSSIBLE STORAGE DENSITY

By introducing more shuttles into your racking system, the performance will increase. The system can be used for new installations as well as for refurbishments, and is independent from the number and the depth of the lanes. The automated system guarantees the highest possible storage density.



CHARACTERISTICS

- Speed: 2.62 f/s loaded – 3.28 f/s empty
- Load capacity: 55 lb - 3300 lb
- Different pallet types can be used: GMA, Euro, industry & combined. Also big bags, CP 1-9, plastic pallets.
- The system is designed to work in temperatures from -13°F upwards.
- The lane depth is unlimited.
- By utilizing Lithium-ion battery technology, we guarantee maximum operating time.
- The electro-mechanical lifting device is easy to maintain, and ideal for coldstore applications.
- LIFO and FIFO are possible in the same installation.
- Inventory counting capability.
- CE certified and ISO 9001. (BQA N° 019 QMS).

SEVERAL SPECIAL APPLICATIONS ARE AVAILABLE

Eg. two pallets per shuttle, barrel storage etc...

Ask our staff for a feasibility request in case of special applications.



we rack the world

www.stow-group.com

Headquarters: stow Group • Industriepark 6B, 8587 Spiere-Helkijn, Belgium • info@stow-group.com

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