



stow



# New features of the stow Atlas<sup>®</sup> pallet shuttle.

Introducing the stow Atlas<sup>®</sup> 4.0

we  
rack  
the  
world.

# All the trusted features of the stow Atlas<sup>®</sup>, now with even more benefits.

The stow Atlas<sup>®</sup> pallet shuttle is an advanced, semi-automated AS/RS designed to optimize pallet handling in high-density warehouses. Operating within racking systems, it efficiently transports pallets, reduces handling times, and maximizes storage capacity.

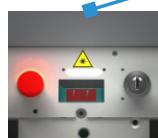
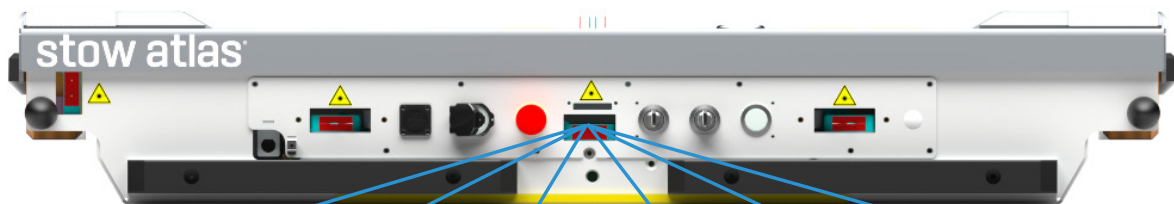
Introducing the stow Atlas<sup>®</sup> 4.0 – the pinnacle of innovation in shuttle technology. Since 2011, stow has been a leader in producing high-quality pallet shuttles, with over 500 shuttles manufactured each year and a vast installed base worldwide. Engineered for exceptional operational efficiency, superior serviceability, and ultimate reliability, this next-generation shuttle embodies the engineering excellence and commitment that define our work. Elevate your warehouse performance with the stow Atlas<sup>®</sup> 4.0!

## Discover the redesigned stow Atlas<sup>®</sup> 4.0

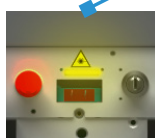


### Redefined serviceability

- **Movü Onboard Controller (MOC):** Featuring an in-house developed onboard controller and plug-and-play connectors, the stow Atlas<sup>®</sup> 4.0 ensures faster maintenance and simplified repairs, reducing downtime while streamlining operations.
- **Wire harness redesign:** A clean, standardized cable system improves reliability, assembly speed, and serviceability, while making the shuttle's internal layout cleaner and more efficient.
- **New LED indicator:** Provides clearer, real-time operational feedback, enhancing awareness and simplifying diagnostics with intuitive light signals for different machine statuses.



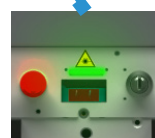
**White**  
Magnet activated



**Yellow**  
Manual mode activated



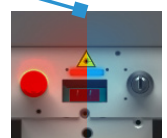
**Red**  
Emergency stop  
Error detected



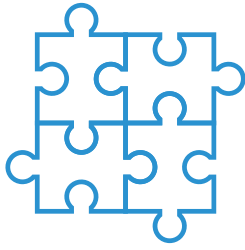
**Green**  
Shuttle operational



**Blue**  
Shuttle charging

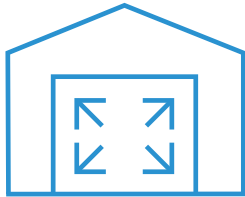


**Blue/Red**  
Charging needed



## Enhanced flexibility for every operation

- **Unified design across all options:** Modular user panels and a flexible architecture ensure that all enhancements and features are available for every shuttle type – even for aftermarket demand.
  - Magnets
  - Scanner
  - In-lane charging
  - Wi-Fi (for integration with a WMS and/or AGV's)



## Advanced operational performance

- **Programmable to your needs:** Benefit from enhanced monitoring, improved maintenance planning, and more adaptable pallet-handling capabilities to meet a wide range of storage requirements.
- **Compatibility:** Seamlessly integrates with stow's existing chargers and batteries, ensuring easy incorporation into your current operations.

stow Atlas®: Helping you to maximise storage space



**1,500 kg**  
max. load



**0.8 m/sec**  
speed loaded



**1 m/sec**  
speed unloaded



**0.5 m/sec<sup>2</sup>**  
acceleration &  
deceleration



**+40°C**  
max. temp.



**-30°C**  
min. temp.



**10 h**  
autonomy



**2 h**  
charging time

## Types of shuttles

The stow Atlas® stands out in featuring tailored shuttles that provide optimal pallet support. By lifting directly under the blocks, it minimizes the risk of plank damage and ensures pallet integrity – a key driver for long-term warehouse efficiency.

- ATLAS 4.0 1200x1000 INDU / Combi – Pallets
- ATLAS 4.0 1200x800 EURO – Pallets
- ATLAS 4.0 1000x1200 GMA / US – Pallets
- ATLAS 4.0 1200x1200 1200x1200 Pallets
- ATLAS 4.0 1140x1140 CP3 – Pallets
- ATLAS 4.0 1150x1000 CP1 – Pallets
- ATLAS 4.0 1165x1165 AU – Pallets

## Featuring a robust, intuitive remote

The stow Atlas® shuttle is controlled via a robust, intuitive remote using RF communication. Designed for demanding industrial environments, the remote has a large, easy-to-use buttons for effortless operation – even when wearing gloves. RF technology ensures a reliable and cost-effective connection, enabling seamless and uninterrupted shuttle performance throughout the warehouse.

- Rigid handheld design
- Operating temperature: -30°C to +40°C
- Graphical display
- Two-way communication (433MHz/915MHz): commands to stow Atlas®, status messages from stow Atlas® to remote.
- Battery autonomy: up to 16 hours
- Charger and/or carkit (lift-truck) are available
- Controls up to 99 shuttles

The stow Atlas® also offers a standardized TCP/IP protocol, enabling direct control via your WMS or AGV system over a Wi-Fi connection. This makes integration into existing workflows straightforward and future-proof.

## Integrated software 'AtlasConnect'

By implementing AtlasConnect at customer sites and on shuttles, stow enables seamless remote connectivity to configure and adjust shuttle parameters without the need for on-site visits. The stow Service team can efficiently perform remote software updates and upgrades, ensuring machines are always running on the latest firmware with improved functionalities and crucial bug fixes.

In the event of a failure, stow experts conduct a thorough root cause analysis to diagnose the issue. If on-site intervention is required, they ensure the problem is resolved correctly the first time, minimizing downtime and maximizing efficiency.





## All the trusted features of stow Atlas®, now with even more benefits

At stow, we place customer-centric solutions at the forefront of our innovations. The stow Atlas® 4.0 delivers tangible advantages that make a real difference to your daily operations.



**Higher operational uptime:** Minimized maintenance delays thanks to simplified serviceability.



**Reduced costs:** Optimized system design leads to lower repair costs and faster installation.



**Modular design:** Wider variety of options and upgradeable in aftermarket.



**Proven quality:** Engineered for durability and reliability, ensuring consistent performance.

## Why stow

With over 45 years of experience, stow continues to set the standard for racking systems and solutions. The stow Atlas® 4.0 embodies our dedication to creating powerful and reliable products that adapt to your operational needs.