ADDVERB

Skyron

CRANE ASRS

Skyron is our Crane based ASRS for pallet handling and high-density storage requirements of up to 40m. It enables fast and safe load movement for enhanced inventory management and order fulfilment. Its modular design offers quick assembly and various configurations to meet business requirements.

Technical Specifications

General Specifications

Max Payload	1500 kg
Max Vertical Reach	Up to 40 m
Supported Pallet Range	Up to1200 x 1200 mm (Customizable)
Power Infeed	5-Pole Bus Bar
Operating Temperature	-25° to +45° C
Travelling Drive	Travelling Motor with Axle Drive

Speed and performance

Travel Speed	Up to 4 m/s
Travel Acceleration	Up to 0.8 m/s^2



Technical Specifications

Communication

Communication Mode	Optical Data Transmission
Control Mode	Class 200 D / Class 100 B

Approach Dimensions

Bottom (Single Deep)	500mm (Min), 1000mm (Max)
Bottom (Double Deep)	790mm (Min), 1150mm (Max)

Safety

Limit switch

Hydraulic shock absorber

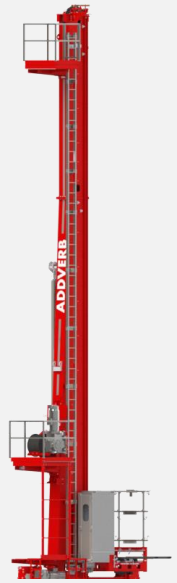
Mechanical bumpers

Accessories

Chain/Roller Conveyors

Profile Checker

Shelving, Racking



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Key Benefits:

- Maximises available floor space by enabling vertical storage of up to 40m
- Seamless integration with WMS for real-time inventory visibility and traceability
- Operates in diverse environments from -25°C to +45°C, ideal for multiple industries
- Flexible configuration options including single, double, or multi-deep storage
- Minimum approach dimension of 500mm for highly efficient storage

FEATURES

Storage Efficiency

Utilises vertical space efficiently, maximising storage capacity within the warehouse

Versatility

Single-deep, Double-deep, and Multi-deep storage variations, operate between -25°C and +45°C to meet varied requirements

Accurate Positioning

High-precision laser distance sensors enable accurate crane positioning, ensuring reliable storage and retrieval with minimal deviation.

Modular Design

Ease of installation and maintenance with robust build , advance controls result in high system availability and safety

Robust Communication

Reliable and high-speed data exchange enabled by optical communication devices ensures seamless coordination between Crane and Software system.

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