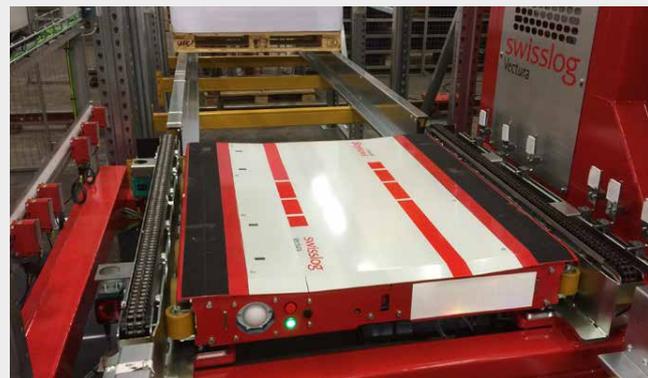# VERTIFLEX

swisslog

RELIABLE & ENERGY EFFICIENT
PROVEN PALLET TECHNOLOGY WITH A FLEXIBLE DESIGN

Vectura is a fully automated stacker crane for storage and retrieval of palletized goods in high bay warehouses.
Swisslog's Vectura stacker crane has a modular structure and is designed based on a set of standard components and modules to offer maximum flexibility. It can be used for single, double-, triple- to multi-deep storage, using the RowCarrier.

With its proven technology and flexible design, Swisslog's Vectura pallet stacker crane accommodates a wide variety of pallet configurations in high-bay warehouses and distribution centers.

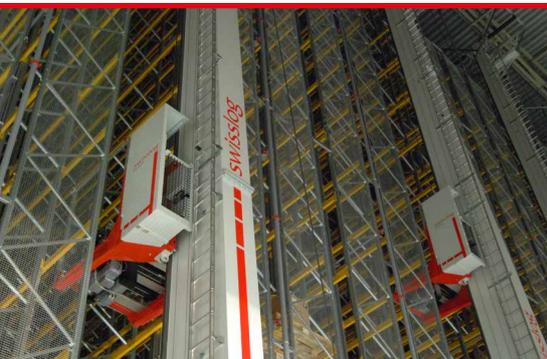**Designed to store and retrieve pallets more energy efficient**
Vectura was designed for industries where a high variety of pallets and heavy products such as cars need to be stored. It is particularly energy efficient and sets high standards in quality. Vectura brings together the best engineering and pallet stacking know-how in the industry.

BENEFITS

■ **Sustainable**
Up to 20% lower energy consumption compared to traditional cranes, thanks to innovative mast design and lighter crane weight design.

■ **Versatile**
Storage of different pallet sizes in one system.

■ **Reliable**
Low crane weight compared to traditional cranes means less wear and tear, while high quality production reduces maintenance and service costs.

■ **Plug&Play**
All Vectura pallet cranes are assembled and tested before shipping. This ensures a minimum time for installation and commissioning on site.

Projects implemented with Vectura: **GRIES DECO COMPANY ¦ XPO ¦ UNILEVER**

VECTURA IS A TOP-QUALITY CRANE AND CAN ACCOMMODATE A BROAD RANGE OF REQUIREMENTS

■ MAST   ■ CHASSIS & LOAD HANDLING   ■ SOFTWARE & CONTROLS

Mast

The tapered mast construction reduces power requirements and improves performance. It always comes with an emergency cabin for manual operation. The lifting carriage is close to the mast, which is convenient for access during servicing. There are also optional on-ride cameras for better visibility of the goods.

The mast sections are standardized and the Vectura crane only has to be adjusted on the top section for project-specific heights. The crane is positioned asymmetric to the centre of the aisle, to allow better access.
To ensure best quality, Swisslog uses unique production technology with automated welding robots. Stress and deflection analysis of mast and chassis (static and dynamic forces).

Chassis

All bottom frames are heat treated after welding to remove residual stresses from the material. This reduces the pressure and ensures a longer lifetime. Length is projectspecific according to stability requirements. Perfect alignment of wheels guaranteed for the lifetime of the crane.

Load Handling Units

Vectura comes with telescoping forklifts for single- to triple-deep storage to reach up to 4.25 m and load weight up to 1,270 kg. The crane is positioned asymmetric to the centre of the aisle, to allow better access. The RowCarrier is power cap driven and rackindependent.

SynQ Warehouse Management System

Vectura comes with a standard software application developed by Swisslog. Efficient storage and retrieval strategies trigger transport tasks for all movement of goods at the optimum time. In addition, the software application offers a number of general features including user management, pallet location management, and interfaces to integrate Vectura with complementary subsystems, such as pallet conveyors. Visualization and statistics functions complete the application.

Control

Vectura's movements are controlled by CraneBox software. CraneBox ensures that transport tasks are executed properly and monitors processes to guarantee optimized interaction between subsystems.

FACTS

Load range	200 to 3,500 kg
Heights	4 to 45 m
Throughput	20 to 45 double cycles/h
Speed of operation	up to 5 m/s
Vertical speeds	up to 1.5 m/s
Product range	single and double mast
Storage density	single to multi-deep
Temperature range	from -30° C to 50° C (-22° F to 122° F)

■VERTIFLEX

VertiFlex s. r. o.

📞 +420 554 818 554

@ sales@vertiflex.eu

ⓦ **www.vertiflex.eu**

FOLLOW THE RED BOX