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ferag.starlift
Vertical Lift Solutions

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More information can be found online

Compact Solutions for Maximum Space **Efficiency**

ferag.starlift are automatic vertical lift modules with trays, based on the concept of vertical storage and space saving on the ground. All types of material can be stored in a secure, clean, efficient manner, and they allow a footprint saving of up to 90%.

There are three models to choose from depending on requirements: Slim, Lift and Pallet.

ferag.starlift Slim

ferag.starlift Slim is the smart choice for anyone looking for a vertical storage solution with complete flexibility.
All the advantages of Vertical Lift Module (VLM) technology in:

- **3 m2 of floor space**
- **1.6 m depth**

ferag.starlift Slim is built on a pre-assembled base module which is easy to move and quick to install.
This means that the VLM can be set up in your plant and ready to use in 48 hours.

Technical Data	
Height	from 2,400 mm to 7,000 mm
Unit Height Increment	100 mm
Tray storage pitch	25 mm
Tray Width	1,300 mm - 1,900 mm - 2,500 mm
Net tray payload	350 kg
Tray depth	425 mm
Throughput	up to 190 trays per hour (depending on config.)
Operator Interface	Industrial console with 10.4" touchscreen
Number and type of bay	1 internal bay with single delivery level
Minimal energy consumption	1.2 kW/h for SLIM 1.3 model, H=7,000 mm
Power supply	Single-phase (230V) and Three-phase (400V)
Transmission	Steel-reinforced toothed transmission belt (4 belts

ferag.starlift Lift

ferag.starlift Lift can reach a unit height of 16.1 metres with a weight capacity up to 90,000 kg.

You can configure the ferag.starlift Lift in different ways depending on how you plan to use it, with different types of picking bays.

- **Up to 120 trays per hour**
- **12 bay configurations**
- **990 kg payload for trays up to 4,100 mm**

Technical Data	
Height	3,300 mm to 16,100 mm
Unit Height Increment	200 mm
Tray storage pitch	25 mm
Tray Width	1,500 mm to 4,100 mm
Gross total payload	from 35,000 kg to 90,000 kg depending on model and configuration
Tray depth	654 mm - 857 mm - 1,257 mm
Maximum storage height capacity	695 mm (bay S) / 895 mm (bay M) / 1,295 mm (bay XL
Throughput	up to 120 trays/hr (depending on the configuration)
Operator Interface	industrial console with 10.4" touch screen (Copilot)
Number of bays	up to 3, including above ground level and on the same side
Types of bays	internal or external with single or dual delivery level

ferag.starlift Pallet

ferag.starlift Pallet has been designed for the storage of 1,200x800 mm Euro pallets, in any case allowing the use of standard trays for bulk material.

The loading bay measures the incoming pallet, checking its weight and height. Based on the resulting values, the system identifies the most suitable position among all those available in the storage system.

*   ferag.starlift Pallet can store **pallets as well a bulk and packaged products or boxes**.
*   It is possible to **combine multiple ferag.starlift Pallet** and equip only one of them with the loading bay.
*   ferag.starlift Pallet is based on modular and intelligent technology which, thanks to the **ferag.doWarehouse software**, integrates with other technological solutions.

Technical Data	
Height	from 4,300 mm to 16,100 mm
Unit Height Increment	200 mm
Tray storage pitch	25 mm
Tray Width	From 1,500 to 4,100 mm
Taray depth	1,257 mm
Total gross capacity	From 35,000 to 90,000 kg (according to models and configuration)
Maximum storage height	1,200 mm (product) + 144 mm pallet height: total height 1,344 mm
Storable material	It is possible to manage pallets and bulk material at the same time
Operator interface	10.4" touch screen industrial console (Copilot)
Types of bay	1 pallet bay on the ground + 2 standard bays (also at a height)