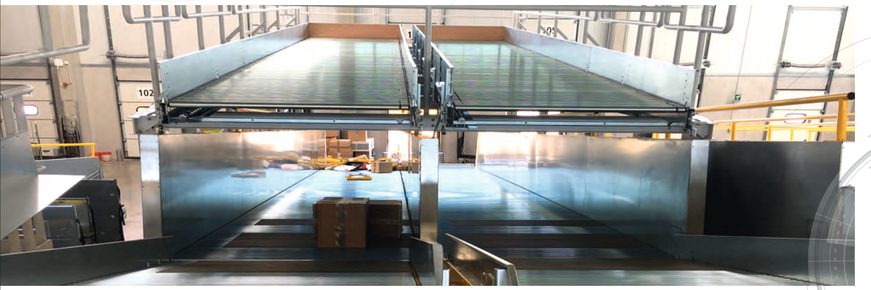
Key facts:



Multilayer 7000

Storage capacity:	**7 m³**
Number of shipments*:	**> 200**
Space requirement:	**29.5 m²**

Multilayer 7000S

Storage capacity:	**7 m³**
Number of shipments*:	**> 200**
Space requirement:	**19.2 m²**

*average shipment size:
LxWxH [mm] 465x317x233

- Seperation of loading and unloading process
- Higher efficiency – reduced idle times
- Less space requirement
- Intelligent pre-sorting
- Smooth sorting process
- Optimized staffing
- Relief of the driver through ergonomic loading process
- Optimized building size and infrastructure usage

LIPPERT - More Than Just A Business Partner

We at LIPPERT are aware of our responsibility towards you as our customer. We design technical solutions to ensure smooth, reliable and long-lasting logistics processes. We want you to secure your market position and to satisfy your customers at all times. That is why we believe in market expertise, in tailoring systems to best meet your needs, and in staying in dialog with you. We also believe in using both proven technology and new, innovative approaches - always with a single purpose in mind: To help you meet your daily challenges.

Come and talk to us!

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LIPPERT

engineering solutions

Smart Terminals - Made by LIPPERT

More Time and Space for Your Logistics!

Multilayer Terminals

LIPPERT's intelligent multilayer terminals allow the intermediate storage of parcels, small packages, bags and other items - to uncouple the loading cycles from the unloading cycles.

Demand-oriented shipment handling

Different customers have different requirements, and different shipments require specifically adapted handling modes. One of LIPPERT's major strengths is the design of solutions to best meet these challenges. To address these requirements and differences, LIPPERT created multilayer terminals which can be operated in different modes. When storing large volumes, the shipments are compactly stored in the terminal in several layers. To protect the shipments, it is even possible to set a maximum weight as threshold value. This prevents very heavy parcels from being sorted into the upper layers. When handling particularly sensitive shipments, layer building can be deactivated altogether. In that case, the shipments are only distributed across the surface, for optimized use of the surface storage volume.

Sensor-controlled layer building

In addition to building layers based on intelligent sorter discharging, LIPPERT's multilayer terminals also use sensor input for optimized results. The sensors are installed in a lifting unit which is the terminal's core component. As the unit is successively raised, the shipments are stacked on top of each other gently, unlike other systems commonly available on the market. The sensors detect free spaces and determine the optimal discharge points to fill these spaces, for targeted compaction. Once the top layer has been filled, the layers are forwarded piece by piece, and the layer building process starts anew. This makes it possible to accommodate some 200 average shipments with a total volume of approx. 7 m³ in the multilayer terminal.

LIPPERT Double Terminal: A new Dimension

LIPPERT's innovative Multilayer 7000S Double Terminal saves even more space while accommodating the same volumes - thanks to its optimized design and intelligent control. The principle is as simple as it is ingenious: The shipments are stored on two levels. Using the full available building height makes it possible to reduce the horizontal space requirement by up to 35 %. This is a huge advantage when faced with a small building area or when using existing buildings.

The distribution of shipments over the available terminal levels is based on threshold values as well as size and weight parameters. This means that large-volume or heavy objects are collected on the upper level whereas lightweight objects are collected on the lower level. The tried and tested lifting unit from LIPPERT's Multilayer series serves as a kind of switch, which obviates the need for additional materials handling equipment and the space to accommodate it. By building layers on the lower level and separating large shipments, the Multilayer 7000S creates storage volume for up to 7 m³ of shipment volume on a minimum area of 19.2 m².

The essential resource in focus: Your staff

LIPPERT'S Multilayer series allows you to completely uncouple the unloading and sorting process from the loading of the delivery vehicles. This means that you need zero manpower during the automated distribution of the shipments to the terminals for the destinations. The storage capacity is sufficient for at least 200 average consignments, which is commensurate with the typical loading volume of a delivery vehicle. This means that you can tailor vehicle loading according to your logistics and workforce planning.

The multilayer terminals are equipped with a pullout loading unit to simplify shipment handling for the deliverer while maintaining workplace ergonomics.
Another major advantage of the double terminal is the pre-sorting of shipments: Large items are not loaded until the end, so they don't have to be moved around several times and do not interfere with the loading of the vehicle - a huge timesaver!

Less manpower.

Less space.

For more flexibility for your logistics!

It‘s just like Tetris

LIPPERT's rugged, patented Rota-Sorter® will safely process any shipment mix - from lightweight, flat bags all the way to heavy, large-volume packages. In addition to sorting the shipment flows according to your defined destinations, even size and weight are factored into the sorting process to determine the desired discharge point. In combination with LIPPERT's multilayer terminals, this allows you to build optimized, systematic layers of shipments to make the most horizontal and vertical use of the storage space available at the multilayer terminals.

LIPPERT terminals are independent, modular units which can be easily combined with other commercially available sorter systems.