



## The **LEITNER** Rail-Storage Garaging System

The solution for optimum space utilisation

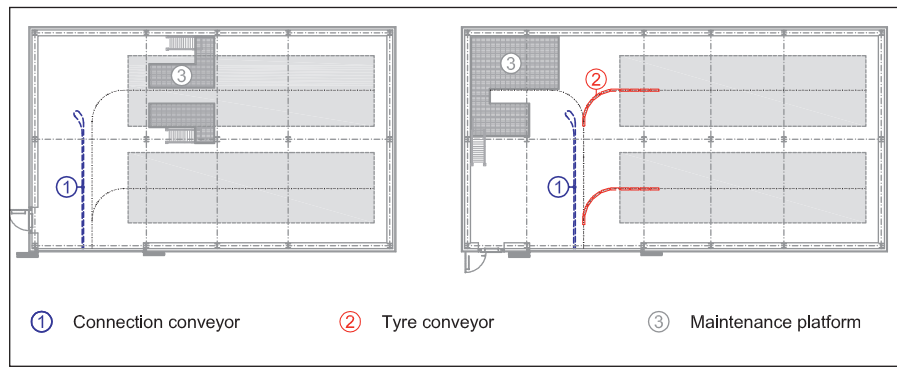
**Basis** The LEITNER rail-storage garaging system is installed if the available space has to be utilised with the highest possible efficiency. As fully automatic, semi-automatic or manual solution, the rail-storage garaging system allows the construction of parking buildings with minimal dimensions.

**Description** A connecting conveyor carries the vehicles from the station turnaround to the parking building. During this process, the connecting conveyor detects irregular distances between the vehicles and corrects them fully automatically by adjusting its speed. Consequently, the vehicles arrive at the parking building at equal distances. Moreover, the connecting conveyor also ensures equal vehicle distances during launching.

On the spur track of the system, the vehicles are moved by means of a tyre conveyor. The spur track is emptied by gravity, with the tyre conveyor controlling the speed of the vehicles.

With the semi-automatic version, the vehicles are moved manually on the spur track. Synchronisation with the installation is done via a connecting conveyor.

The most simple manual version also allows the garaging system to be installed without a parking building, e.g. for chairlifts without bubbles which are only parked in the off-season.



**Benefits** **Very close parking of vehicles** allows for the construction of an external parking building with minimal dimensions.

**Maintenance** can be performed in the parking building – **protected from the weather**.

In **combination** with an **inclined conveyor**, vehicles can also be **parked below** (or above) the **boarding level**.

### Technical data

Max. speed during garaging	Up to 5 m/s, depending on number and type of vehicles
Average space required per vehicle	GD10: approx. 9.10 m <sup>2</sup> GD8: approx. 7.82 m <sup>2</sup> CD8: 7.66 m <sup>2</sup> (with bubble) 6.71 m <sup>2</sup> (without bubble) CD6: 7.39 m <sup>2</sup> (with bubble) 6.56 m <sup>2</sup> (without bubble) CD4: 5.77 m <sup>2</sup> (with bubble) 5.14 m <sup>2</sup> (without bubble)
Operating modes	Fully automatic Semi-automatic Manual
Maintenance platform	In the parking building Open or integrated maintenance platform for rail-storage garaging without parking building