



# LEITNER Station Parking

## The garaging system that saves on space and cost

The LEITNER station garaging system is the space- and cost-efficient approach to conventional vehicle garaging. Combined with an integrated maintenance stand, this solution allows grips to be inspected away from the effects of the weather.

In the station garaging system, the vehicles are parked in the station turnaround itself. This is done by detaching the individual tires of the tire conveyor from the synchronizer train by means of pneumatic clutches or brake-clutch systems. Each clutch can be controlled individually to enable a fully automated garaging and launching process. The first vehicle to be garaged is parked in the station exit just before the start of the coupling rail. Proximity switches detect the position of the vehicle and activate the respective clutch. The other vehicles are then parked fully automatically in the station turnaround; the last garaged vehicle is parked just after the end of the coupling rail on the entry side. When out of service, the clutches are all deactivated, so that the vehicles are secured from the wind in the station turnaround. The vehicles are also launched fully automatically. Station garaging can happen at both stations simultaneously. If it is not possible to park all of the vehicles in the

station, the station garaging system can be combined with an additional spur track.

An additional parking building is not needed, which saves a considerable amount of expense and space. Systems used only to park vehicles in the summer (chairlifts without bubbles) can incorporate a cost-efficient, manual version of the clutches. The integrated maintenance stand enables grips to be inspected while protected from the weather.

### TECHNICAL DATA

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|------------------------|---|
| Maximum garaging speed | + chairlifts approx. 1 m/s<br>+ gondola lifts approx. 1 m/s to 4 m/s<br>(depending on parking position in the station turnaround) |
| Maintenance platform   | + integrated maintenance platform in station turnaround<br>+ additional maintenance platform on spur track                        |
| Operating modes        | + fully-automatic<br>+ manual   |