



## The **LEITNER HCL** Station

High-capacity loading – high-comfort loading

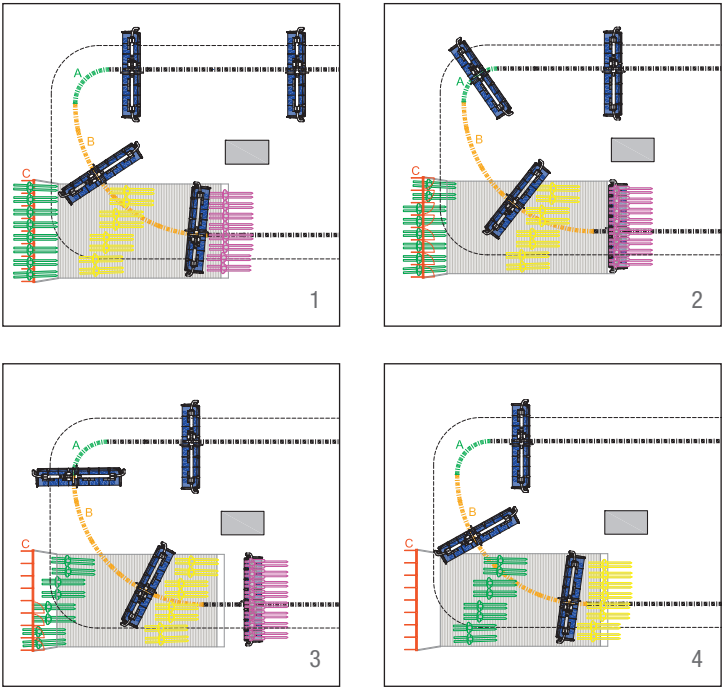
**Basis** While gondola lifts can easily be optimised in terms of boarding comfort by making the station longer, chairlifts require an optimal coordination of the courses of movement of the chair and the passenger in order to achieve the same improvement.

**Description** The station turnaround of the LEITNER HCL station is designed with two curves which have different radii. In the first curve, the chair makes a very sharp 90° turn. The second 90° curve, however, which follows immediately after the first, is designed with a very large radius.

Guiding the chair through curves in this way means that when the chair reaches the passenger boarding area, it has already completed three quarters of the 180° rotation required for the station turnaround, and that there is essentially more space for boarding available than with the standard station.

Additionally, the stream of passengers is controlled by an entrance gate, which opens at staggered intervals, so that the course of movement of the boarding passengers can be optimally adjusted to the geometry of the chair's curve track.

The LEITNER HCL station is also the perfect solution to optimally separate boarding and debarking between gondola and chair when it comes to telemix systems.



**Benefits** Thanks to the ideal **interlocking of the courses of movement** of the passenger and the chair, **more space** is created between the chairs, increasing the amount of time that the passengers have to “weave in” between the chairs.

Even at high transport capacity, **stress-free, comfortable** and **safe passenger boarding** can be achieved, leading to significantly **higher availabilities** for the operator.

If an installation is designed for maximum comfort, the HCL station, compared to the standard station, doubles the amount of time that the passenger has to board while the transport capacity remains constant.

**Technical data**

Station configuration	Drive station (drive frame movable by 2 m) Return station (max. lorry travel 5 m) Drive-tension station (max. lorry travel 3 m)
Possible transport capacity	Up to 3,600 p/h with 6-seater chairlift Up to 4,500 p/h with 8-seater chairlift
Station dimensions (station covering)	Length x width CD6-HCL: 22.6 x 8.6 m CD8-HCL: 27.1 x 9.8 m
Station turnaround velocity	Standard 1 m/s, can be adjusted to project specifications on customer request