

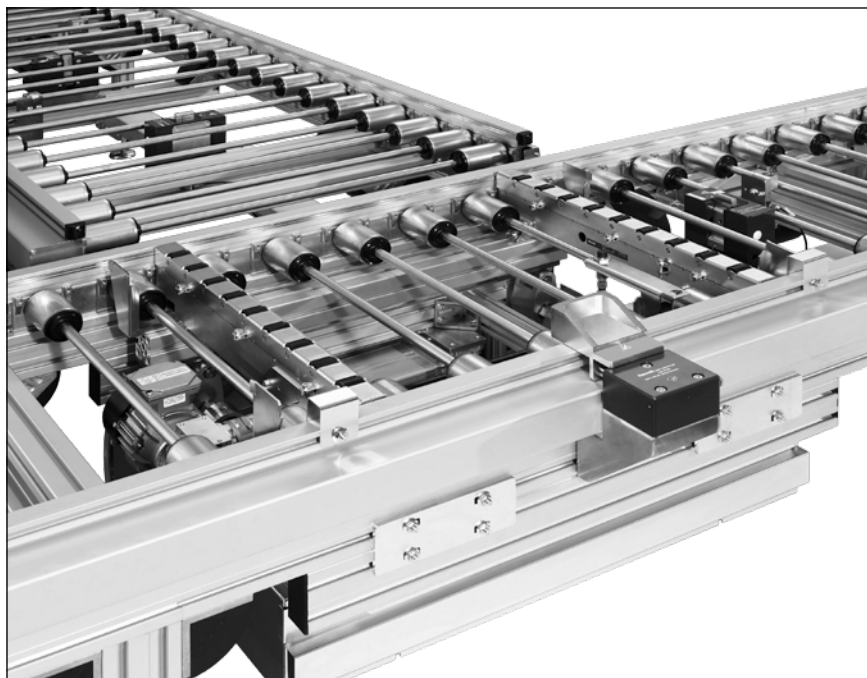
Design

Transverse conveyors are used to branch pallet paths into the individual processing stations.

When changing from a longitudinal conveyor to a transverse conveyor and vice versa, the workpiece pallet also changes its orientation with regard to its direction of transport.







Note:

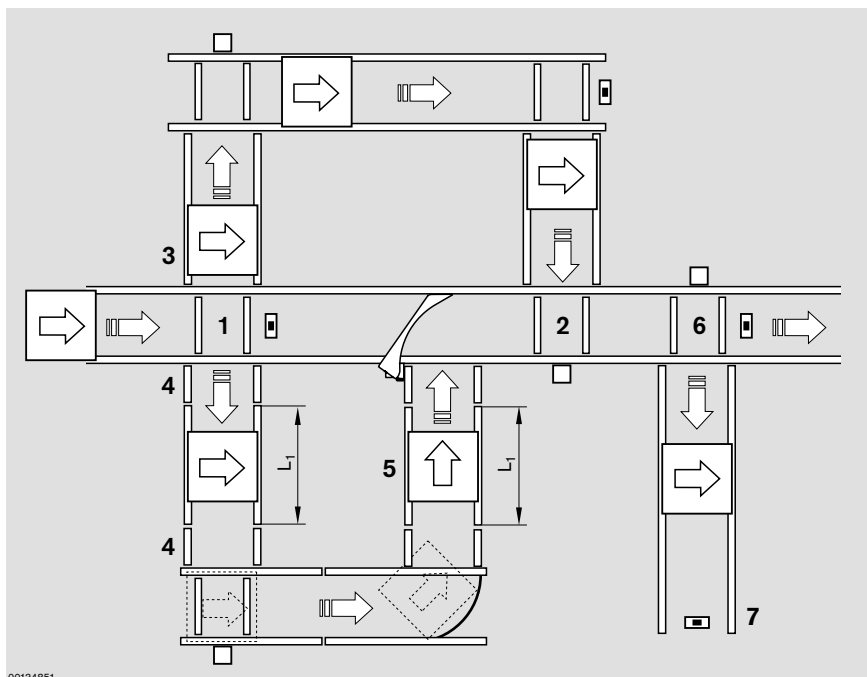
- Minimum speed of transverse section: 6 m/min
- Traveling through curves/diverters/junctions is only possible in a longitudinal direction (see arrow on workpiece pallet)!
- Accumulation is not permitted on HQ 5



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HQ 5 infeeding and outfeeding options.

- 1 Outfeeding to both sides
- 2 Infeeding from just one side   6-7
- 3 Connection of the transverse section (standard section) in a circuit with 4 lift transverse units   6-9
- 4 Connection of the transverse section (2x connection bridge + standard section) with parallel use of lift transverse unit and curve/diverter/junction   6-9
L₁: same section length
- 5 Rotation of the workpiece pallet by 90° with the combination of lift transverse unit and curve/diverter
- 6 Infeeding and outfeeding to dead end section
- 7 Dead end section with stop gate as end stop



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Transverse conveyors

Transverse conveyor sections include the following components:

- 1 HQ 5 lift transverse unit ☞ 6-4
- 2 Connection kit for connecting the transverse section ☞ 6-8
- 3 VE 5/D-300 or VE 5/D-1000 stop gate to stop the workpiece pallet when outfeeding ☞ 6-6
- 4 Connection bridge ☞ 6-9 to compensate for length with parallel use of lift transverse unit and curve/diverter/junction
- 5 DA 5/... damper to stop the workpiece pallet when infeeding ☞ 6-7
- 6 3 842 549 813 or 3 842 537 995 proximity switch to query the position of the workpiece pallet ☞ 9-11
- 7 Stop gate, if required, to pre-stop the workpiece pallet ☞ 9-8

