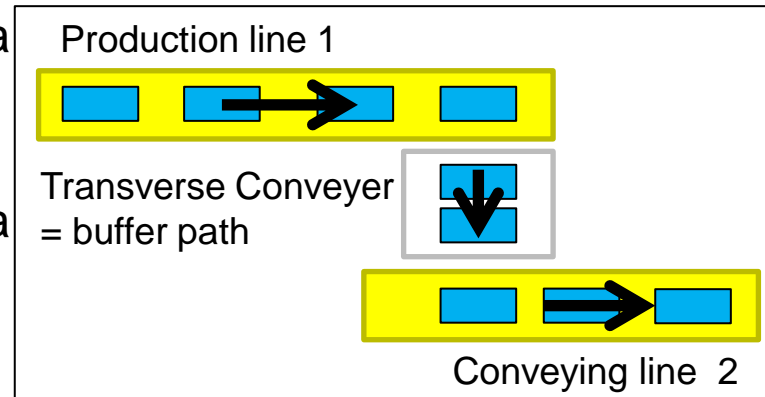


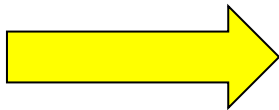
## Ring Buffer for Skid Conveyor Systems

# Transverse Conveyor is Buffer of Skid Conveyor Lines

- Similar to accumulation conveyors, a buffer segment is required at the skid transfer point.
- This buffer is normally designed as a horizontal transverse conveying path, this takes up a lot of space & is always dependant on the interlocking of the 2 production lines.



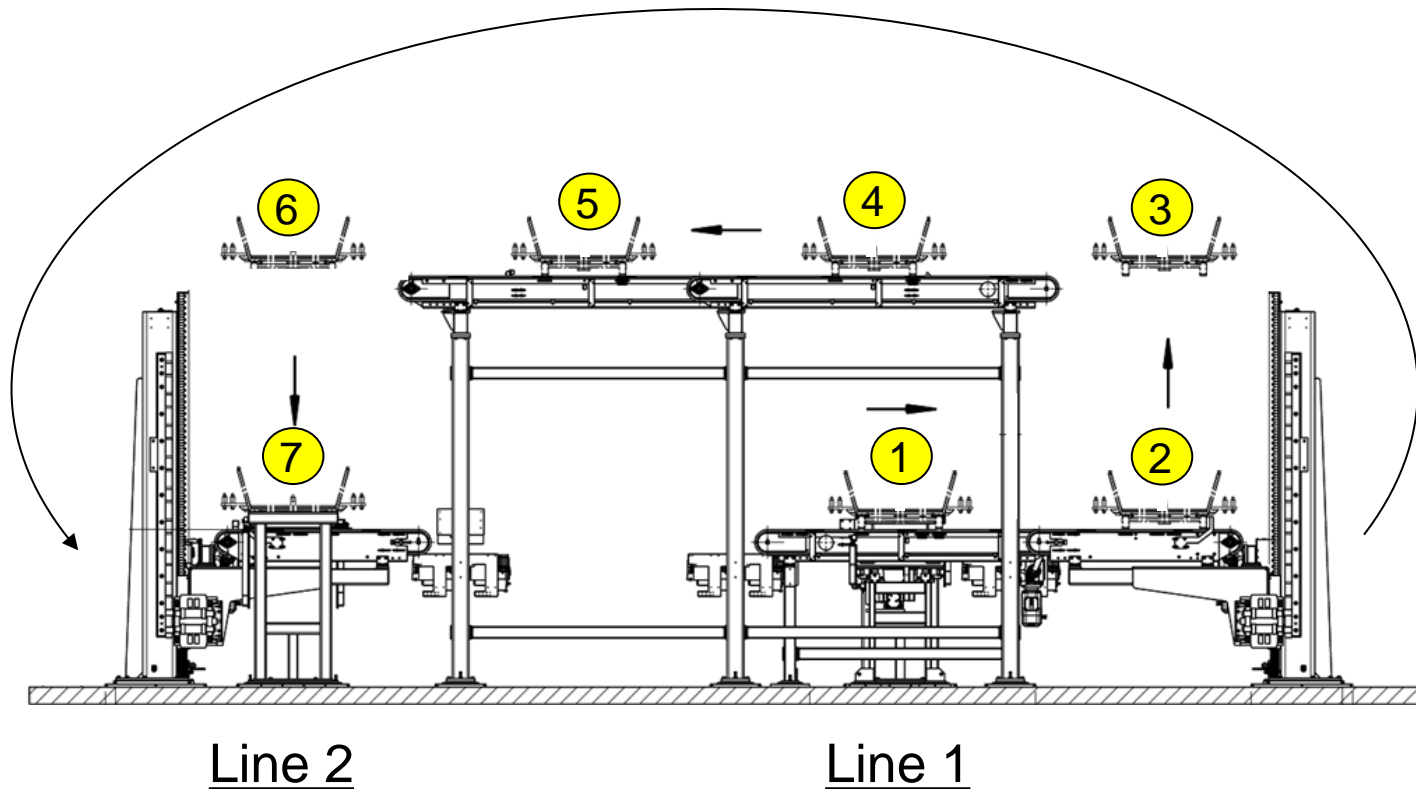
Ex. Standard transverse conveyor – small buffer with high space requirements



Solution Vertical storage system as ring buffer

system

- Conveying of Skids to the second level enabling tailor-made buffer designs.
- Re-conveying to the floor level where the second line is to be positioned



1. End position skid in Line 1
2. Transverse transport on lift
3. Lift of skid to level 2

- 4.-5. Skid on transverse conveyor
6. Lowering skid to level 1
7. Skid transfer to line 2

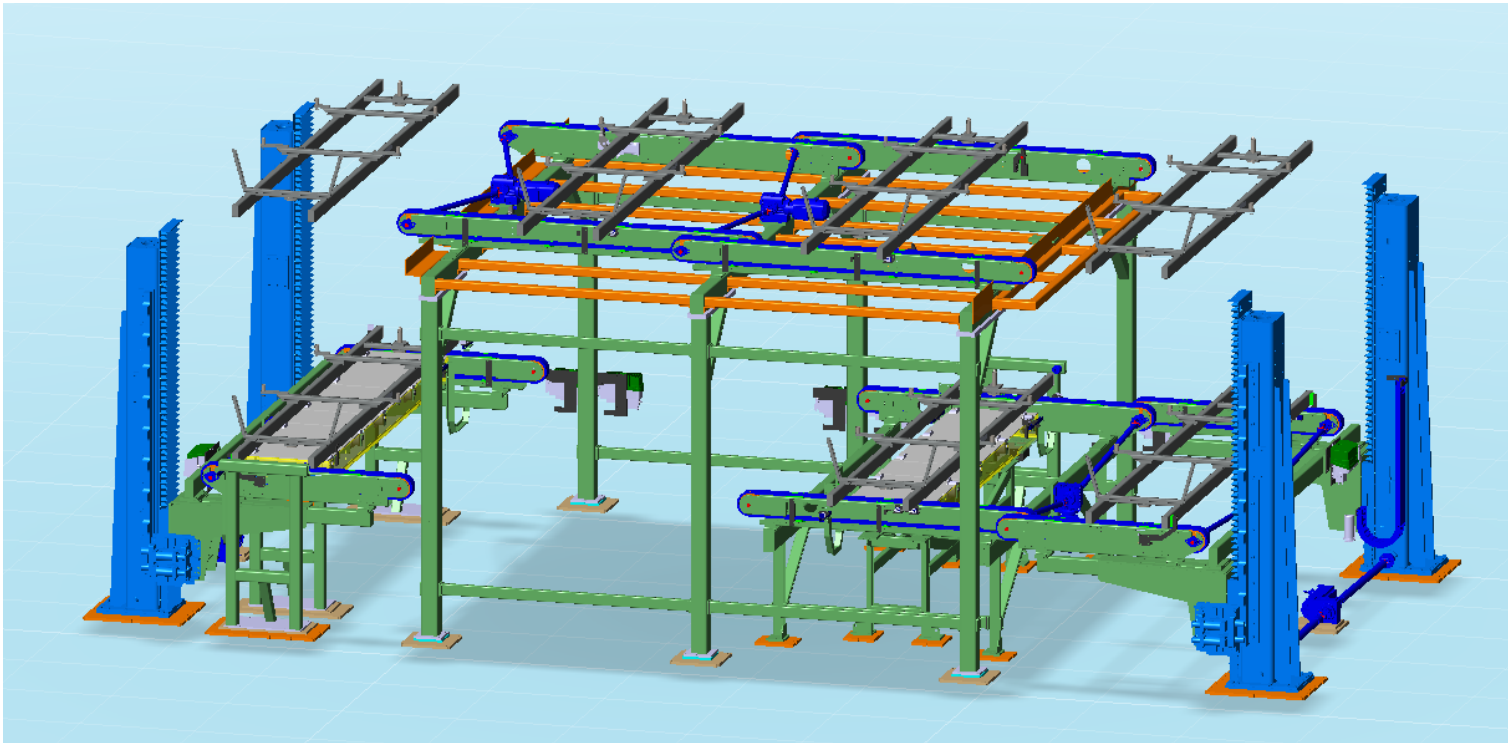


Fig. Ring buffer with 4+2 buffer stations - Concept for automotive project

- Modular design
- Maximum storage capacity with minimum space requirements
- Flexible layout design
- Parts buffer for decoupling production lines

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