

# WHEN AN INSTALLED PJP CONVEYOR SYSTEM WAS NO LONGER THE BEST SOLUTION

## An automotive client's changing needs

In 2024, we designed and supplied a chain-to-chain powered roller system for a vehicle component manufacturer. The conveyor fed onto a PJP pallet lift unit which transported pallets with a very specific dimension upstairs.

This year, the client made the decision to make the system more flexible, in particular, to be able to carry pallets of different shapes and sizes. And also, to give them different destinations.

We were pleased to help.

## Adapting existing custom conveyors into a new bespoke solution

We modified the infeed area to accommodate a ramp to side load the pallets with a pump truck. The infeed originally had an inline ramp so we had to create a pivoting section. This meant that the pump trucks could load pallets horizontally from the side. We then engineered the system so that once the pallet arrives on the conveyor, it pivoted up to match the original angle. Nifty eh?

The new expanded pallet ranges gave us two forms of complexity. Firstly, the composition of the pallet bottoms were all different. Secondly, they now had different places that they needed to get to.

We decided to dispose of the current 90-degree chain transfer which travelled into the lift area. We replaced it with a 90-degree turntable. This meant pallets could now travel either through the turntable to another offload area or be rotated to enter the lift area: the destination being dictated by an overhead scanner unit.



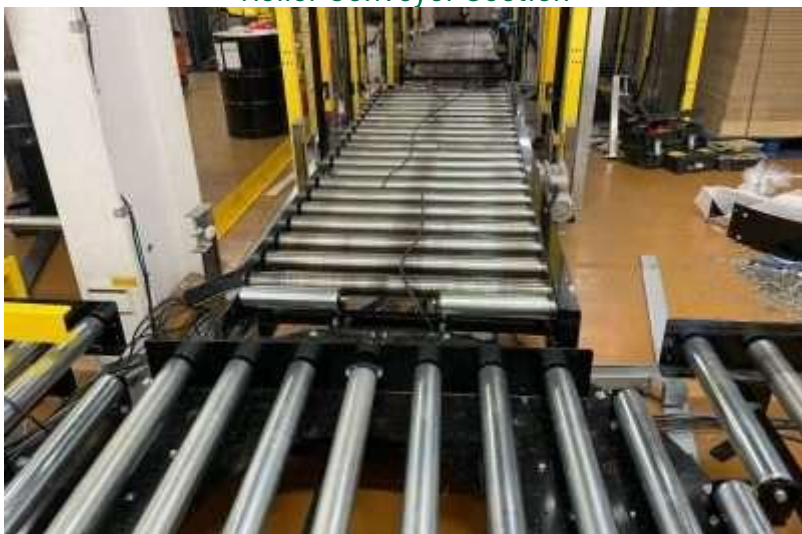
Pallet System Modules



Intersection Point



Roller Conveyor Section



Pallet Lift Approach  
All set for the future

This is a great example of a business's operational need changing and PJP successfully re-engineering their materials handling to use as much of the original system as possible. The client ended up with custom conveyors built into a system that was fully engineered to meet their precise needs.

Building flexible systems is something we're good at.

But don't take our word for it – get in touch to talk through your system requirements and we'll take on the challenge of designing and building you a flexible solution that meets you needs.

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