

FlexLink in the Automotive
and Machined Parts industry



FIRST CHOICE FOR INDUSTRY



FlexLink®

FlexLink - reliable, flexible and proven

OUR ENGINEERING PHILOSOPHY IS CHARACTERISED BY SIMPLICITY – We strive for simple mechanical solutions with a minimum of controls and incorporating multiple functions in each unit. Development of new applications is continuously undertaken by working with our customers and their ever-changing demands. FlexLink has developed a truly global presence to ensure worldwide customer service. Our offer ranges from component deliveries to turnkey installations. We provide engineering support and training according to each customer's needs. You will benefit from our accumulated know-how in each of our proposals. By providing reliable, flexible and proven 'fit and forget' solutions, our aim is to offer you the best return on your investment so that we may become your first choice.

Products successfully handled with FlexLink:

- bearings & hub units
- fuel injectors
- gear wheels
- valves
- pistons
- headlights
- brake cylinders
- spark plugs
- air filters
- camshafts
- crankshafts
- engine heads
- engine blocks
- brake discs
- rollers
- shafts
- universal joints
- valve lifters
- clutches
- compressors
- fuel pumps
- turbo rotors
- castings
- exhaust pipes
- connecting rods
- oil filters
- carburettors
- brake parts



Machine integration

Automatic fuel injector assembly & test line with bespoke pallets and fully integrated conveyors.

Benefits: Space efficient solution, due to low conveyor height and small radius bends, not requiring any additional in-feed, out-feed, transfers or internal conveyors.

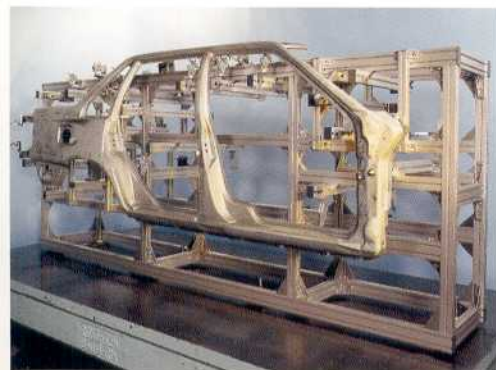


Vertical transport

Vertical transport of gear wheel pallets on cleated chain for a manufacturing line.

Benefits: Creating a continuous flow of pallets offering straightforward and affordable mechanical solution with a minimum of controls needed, and saving valuable floor space.

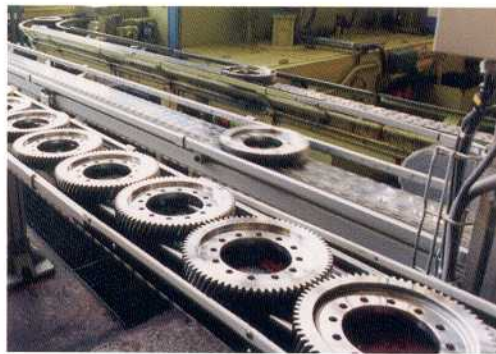




Frameworks and enclosures

Tailor-made measurement fixture for car bodies.

Benefits: Flexible, easy, fast and reusable in-house design of a complete range of lightweight frameworks with enough stability and rigidity to enable accurate measurement of car body panels.



Inline accumulation

Heavy/duty crown wheel accumulated directly onto the chain before a machining cell.

Benefits: Flexible and compact first-in-first-out (FIFO) accumulation to balance workflow in order to create increased machine uptime realised through insertion of standard stop device directly into the t/slot of the conveyor beam.



Horizontal buffer

Multi-lane buffering of gear wheels on bidirectional wide chain.

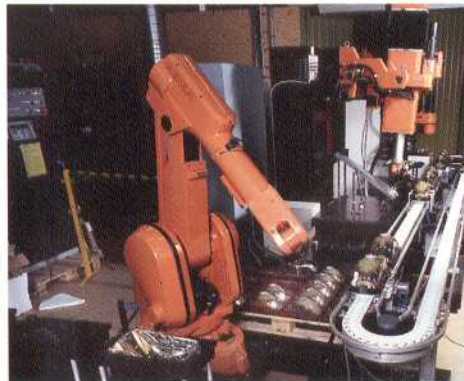
Benefits: High capacity buffering with minimal size adjustment, line pressure and clearance between flow directions with automatic unloading.





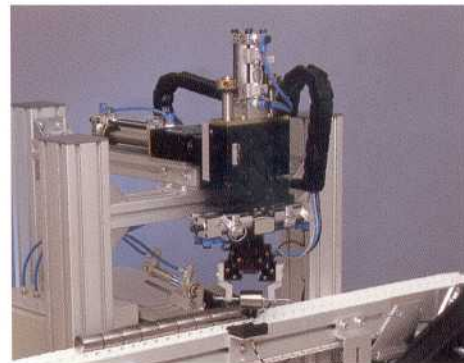
Alpine buffer
Alpine pallet buffering (in-/off-line) and elevation of pistons on pallets.

Benefits: First-in-first-out (FIFO) buffering and elevation between critical production equipment in order to facilitate increased machine uptime within a minimal foot-print.



Robotic in- / out-feed
Pallet in- / out-feed conveyor for automatic headlight assembly.

Benefits: Compact and fast integration of standard FlexLink conveyor and pallet functions creating a flexible, compact and space efficient solution.



Pick & Place units
Pneumatic in-feed pick & place unit for bearing rollers built with FlexLink framework and enclosure components.

Benefits: Fast, precise and repetitive movements of products between defined positions using standar modular building elements creating a cost-efficient and compact solution.



