Designing & Providing Tire Handling Equipment for the Automotive Industry for Over 30 years
Tire Sequencing and Staging

- This receiving area features multiple lanes for sequencing stacked vehicle sets of tire and wheel assemblies in an automotive assembly facility. The dock area includes eight escapements that feed lanes of accumulating CDLR with five wheel “vehicle” stacks of mounted tires.
Omni Conveyor Accumulates and Transports Tire and Wheel Assemblies

- High above the assembly floor, this several hundred foot run of roller flight accumulating conveyor transports road tires and mini spares from a receiving area to the install point on the assembly line.
Receiving Area Feeds and Elevates Tires for Delivery to the Assembly Line

• Omni conveyors can be found in automotive assembly plants throughout North America. This automotive plant receiving area required a series of escapements, CDLR curves and an inclined belt conveyor with tire hold downs.
The Omni Project Team works closely with system integrators and contractors to develop and provide a system that exceeds your material handling expectations. An off site tire mount & balance facility stacks, stages and loads trailers for JIT delivery to a nearby vehicle assembly plant.
Omni Equipment Accumulates and Orients Tire Assemblies for Installation

- Omni excels at creating innovative concepts to support the system design by moving products efficiently and quickly throughout the manufacturing and assembly process. Below, a gravity silo stages tire assemblies and lowers them to floor level where an escapement feeds them to a gravity water fall device which orients the tire to the “in car position” ready to be installed on the vehicle.

To the right a water fall device reorients the tire for installation.
Stacked Tire Assemblies Ready for Trailer Loading

• Through the knowledge, skills and talents of committed team members who bring years of experience in the automotive industry, Omni will provide you an variety of valuable solutions. Zero Pressure CDLR accumulates and stages eight high tire stacks for shipment to the vehicle assembly plant.
Omni means “All”. When it comes to conveying and material handling, Omni is “All” you need to know.