

Innovative Solutions

Cami Automotive Inc. - Tires

Project Overview:

The Line:

Chevrolet Equinox, Pontiac Torrent Tires

The Situation:

Cami required that the main tire be delivered to a new location within the facility.

The Challenges:

Separate the spare tire line from the main tire line.

Installation of equipment without interruption to production.

Provide maximum accumulation of tires between the tire mounting area and the assembly line.

Limited floor space within the facility.

Removal and reuse of existing equipment.

Integration with other suppliers' equipment.

The Solution:

Mainway supplied a system incorporating a ceiling hung catwalk to support chain driven live roller and accumulating belt driven live roller conveyor being fed by continuous vertical conveyors and discharging onto gravity roller tire silos.

The spare tire line received a new continuous vertical conveyor, chain driven live roller conveyor and programming modifications.

The main tire line re-used the existing continuous vertical conveyor and has new chain driven live roller conveyor, belt driven live roller (photo eye) accumulation conveyor and a pop up chain transfer. The use of these various types of conveyors allows Mainway to accumulate gap and sort tires as required to the gravity roller tire silos. The tires are discharged and are presented to the operator in an ergonomic position with a tire tipper.

The Results:

Mainway supplied a turn key system to deliver and accumulate tires between the tire mounting area and the assembly line. The equipment was installed on time and without interruption to production.