

# Car Wash Spotlight - Kwik Wash

Only two weeks before breaking ground, Hi-Performance Wash Systems was asked to bid on the new Kwik Car Wash tunnel at Jordan and Lincoln in Parker, CO. After winning the week long bid process we Kwikly began working with the owner and general contractor to prepare for installation of a state of the art equipment from **MacNeil Wash Systems**. This facility features a 120 foot conveyor with Super Flex Wrap Arounds, two Top Brushes, High Sides and Low Sides washers, and the brand new Sonic Wheel Scrubbers. In addition



it features 12 10-horsepower dryers, giving the capability to produce 90 clean, dry cars per hour. This attended express wash cleans the vehicles and has great eye appeal for the customer.

After washing, the customers are able to use a free central vacuum system provided by **Autovac**.

Increasing utility costs have us more concerned with conservation of energy. A standard central vacuum system would be turned on in the morning and both 25hp motors would operate at 100% during wash hours. The VFD technology allows a single motor to operate at 10-20% when no customers are using the vacuums. As the first 5 vacuum units come into operation the first motor ramps to maintain the vacuum. When vacuum 6 come online the second motor ramps up and will bring both motors to approximately 50% in order to maintain the vacuum. Both motors will continue to ramp up as necessary or down if volume drops off. In summary, on slow days when the Kwik Car Wash is open they will be saving up to 90% of the energy. Busier days will also still save energy as the power to the system is maintained in a controlled fashion.



There is much to do in the industry about Top Brushes currently. We have been very pleasantly surprised at the consistency and gentleness of the wash. The quality of cleaning never was in question but many people are concerned over ski racks and antennas. Aaron Green, who operates both this new site and another Kwik Wash on Bellevue in Littleton was confident that this would be the result. Currently these sites have a combined 4 top brushes that have not caused any damage claims since early Spring of last year.



**VERwater Environmental, LLC** provided the water reclamation system for this site as well as several others in the area. Emerging as the premier water processing system Verwater produces low micron water without the typical reclaim smell. Other advantages to the system include no requirement for ozone, no filters to maintain and minimal space requirements inside the equipment room. This system is designed to produce 6000 gallons of fully reclaimed water per hour and is being used on most of the equipment within the tunnel except

low pressure chemical applications and rinsing. The Verwater system removes oils, detergents, particulates down to 5 microns, waxes and other organics through an aerobic biological process. The system does require reasonable amounts of planning ahead during the construction process and reasonable amounts of attention and service but produces excellent results.

A few extra touches were put into this site in order to capture market share by producing the best vehicle possible. One of these details utilized **Motor City Wash Works** equipment for pre-soaks, chemical tire applicators, triple foam, a Rain-X arch and rinsing arches. The triple foam products utilize digital direct feed pumps that allow the operator to control flow of each product by as little as 1% adjustments of flow to micro control usage.



**Please contact us for more information on this type of outstanding equipment.**