

Nevada Best of 2008

Western Dairies

Industrial



The first of its kind, Western Dairies' new milk processing plant's design was accomplished through extensive use of 3D AutoCAD. Over a period of 16 months, RHP Mechanical Systems inventoried, set and installed all mechanical and processing equipment on site.

More than 1,370 hours went into design and 18,000 hours of labor went in to the construction and welding of all housing, piping and mechanical equipment.

Spanning 86,000 sq ft, the plant has over 6.5 miles of piping designed to process 860,000 gallons of milk per month.

Processing more than one type of milk is possible using 10% less labor due to the innovative design of the plant. Fitting the piping without interfering with other systems, existing pipe, conveyer belts or structural supports was a main construction challenge. The inventive piping and layout coordination design of Western Dairies is being used as a template for other milk processing plants across the country. Lower overhead for the plant is passed on to the supplier, and ultimately the consumer.

Submitted by: RHP Mechanical Systems

Owner: Western Dairies

Architect: Creative Edge

Contractor: Bi-Con Services

Mechanical/Process Contractor: RHP Mechanical Systems