

# AIPC PASTA MANUFACTURING FACILITY



## **Owner**

American Italian Pasta Company

## **Size/Capacity**

295,000 square feet

## **Completion Time**

8 months

## **Younglove's Services**

- Conceptual design
- Structural engineering
- General construction
- Construction management

*This facility was named 2003 Food Plant of the Year by Food Engineering magazine. The extensive renovations, roof raising, use and level of automation, and plant output were key factors in the decision to name this facility as the winner.*



**YOUNGLOVE**

*Builders of value...  
Builders of trust*

## **Tolleson, Arizona**

This project included renovating an existing 215,000-square-foot building into warehouse space and constructing an 80,500-square-foot addition to contain the manufacturing process.

The new addition was constructed of precast concrete walls and roof T's utilizing "self-compacting" concrete. The use of this concrete mix and special dovetailed joints resulted in a manufacturing facility of highly sanitary construction. The manufacturing area includes a four-story semolina flour processing tower measuring 54 feet by 40 feet by 69 feet high. The new plant addition also includes various production support functions and employee welfare areas in two levels of rooms adjacent to the manufacturing area.

In a 10,000-square-foot area of the existing plant, it was necessary to raise the roof 6 feet 4 inches to provide adequate height for the installation of packaging equipment at the front end of the packaging room. The roof was raised utilizing specialized hydraulic jacking equipment and adding steel inserts and stiffeners to the existing steel columns.

Other major renovation work in the existing plant included modifying the fire sprinkler system, filling miscellaneous openings in the precast concrete panels, new floor and wall caulking, painting, replacing overhead doors, and applying a new roof coating.

AIPC went into production at this facility six months after the start of work on the new addition. The total project time was approximately eight months.



*Leaders in the design and construction of bulk materials handling facilities*