

Mango Transportation JUMEX

Application market	Food
Market segment	Fruit & Vegetable
Pumped medium	Carrier fluid (water) with Mango
Pump product	Bearing Frame
Country	Mexico



Challenge

The JUMEX company based in Mexico City is Mexico's largest juice producer. Whole mango fruits, which were fed into the production process with the previously installed two pumps of a competitor showed high damage rates. Hidrostal was contacted with the aim of optimizing this process and received all required information to define an alternative pump solution.

Solution

Hidrostal offered the F-type Screw Centrifugal Pump with closed impeller for gentle handling of delicate goods, first only one of the two existing pumps was replaced. Installed electric motor and belt drive were re-used, only the pulley on the motor end was replaced in order to achieve the required speed of the new pump.

Benefits

The result is consistently positive since the Hidrostal F-type pump has been installed, a high level of customer satisfaction was achieved:

- no more significant damage to the mangos
- gentle handling of mango in fruit juice production process without losses in quality
- one year later, the competitor's earlier installed second pump was replaced with the Hidrostal F-type.

Quantity of units sold	2
Pump type	I08F-M01 with Bearing frame and belt drive
Motor data	Not available
Material combination	Cast iron pump body and wear parts with nodular iron impeller
Duty point	Flow : 130 litres per second / Head : 16 meters
In operation since	2005