

## Food Processing – Peas

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



### Challenge

For the transport of pea vegetables as part of the washing process, the customer was looking for a gentle transportation method. In particular, high demands were placed on the applied guidelines in food production processes.

### Solution

The Hidrostal F-type Screw Centrifugal Pump was selected due to its proven ability to handle and transfer delicate product with zero damage. This is due to its low velocity and low shear design hydraulics whilst retaining optimum efficiency. The Screw Centrifugal Pump is much more efficient than for example a vortex pump resulting in less energy requirement, smaller motor and smaller switch gear.

### Benefits

The challenge was solved to the complete satisfaction of the customer.

- Gentle handling of the peas without damage and without loss in quality
- The high demands placed on the challenging processes in food production were fully met

Quantity of units sold	14 (different types/sizes)
Pump type	D03F-M01 / E04F-M01 / F05F-M01 with Bearing Frame
Motor data	Not available
Material combination	Cast iron pump body with nodular iron impeller
Duty point	Not available
In operation since	up to 1999