MOERDIJK NEDERLAND

CASE STUDY: FRUIT GROWING

PMB line
Plug and Play Industrial Pumps

TITLE
WESTENDE FRUITTEELT - PERENTEELT

LOCATON
MOERDIJK THE NETHERLANDS

SECTOR
AGRICULTURAL

THE BENEFITS

Van 't Westende fruit praises the quality of the Gorman-Rupp super-T series and has chosen this pump for the following features:

- The pump can be mounted on the surface (high and dry).
- Very robust and much stronger than a submersible pump.
- The pump is easy to maintain, everything is easily accessible.
- Very low maintenance costs (only one impeller in seven years).
- The pump can pump slurries and large solids.
- Pumps and spare parts are readily available through Gorman-Rupp Europe.

PROJECT INFORMATION

Van 't Westende fruit is among the largest pear growers in Western Europe. The current owner worked for many years as a technical manager at a recycling company. During that period, he came into contact with Gorman-Rupp pumps. When he needed to purchase a grader for the fruit-growing company, his choice was clear: if a circulation pump was needed, it had to be a Gorman-Rupp Super-T series pump! No argument.

After seven years of intensive use, the pump's impeller had to be replaced. This was necessary because the pump was pumping around the same water six days a week, into which more and more contamination was introduced by the rejected pears. Think about sand, peels, pear pulp and fruit sugars.

The owner tells us : "A Gorman-Rupp pump requires quite an investment, but when you set that off against seven years without any kind of maintenance costs, the pump ultimately proves to be relatively cheap and very reliable within the production process."

THE APPLICATION

Outside, there is a receiving well filled with water. The Gorman-Rupp Super T6 pump extracts this water from the well and pumps it through a pipe that first runs underground to the production area. In the production area, the pears are selected using a scan. The selection is based on dimensions and any imperfections. These imperfections have two degrees: small rejects (small dark spots) are automatically unloaded into a crate, from which pear juice can still be made. If the imperfections are larger (large brown spots or even pieces missing), they are unloaded on another conveyor belt.

On each packing line, there is a conveyor belt for rejected pears. These pears automatically fall into a chute (open pipe) through which the pressurized water from the T6 pump flows. This water transports the rejected pears back to the receiving pit, where the T6 pump is set up. The water containing the pears enters the well on the other side of the suction line. There, a continuously slow-moving conveyor belt is ready to transport the rejected pears to a tractor-trailer, which takes them for further processing into pig feed, amongst other things.

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Meer informatie

See: www.grpumps.nl