

# FIRST CLASS EQUIPMENT

---

## CONVEYED PRODUCT

- Fat and lard
- 

## KEY SPECIFICATIONS

- Automatic mode
  - Hygienic conveying in an enclosed system
- 

## COST SAVINGS

### MINIMAL MANUAL HANDLING

### CONTINUOUS AND RELIABLE OPERATION

---

## PUMP TYPE

BTCS range with heated double jacket

## BACKGROUND

A large bakery in southern Germany quickly recognized the growing popularity of pre-baked frozen products. Since its establishment in the early 90s, the company developed into one of the leading manufacturers of pre-baked products such as croissants, Danish pastries and pizzas. The extremely modern production plant has a total area of around 16,700 m<sup>2</sup>, with the frozen food storage area alone providing room for up to 2,500 stacking pallets.

## TASK

The bakery knows it is not only necessary to use high quality ingredients for excellent product quality, but also first class processing equipment. An around-the-clock production depends on a high degree of functionality, reliability and automation. These were the principal criteria, in addition to hygienic conditions, when the bakery started planning a new production plant for donuts. Working together with a leading manufacturer of bakery equipment they sought a solution on how to fill the cooking kettle cleanly, reliably and fully automatically with the blocks of fat/lard.

## SOLUTION

Based on SEEPEX's extensive experience in the food industry and in particular with offering customized solutions, our experts advised the installation of a special version of the BTCS hygienic open hopper pump. The pump casing parts and stator are fitted with a heated double jacket to melt the large blocks of fat/lard prior to onward processing. To optimize the filling of the pumping elements, a specially designed auger feed screw is incorporated within the pump's open hopper. The fat/lard is added to the cooking kettle hygienically through a totally enclosed heated pipework system resulting in up to 12,000 donuts being reliably produced every hour.

Since being commissioned the SEEPEX pump has been running continuously without problems and with manual handling of blocks limited to de-packing.

## BENEFITS

- Reliable operation

