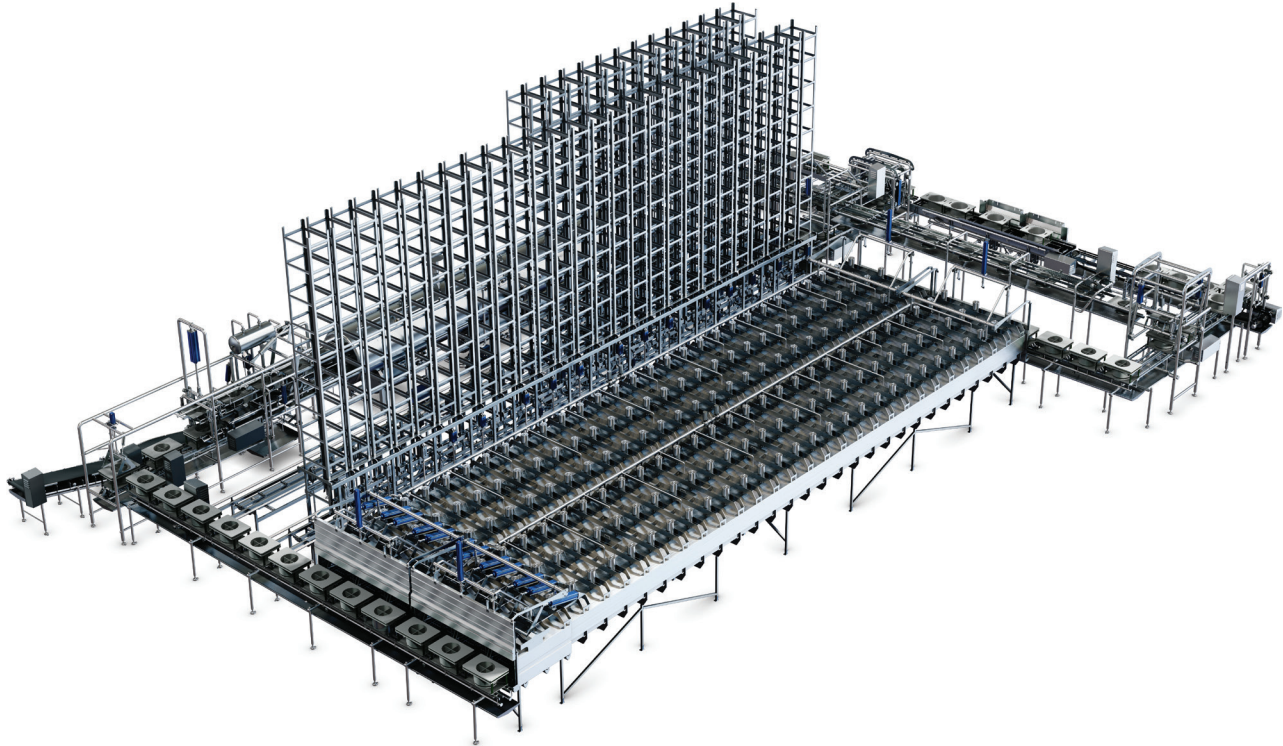




# Tetra Pak® Mould Handling system

## Pressing system



### Highlights

- Hygienic design
- Fully automated and controlled production process
- Flexibility to press cheeses of different shapes and sizes on the same equipment

### Application

The Tetra Pak® Mould Handling system is an advanced solution used for pressing and forming of semi-hard and hard cheeses in closed presses with complete mould and lid handling.

### Working principle

The curd blocks leaving the draining forming equipment are placed in a mould. Once the mould is covered with a lid the moulds are conveyed to the final pressing section. Pressing is conducted in closed type presses.

When a press is loaded the pressing process starts. Each mould is pressed by a pneumatic cylinder with gradually increasing pressing force to remove remaining whey and to form a proper rind around the cheese. After final pressing the cheese is demoulded in the demoulding area and will be conveyed to the brining area. The moulds and lids are cleaned in the rinsing machine.

The cleaning process begins with pre-rinsing, using water from the final rinsing section which reduced the water consumption. In the main cleaning section, the parts are cleaned thoroughly maintaining a stable temperature and concentration of the cleaning agents. In the post rinsing section, the parts are rinsed with fresh water, to ensure that all the detergent is removed. At the end of a production run the pressing system can be cleaned automatically.

The layout of the whey tray system is designed according to customer requirements. The system can be designed to handle more than one shape of cheese.

## Scope of supply

- Set of moulds, lids and handling conveyors
- Final presses
- Demoulding unit
- Moulds and lids rinsing tunnel

## Options

- Automatic moulds and lids storage system
- CIP cleanable demoulding unit

## Control system

The Tetra Pak® Mould Handling system is controlled by a Siemens or Allen Bradley control system. The motor control cabinets are normally situated in the dry MCC room.

The moulds and lids handling is prepared to communicate with Tetra Plant Master or other supervisory systems.

## Capacity

- < 100 tonnes / day till 1.200 tonnes/day

## Utilities needs

The Tetra Pak Moulds Handling system is highly customised and designed according to customer specific requirements such as capacity, building, line set up etcetera hence no generic consumption figures can be stated.

## Dimensions

Width: 16000 mm
Length: 23000 mm