



# Crusher

Gemina<sup>®</sup>

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# Crusher

## APPLICATIONS

- Defrost of stored products such as juices of pineapple, orange, fruits, vegetables, red fruits, creams, etc.

## HOW IT WORKS

The drum is placed over the lifting platform, which dumps the drum frozen content over an unloading ramp.



The unloading ramp feeds a tank which contains an agitator/crusher which breaks the product into pieces.

This tank has a double bottom with steam, so that the product is heated to ease the thawing process.



As the product turns into a liquid, a positive displacement lobe rotor pump with a feed screw sends the product to the heater, which completes the thawing of the product.





After circulating through the heat exchangers of the heater, the product is then ready for the next stage of the process.



#### ADVANTAGES

- Fast defrost of raw materials, with no waiting.
- Minimum handling.
- Speeds up to 40 drums per hour (depending on the product and the temperature at which it is frozen.)

#### CONFIGURATION OPTIONS

- Possibility to choose between pneumatic or hydraulic platform. The hydraulic platform provides more accurate and smooth movements.
- Set of rollers to drain the bags containing the product, so that there will be no remainders left in the bags which may be difficult to take out manually, thus using all the contents in the bags.
- Automation of input and output of drums.
- Custom-designed heater according to type of product.

# MachinePoint®

## Food Technologies

**MACHINEPOINT FOOD TECHNOLOGIES** was created as a result of a joint-venture between **MACHINEPOINT GROUP** and **GÉMINA**.

**MACHINEPOINT FOOD TECHNOLOGIES** designs, manufactures and integrates lines, equipment and processes for the food industry, more specifically for the beverage processors, the dairy industry and processors of fruits and vegetables.

**MACHINEPOINT FOOD TECHNOLOGIES** belongs to an international group specialized in industrial equipment for plastic, packaging and food industries.

The group is headquartered in Spain (Valladolid) and has sales offices in Turkey, Mexico, France, India and North Africa. The engineering center is also located in Spain (Murcia). It is at the engineering center where we manufacture our equipment and have our R & D + I department.

**GEMINA PROCESOS ALIMENTARIOS S.L.** is a leading equipment manufacturer that provides innovative solutions for the food industry. It has over 25 years experience in designing, manufacturing, assembling, automating and implementing lines and processes.

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