



Fruit processing



Fruit juices



Food & Beverage





### GRINDING



BRO/2000

Crushed apples



The grinding is designed to prepare fruit for pressing. The fruits are introduced after washing in the cutting mill without pretreatment.







## PRESSING



Packing press  
PAP/2000

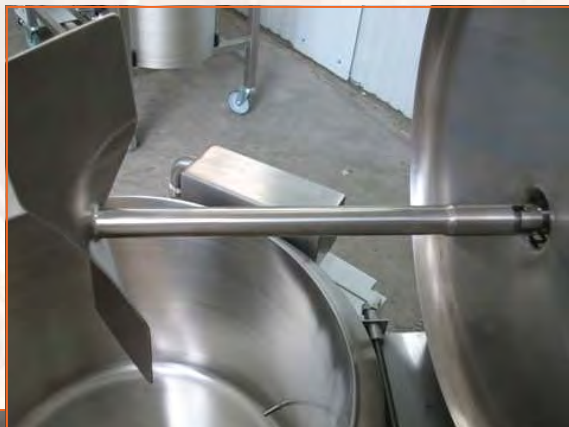
Pressing allows to extract juice from fruits and separate the residue (skins, stems, fibers). The pressing can be done on different types of equipment: packing presses or hydraulic presses.



Hydraulic press  
PHY/2000



### ENZYMING



CVT/1000

The addition of enzymes helps to clarify the juice to prevent deposits and turbidity. The enzyming takes place at 45-50 °C with pectinolytic enzymes in a thermostated tank.



Removal of pectines : enzyming and settling



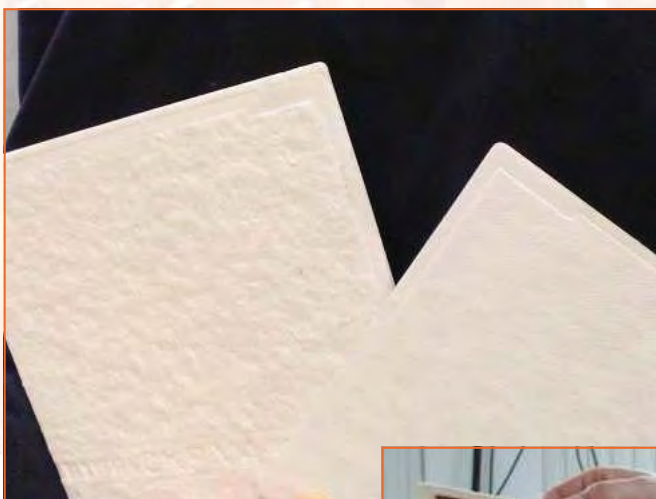


## FILTRATION

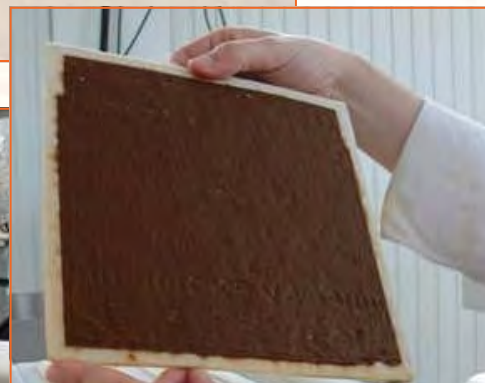
Filtration is performed on filter plates with cardboard filters of suitable porosity for the desired type of filtration : coarse, fine, sterile ...



FIA/2000



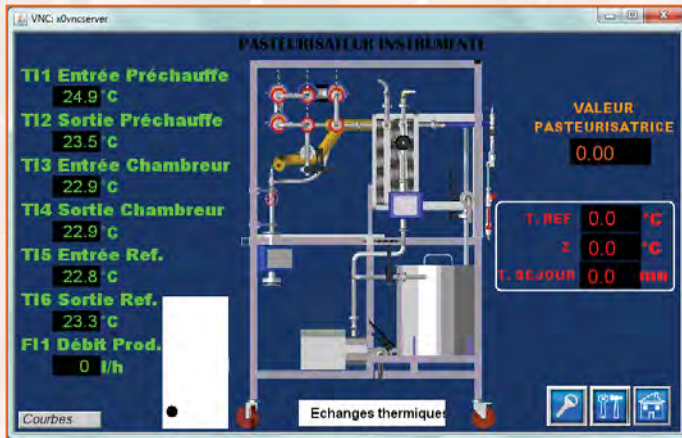
Insolubles filtration



Filtration residues



## PASTEURIZATION

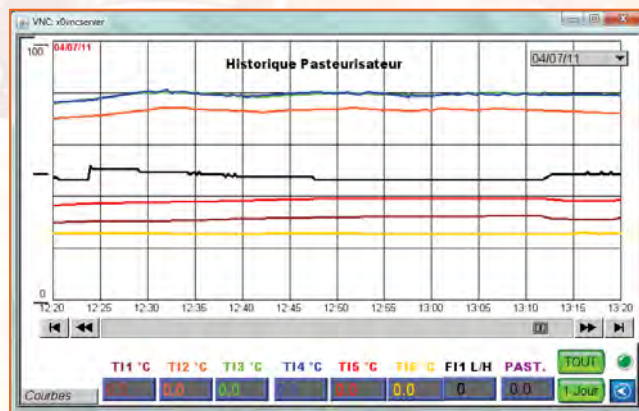


Pasteurization monitoring :  
temperatures,  
holding time,  
pasteurization value

$$VP = t \times 10^{\frac{\theta - \theta_{ref}}{z}}$$



UPA/2000



Pasteurization (heat treatment) followed by hot bottling and capping in clean bottles, allows the preservation of fruit juices for a few weeks in positive cold (0-4 ° C). Manual or semi-automatic equipments can make small productions.

## BOTTLING







## CAPPING



PilferProof caps



4 spouts filler



Crown caps



## YOUR PROJECT

### LJF/2000

Unit operations	Range	Prices (from)
Grinding, Refining, Stoning	BRD, DRP	
Pressing	PAP, PHY	
Enzyming	CVT	
Filtration	FIA	
Pasteurization	UPA	
Bottling	UEM	
Capping	CCO, CPP	



## CONTACT

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