



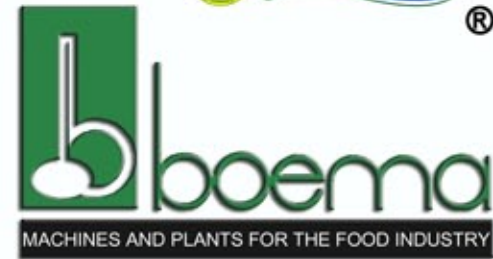
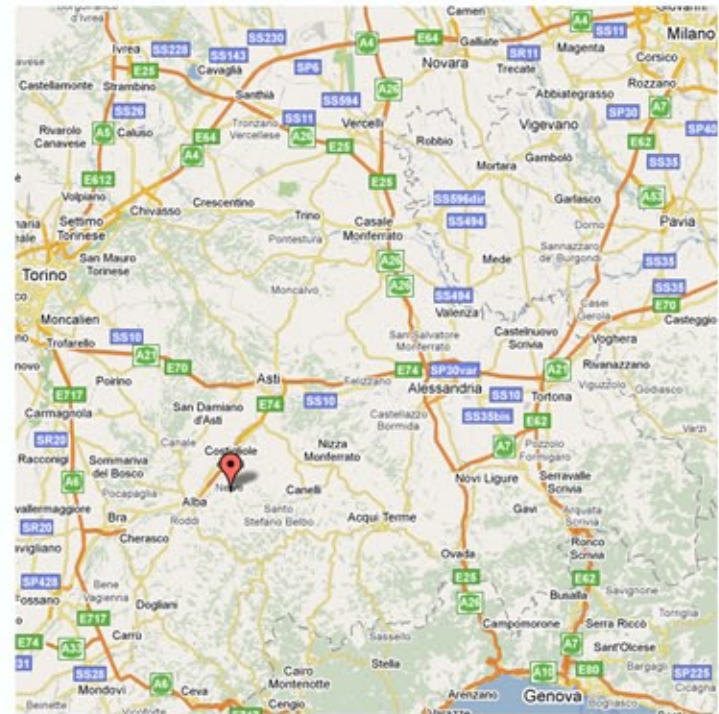
Boema S.p.A. factory

Steam pressure peeling plant Mod. "SPB-A81"

Vegetable



Some of our references



MOD. SPB 55

Model with Brush peeling machine MOD. A81/8



vegetable



STEAM PRESSURE PEELING PLANT



Detail of the peeling pressure container in the loading position



Operating cycle



MAIN FEATURES

Steam pressure container, PED approved in compliance with European Directive 97/23 CE operating at 15 Ate with saturated steam.

Inner revolving container made of perforated stainless steel plate for product input.

Automatic product weighing device with possibility to weigh by loading cells.

Spent steam, condensate and peel collection tank.

Supporting frame with ladder and catwalk made in stainless steel.

Electric panel IP 55 with PLC to program the automatic operating cycle.

Steam peelers have almost entirely replaced chemical peeling system, which caused pollution, generated high running costs and unsatisfactory quality of the peeled product.

BOEMA has improved steam peeling technology considerably by the new SPB series.

By means of the double tank and by creating vacuum before closing the pressure steam tank exceptional advantages have been obtained:

- reduced exposure to high temperatures with minimal surface burning;
- delicate treatment of the product obtained by the rotation of the container along its main axle;
- continual separation of the condensate, with better use of steam;
- less pollution of the product caused by parasiticides in the peel because condensation and peel fragments are continually drained away from the peeled product;
- better exposure of the product to steam as steam comes from the inside and from the outside of the wall at the same time;
- extremely low unloading times.

This machine can also be used for steam-cooking a wide range of products.

Boema steam peelers are used with success for peeling fesh potatoes and carrots for "IV gamma" products.

A minimum blanching of their surface contributes to extend the shelf life up to 12 days against the 7/8 days foreseen using a mechanical peeling.

The average yield is higher of the 25% compared to a product peeled with abrasive peelers.

Model	SPB25	SPB45	SPB55	SPB65	SPB75
Production up to (ton/h)	3	6	9	16	22
Inner volume of the pressurized container (lt)	350	550	730	1270	1650
Inner basket volume (lt)	280	400	540	940	1230
Inlet diameter (mm)	380	380	380	380	380
Steam consumption (kg steam/1 kg product)	0,1÷0,2	0,1÷0,2	0,1÷0,2	0,1÷0,2	0,1÷0,2
Installed electrical power (kW)	4,5	4,5	4,5	6,7	7,5



Brushing machine Mod. A81 complete with filtration unit and peels' evacuation pump



Detail of rollers covered by brushes and installed on the brushing machine Mod. A81