



SOY MILK EXTRACTION PLANTS

SOY MILK EXTRACTION PLANTS—TECHNOLOGY

TEC Square engineers have extensive experience in soy bean extraction and soy milk plants. Our technology provides solutions to get more out of the raw material.

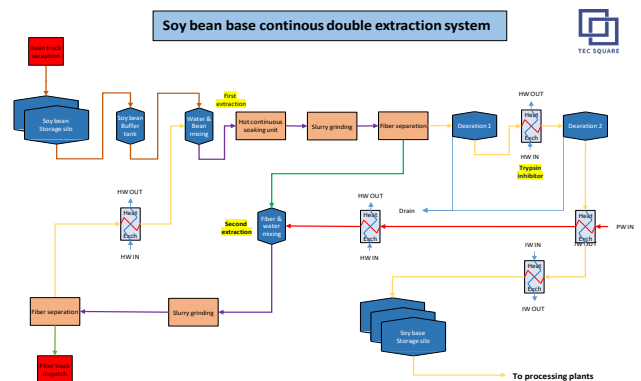
Typical products from soy:

- ◆ Tofu (soy bean curd).
- ◆ Plain or flavored soy milk.
- ◆ Soy yogurt.
- ◆ Soy drinking yogurt.
- ◆ Sweet Condensed Creamer (SMP & other Dairy solids substitute).
- ◆ Soy milk powders.
- ◆ Mixed cow & soy milk products .
- ◆ Soy Ice Cream.

This technology is in general applicable to all kinds of milks from vegetable sources.

SOY MILK PLANTS — KEY POINTS

A TEC Square soy bean milk plant has a high-yield extraction unit (>70% protein yield) combined with a neutral-taste polisher operation.



Schematic for a typical Soy Milk Extraction Plant

SPECIFICATIONS AND ADVANTAGES

	TEC Square Dairy Waste Water System	Advantages
Operation	Continuous operation for more than 48 hours is possible.	<ul style="list-style-type: none"> ◆ Low operation cost. ◆ Low solids losses.
Aroma / Taste	Our technology provides solutions to remove the unwanted taste profile. This so called "Beany Taste" can be removed partially or in most cases almost totally.	<ul style="list-style-type: none"> ◆ Higher customer appreciation of the product. ◆ Wider customer segment.
Yield	Our extraction plant delivers high yield solutions.	<ul style="list-style-type: none"> ◆ High yield gives a better return on investment.
Versatility	Other plants can be extracted on the same installation. We are able to process other vegetable varieties, e.g. <ul style="list-style-type: none"> ◆ Oat ◆ Barley ◆ Rice ◆ Nuts ◆ Flax 	<ul style="list-style-type: none"> ◆ Having 1 plant for several Vegan milk varieties gives a higher investment efficiency.
Automation	The plant can be fully automatic.	<ul style="list-style-type: none"> ◆ Low cost options are available as well.
CIP	CIP can be fully integrated. Automatic solutions are possible as well.	<ul style="list-style-type: none"> ◆ Time saving.

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