

Processing of Milk and Milk Products

Description:

Processing of Milk and Milk Products. Production of Paneer, Butter and Ghee. Investment Opportunities in Dairy Sector

Milk is a valuable nutritious food that has a short shelf-life and requires careful handling. Milk is highly perishable because it is an excellent medium for the growth of microorganisms – particularly bacterial pathogens – that can cause spoilage and diseases in consumers. Milk processing allows the preservation of milk for days, weeks or months and helps to reduce food-borne illness.

The usable life of milk can be extended for several days through techniques such as cooling (which is the factor most likely to influence the quality of raw milk) or fermentation. Pasteurization is a heat treatment process that extends the usable life of milk and reduces the numbers of possible pathogenic microorganisms to levels at which they do not represent a significant health hazard. Milk can be processed further to convert it into high-value, concentrated and easily transportable dairy products with long shelf-lives, such as butter, cheese and ghee.

The milk processing section in processing plants contains all operations of milk like collecting milk from farmers, storing milk in tanks then separating, pasteurizing and homogenizing for making good quality milk products.

The processing market in India is expected to grow at a CAGR of 20.5% over FY 2015 to FY 2020. The milk processing industry has traditionally been integral to India's rural economy, and there are various factors contributing towards its growth. Recently, a number of established FMCG players ventured into the dairy segments through new product launches. Milk Processing Industry in India 2017, several established milk processing companies are looking to further expand their business and are looking to raise funds through IPOs. This will further aid in the development of the country's milk processing industry. Increasing urbanization in the country is bringing more consumers in touch with various processed milk products. This, along with the rising income of Indians, has ensured that the market continues to experience strong growth.

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Keywords: Milk Processing, Milk and Milk Products, Milk Processing & Dairy Products, Milk Processing Plant, Production Process of Dairy Products, Liquid Milk Processing Plant, Dairy Industry, Milk Processing PPT, Milk Processing Procedure, How to Start a Milk Processing Plant? Milk Processing Plant Project Report, Milk Processing Plant Pdf, Setting up Mini Milk Processing Plant, Milk Plant Project Report, How to Set up a Milk Processing Plant, How to Start a Dairy Milk Plant. Dairy Products in India, Milk

Created At: 04 Jul, 2018