



A Device For Making Tablets From Herbal Powders

TECHNOLOGY DESCRIPTION

This technology is a device for optimizing of tableting fruit powder ingredients while maintaining the nutrient value.

TECHNOLOGY FEATURES

The natural fruit juice powder tablets are ready to drink. This technology helps fruit juice in tablet form to have less exposed area for contamination to take place. This technology does not require unit operation or thermal treatment. It utilizes edible whole part of fruits which makes it suitable as health based products and environmental friendly. The carbohydrate content in this technology is about 70 times more in whole fruit powder. It has more portable and superior stability compared to current technology. The tablets require less than two minutes to dissolve in water.

ADVANTAGES

- Suitable for all types of consumer
- Able to combine multiple active ingredients
- Simple handling & measured into exact doses

INDUSTRY OVERVIEW

Prospect Industry: Nutraceutical products market

The present invention is a fast dispersible fruit powder tablet which has potential in the consumer market as well as the business market. The product is considered part of a Nutraceutical product which can play a vital role in curbing diseases, mostly related to nutritional deficiencies. Potential buyers for this product include manufacturers of dietary supplements and functional beverages, health conscious customers (such as instant fruit juice drinkers and individuals who take vitamin supplements). The potential for this market is increasing particularly in Asia-Pacific due to the challenging lifestyle of the people who are looking for a modern and quick approach to fight or prevent diseases. Major players in this industry are Cadilla Healthcare, Pfizer, Nature's Answer, USA, Celestial Biolabs LtdMagnum, Numico, APS, Omvita. The global nutraceuticals market was an estimated \$187 billion in 2015. With a clear demand for halal-certified nutraceutical products, several mainstream players, such as Abbot Nutrition and Nestlé, have obtained halal certification for their products. In addition, new players that focused on Muslim market such as Noor Vitamins and HalalVital are also entering the market. The global nutraceutical market is expected to expand from US\$142.1 billion in 2010 to US\$204.8 billion by 2017, growing at CAGR (Compound Annual Growth Rate) of 6.3 per cent.



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